February 25, 2025

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VCP-CA Section, Remediation Division
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SECOND SEMI-ANNUAL 2024 SITE-WIDE GROUNDWATER MONITORING REPORT
HOUSTON WOOD PRESERVING WORKS
HAZARDOUS WASTE PERMIT/COMPLIANCE PLAN NO 50343
SWR 31547

Dear Mr. Wick,

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad (UPRR), prepared the attached Second Semi-Annual 2024 Site-Wide Groundwater Monitoring Report detailing the site-wide groundwater sampling activities conducted in July - September 2024 at the UPRR Houston Wood Preserving Works Facility (the Site) located at 4910 Liberty Road, Houston, Texas. In general, groundwater concentrations in samples collected during this sampling event are consistent with previous sampling events. The results of a plume stability analysis conducted in 2024 demonstrates the groundwater plume is not migrating.

To aid review of the report, we have provided a summary below:

- Groundwater monitoring activities were conducted at the Site and adjacent off-Site areas in July - September 2024. Groundwater samples were analyzed for site-specific chemicals of concern (COCs) consisting of site-specific volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and arsenic.
- Groundwater flow direction and gradients for the A-Transmissive Zone (A-TZ), B-Cohesive Zone/B-Transmissive Zone (B-CZ/B-TZ), C-Transmissive Zone (C-TZ), and D-Transmissive Zone (D-TZ) groundwater-bearing units (GWBU) in July - September 2024 were generally similar to previous sampling events.
- The Texas Risk Reduction Program (TRRP) protective concentration level exceedance (PCLE) zones for site-specific COCs related to creosote in each GWBU are summarized below:
    - A-TZ:
        - The cumulative PCLE Zone in the A-TZ GWBU is within the Site boundary except to the north (along Liberty Road) where it extends onto the City of Houston ROW.

        - Site-specific COC concentrations detected in samples from the off-site A-TZ GWBU wells during the 2nd Semi-Annual 2024 sampling event were below the conservative EPA VISL-calculated screening levels. The A-TZ groundwater data indicates the off-site VI pathway from groundwater is incomplete.
    - B-CZ/B-TZ:
        - The cumulative PCLE Zone based on land use (i.e., C/I for on-Site wells and Residential for off-Site wells) in the B-CZ/B-TZ GWBU (i.e., Class 3 and 2 groundwater, respectively) for the 2nd Semi-Annual 2024 event encompasses the northern portion of the Site, and extends off-site to the north of the Site (referred to as the "Main" PCLE Zone). The PCLE Zone for the smaller area on the west side of the Site is within the Site property boundary (referred to as the "West" PCLE Zone).
    - C-TZ:
        - The cumulative PCLE Zone in the C-TZ is in the northeast portion of the Site and off-site to the northeast onto the City of Houston ROW.
    - D-TZ:
        - No site-specific VOCs or SVOCs were detected at concentrations above cPCLs in samples collected from D-TZ wells during the 1st Semi-Annual 2024 sampling event.

- Arsenic was detected above cPCL (0.01 mg/L) in 27 of the 118 groundwater samples analyzed for arsenic from the 2nd Semi-Annual 2024 sampling event (15 samples in the A-TZ, 11 samples in the B-TZ, and 1 sample in the C-TZ). As detailed in the First Semi-Annual 2022 Site-Wide Groundwater Monitoring Report (Golder, 2022), elevated arsenic concentrations are likely a secondary result of changing geochemical conditions along the edge(s) of a hydrocarbon plume for a majority of the wells as supported by:
    - The on-site presence of creosote-related COCs in the A-TZ,
    - Observed reducing conditions within the A-TZ on- and off-site, and
    - Positive relationship observed between arsenic and iron concentrations.

  Arsenic concentrations in samples collected from MW-91A represent background concentrations in this area of the Site and do not require further delineation as supported by:
    - The distance between the edge of the creosote-related COC PCLE zone in the A-TZ and MW-91A, and
    - Arsenic concentrations in samples collected from wells in between monitoring well MW-91A and the on-site hydrocarbon plume, such as off-site monitoring wells MW-84A, MW-28A, and MW-36A, where groundwater data are consistently below the cPCL for arsenic.

- Trend Analysis: Trend analyses of the primary COC concentrations in groundwater samples from monitoring wells in each GWBU was conducted:
    - Of the 119 wells evaluated, groundwater data from 98 wells show a "decreasing," "probably decreasing," "stable" trend, or "no trend," indicating that primary COC concentrations at a majority of wells are not increasing.
    - Groundwater data from 18 monitoring wells showed a "probably increasing" or "increasing" trend; however, the concentrations in those wells were either low-level detections near the sample detection limit (SDL) or J-flagged results below their respective residential assessment levels (RALs).

  - Groundwater samples from 5 wells showed a “probably increasing” or “increasing” trend in primary COC concentrations where concentrations were not considered low-level detections (near the SDL) or J-flagged (as estimated). Of these 5 wells, two (MW-49B and MW-45C) are DNAPL recovery wells where DNAPL has been detected in the wells.

- Groundwater Plume Analysis: WSP performed a plume analytics evaluation (a Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis (US Pat. No. 10,400,583)) using groundwater elevation data collected from 1984 to 2024 for the A-TZ, B-CZ/B-TZ, and C-TZ groundwater bearing units. The plume analysis is summarized below:
  - *A-TZ:* All plume trends in the A-TZ were identified as decreasing or not statistically significant (“No Trend”) for the primary COCs.
  - *B-CZ/B-TZ:* All plume trends in the B-CZ/B-TZ were identified as stable or decreasing.
  - *C-TZ:* Average benzene concentration trend was identified as statistically increasing for benzene in the C-TZ; all other trends for the primary COCs in the C-TZ were either decreasing or not statistically significant. The increasing benzene trend in concentration within the C-TZ zone is due to the decreasing area of the plume.

Property owners where the groundwater PCLE Zone extends off-site onto property not owned by UPRR will be notified of the availability of information related to the groundwater monitoring at the Site as required under 30 Texas Administrative Code §350.55(b).

If you have any questions or comments, please feel free to contact Mr. Kevin Peterburs of UPRR at 414-267-4164.

Sincerely,

WSP USA INC.



Matthew K. Wickham, P.G.
Vice-President / Team Lead

CC: Kevin Peterburs, UPRR

Attachments: 2nd Semi-Annual 2024 Site-Wide Groundwater Monitoring Report

SECOND SEMI-ANNUAL 2024 SITE WIDE GROUNDWATER MONITORING REPORT

HOUSTON WOOD PRESERVING WORKS FACILITY

February 25, 2025

Submitted to:

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Union Pacific Railroad Company
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Submitted by:

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Attachment B – Data Usability Summaries and Analytical Reports – 2nd Semi-Annual 2024 Sampling Event

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Attachment D – Groundwater Plume Analytics Technical Memo

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1 INTRODUCTION

This Groundwater Monitoring Report (GMR) was prepared by WSP USA Inc. (WSP) on behalf of Union Pacific Railroad (UPRR) to summarize the 2nd semi-annual 2024 site-wide groundwater sampling activities conducted in July and September 2024 at the UPRR Houston Wood Preserving Works (HWPW) Facility (the Site) (Figure 1) located at 4910 Liberty Road, Houston, Texas.

Details of the groundwater monitoring activities, groundwater elevation data, and analytical results are provided in the following sections. In addition, information regarding off-site property notifications in accordance with the Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Rule 350.55(a) is provided.

2 GROUNDWATER MONITORING ACTIVITIES

WSP, on behalf of UPRR, conducted the 2nd semi-annual 2024 groundwater monitoring activities at the Site between July 22 and September 6, 2024. The semi-annual sampling event included 118 groundwater monitoring wells plus 10 additional monitoring wells associated with Closed Surface Impoundment Unit No. 001 (Solid Waste Management Unit (SWMU) 1). The wells were located on-site and off-site and screened within the following groundwater-bearing units (GWBUs) (Figure 1):

- Forty-nine (49) A-Transmissive Zone (A-TZ) monitoring wells;
- Forty-seven (47) B-Transmissive Zone/B-Cohesive Zone (B-TZ/B-CZ) monitoring wells;
- Twenty-eight (28) C-Transmissive Zone (C-TZ) monitoring wells; and
- Four (4) D-Transmissive Zone (D-TZ) monitoring wells.

Monitoring wells MW-27C, MW-49B, MW-59D, MW-65D, and MW-90B were not accessible during the sampling event due to access and obstructions and were not sampled. Additional details on the SWMU 1 semi-annual sampling are provided in the Corrective Action Monitoring Report dated January 16, 2025 (WSP, 2025).

Prior to sampling, the static depth to water and the thickness of non-aqueous phase liquids (NAPL), if present, were measured using an oil-water interface probe. The static depth to groundwater and NAPL in the wells was measured from the designated surveyed measuring point to the nearest one hundredth of one foot (0.01 ft). The wells were then purged at a flow rate of approximately 0.2 liters per minute using a peristaltic pump with dedicated tubing with the pump intake placed near the lower portion of the screened interval, unless dense NAPL (DNAPL) was present, whereupon the tubing was positioned 2 to 3 feet above the groundwater/DNAPL interface. Purging was accomplished in such a way as to minimize disturbance of sediments at the bottom of the well and, therefore, minimize the turbidity of the water samples. During well purging, field parameters that included specific conductance, pH, temperature, dissolved oxygen, oxidation/reduction potential (redox), and turbidity, were monitored with field meters. Field meters were calibrated before sampling each day using the manufacturer's recommended procedures.

After purging, groundwater samples were collected using low-flow sampling techniques described in the EPA guidance document Low-Flow (Minimal Drawdown) Ground Water Sampling Procedures (EPA, 1996). As requested by the TCEQ in a letter dated September 6, 2019 (Additional Comments to UPRR's July 10, 2019 Response to 4th TNOD), wells with detectable DNAPL were also sampled during the this sampling event.

Since dedicated tubing was used in each well, no equipment rinsate samples were collected. Sampling information (i.e., sample time, bottle sets, sampler name, use of filter, etc.) was recorded on the groundwater sampling field records. Groundwater sampling field records from 2nd semi-annual 2024 sampling event are provided in Attachment A.

Groundwater samples collected from the Site were analyzed for the site-specific chemicals of concern (COCs) identified in the RCRA Facility Investigation (RFI) Work Plan (IC, 1994) and as detailed in the RCRA Permit Application, Compliance Plan (Section XI), Revision No. 5 (Golder, 2020). Site-specific COCs are also listed in the following table:

VOCs	SVOCs	Metals
1,2-Dichloroethane	1,2-Diphenylhydrazine	Arsenic
Benzene	2,4-Dimethylphenol	
Chlorobenzene	2,4-Dinitrotoluene	
Ethylbenzene	2,6-Dinitrotoluene	
Methylene Chloride	2-Chloronaphthalene	
Toluene	2-Methyl-4,6-dinitrophenol	
Xylenes (total)	2-Methylnaphthalene	
Vinyl Chloride (select wells)	4-Nitrophenol	
	Acenaphthene	
	Acenaphthylene	
	Anthracene	
	Benzo(a)anthracene	
	Benzo(a)pyrene	
	bis(2-chloroethoxy)methane	
	bis(2-ethylhexyl)phthalate	
	Chrysene	
	Dibenzofuran	
	Di-n-butyl Phthalate	
	Fluoranthene	
	Fluorene	
	Naphthalene	
	Nitrobenzene	
	n-Nitrosodiphenylamine	
	Pentachlorophenol	
	Phenanthrene	
	Phenol	
	Pyrene	

Site-specific volatile organic compounds (VOCs) were analyzed by EPA Method 8260C, site-specific semi-volatile organic compounds (SVOCs) by EPA Method 8270D, and arsenic by EPA Method 6020A. Groundwater samples were placed on ice in coolers and hand delivered to ALS Laboratory Group in Houston, Texas for analysis.

Samples collected from the Site were analyzed in accordance with the guidelines of EPA SW-846, Test Methods for Evaluating Solid Waste-Physical/Chemical Methods. The procedures for laboratory analysis, with any modifications, are further documented in the laboratory standard operating procedures, which are maintained at the laboratory, and are listed in the laboratory's quality assurance plan. Analytical data from the groundwater samples collected during the groundwater monitoring event were reviewed for adherence to established quality assurance/quality control (QA/QC) criteria. Data Usability Summaries (DUSs), prepared in accordance with TCEQ guidance publication RG-366/TRRP-13 (TCEQ, 2010) summarize the quality of the laboratory analytical data and present any deviations from the established QA/QC criteria. Copies of the analytical data reports and the DUSs are provided in Attachment B.

Based on the QA/QC review, the groundwater data evaluated in this report are considered usable for the purpose of evaluating COCs in Site environmental media, to assess the affected property based on the COCs, and establish TRRP protective concentration level (PCL) exceedance (PCLE) zones.

3 GROUNDWATER ELEVATION DATA AND DNAPL MEASUREMENTS

Groundwater elevations for the monitoring wells gauged during the 2nd semi-annual 2024 sampling event are summarized on Table 1. Potentiometric surface maps for each of the four GWBUs, A-TZ, B-TZ/B-CZ, C-TZ, and D-TZ, are presented on Figures 2 through 5 for the 2nd semi-annual 2024 event. Groundwater flow conditions for each GWBU are described in the following sections.

3.1 A-TZ WELLS

The highest groundwater elevation in the A-TZ was measured near SWMU No.1 at 45.81 feet relative to the City of Houston Vertical Datum (HVD) (MW-09), with the lowest elevation on the east side of the Site at 33.76 feet HVD (MW-69A) (Figure 2). The groundwater flow direction in the A-TZ varies across the Site (Figure 2). As discussed in the APAR Addendum (PBW, 2010), a 60-inch sanitary sewer line runs north to south just west of the Lockwood Bridge and appears to intersect the A-TZ, influencing groundwater flow in this area. Groundwater flow in the A-TZ flows to the east on the west side of the sanitary sewer line and flows to the west on the east side of the wastewater line (Figure 2).

No DNAPL was detected in the A-TZ wells during the 2nd semi-annual 2024 monitoring event.

3.2 B-TZ/B-CZ WELLS

As documented in the Response Action Plan (RAP) (Attachment 1A - APAR Addendum, PBW, 2014), a lateral stratigraphic change in the hydrogeology of the B-TZ has been identified at the Site. The more transmissive B-TZ pinches out from west to east into the B-CZ clay unit, where groundwater is encountered in very thin carbonate seams (typically less than 0.1 feet thick) within the clay unit at relatively the same elevation as the B-TZ. The B-CZ, where these thin carbonate seams are encountered, was classified as a Class 3 groundwater resource, and this designation was approved by the TCEQ in the 3rd TNOD letter dated April 10, 2017. The estimated boundary of the transition from Class 2 (B-TZ) to Class 3 (B-CZ) groundwater is shown on Figure 3.

B-TZ

Groundwater elevations in the B-TZ ranged from a high elevation measured southwest of the Site of 46.02 feet HVD at MW-96B, to the lowest elevation of 39.32 feet HVD at MW-89B located off-site to the north of the site (Figure 3). Groundwater in the B-TZ generally flows from the southwest to the northeast across the Site (Figure 3), similar to groundwater flow in the A-TZ. As discussed in the APAR Addendum (PBW, 2010), there appears to be communication between the A-TZ and B-TZ as indicated by the relatively similar groundwater elevations in the two units. Off-site to the north of Liberty Road, the groundwater flow conditions in the B-TZ are variable with groundwater flow generally to the northeast.

B-CZ

The highest measured groundwater elevation in the B-CZ is north of the Site at 44.39 feet HVD at MW-71B, with the lowest elevation of 31.43 feet HVD near the northeastern border of the Site at MW-54B. The groundwater flow conditions within the B-CZ are variable, but overall flow is generally to the northeast.

DNAPL was detected in on-site wells MW-57B and MW-74Bduring the July 2024 sampling event.

3.3 C-TZ WELLS

Groundwater elevations measured in the C-TZ ranged from a high elevation of 30.56 feet HVD at MW-27C which is located off-site to the northeast (Figure 4). The lowest elevation measured in the C-TZ during the 2nd semi-annual 2024 sampling event was 26.32 feet HVD at MW-21C on the west side of the Site. Groundwater flow in the C-TZ is generally to the southwest across the Site (Figure 4), which is consistent with historical groundwater flow patterns.

No DNAPL was detected in the C-TZ monitoring wells.

3.4 D-TZ WELLS

Only two D-TZ wells, MW-36D and MW-66D, were able to be measured during the 2nd semi-annual 2024 sampling event. The other two D-TZ wells, MW-59D and MW-65D, were obstructed during the sampling event. Groundwater flow in the D-TZ is generally from the southeast to northwest at the Site (Figure 5).

No DNAPL was detected in the D-TZ monitoring wells.

4 GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical results from the 2nd semi-annual 2024 sampling event are summarized along with the historical groundwater monitoring data from July 2008 through July/September 2024 in the following tables:

- Table 2 – Analytical Results Summary (2008 – 2024) – Class 2 Groundwater
- Table 3 – Analytical Results Summary (2008 – 2024) – Class 3 Groundwater
- Table 4 - Analytical Results Summary – A-TZ Wells – VISL Comparison

Historical groundwater data collected prior to 2008 are summarized in the Revised Affected Property Assessment Report (APAR) dated June 10, 2004 (ERM, 2004) and APAR Addendum dated July 13, 2009 (PBW, 2009).

Groundwater analytical data in Table 2 associated with the 2nd semi-annual 2024 sampling event were compared to the TCEQ TRRP Tier 1 residential groundwater PCLs or Residential Assessment Levels (RALs) and commercial/industrial (C/I) PCLs (the lesser value of the $^{GW}GW_{Ing}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs), dated May 2023 based on a 30-acre source area. Data in Table 3 (wells completed in B-CZ) were compared to RALs and C/I PCLs associated with a Class 3 groundwater resource and 30-acre source area (lesser value of the Tier 1 $^{GW}GW_{Class\ 3}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs). Critical PCLs (cPCLs) used to define PCLE Zones were established assuming residential or C/I land use depending on the location of the monitoring well. On-site well data was compared to C/I PCLs while data from off-site wells was compared to RALs. PCLE Zones were established based on the COC concentrations reported during the 2nd semi-annual 2024 sampling event.

4.1 SITE-SPECIFIC COCS

Based on the comparison of site-specific COCs to the applicable TRRP groundwater cPCLs, the following eight site-specific COCs (plus arsenic) were detected at concentrations that exceeded their respective cPCL during the 2nd semi-annual 2024 sampling event (GWBU where concentrations >cPCLs were detected noted):

Volatile Organic Compounds (VOCs)[1]

- Benzene (A-TZ, B-CZ/B-TZ, C-TZ)

Semi-Volatile Organic Compounds (SVOCs)[2]

- 2,4-Dimethylphenol (A-TZ)
- 2,6-Dinitotoluene (C-TZ)
- 2-Methylnaphthalene (A-TZ, B-TZ, & C-TZ)
- Benzo(a)anthracene[3] (A-TZ, B-TZ, C-TZ)
- Benzo(a)pyrene (A-TZ, B-TZ, & C-TZ)
- Dibenzofuran (A-TZ, B-TZ, C-TZ)
- Naphthalene (A-TZ, B-TZ, & C-TZ)

Notes:

[1] VOC methylene chloride was not detected but the sample detection limit (SDL) was greater than the cPCL for a few samples.

[2] SVOCs 1,2-diphenylhradzine, 2,4-dinitrotoluene, 2,6-dinitotoluene, 4,6-Dinitro-2-methylphenol (C-TZ), benzo(a)anthracene (C-TZ), benzo(a)pyrene, bis(2-Chloroethoxy)methane, bis(2-Ethylhexyl)phthalate (DEHP) (C-TZ), and pentachlorophenol were not detected but the SDLs were greater than the cPCL for a few samples.

[3] COC only detected above cPCLs in wells where DNAPL was present or has been present in the past.

The spatial distribution of COC concentrations in groundwater samples collected from each GWBU during the 2nd semi-annual 2024 event and the cumulative/overall combined PCLE zones for VOC and SVOC COCs and separate arsenic PCLE zones are presented on the following figures:

- Figure 6 for A-TZ,
- Figure 7 for B-CZ/B-TZ,
- Figure 8 for C-TZ, and
- Figure 9 for D-TZ.

Cumulative PCLE zones for each GWBU for the 2nd semi-annual 2024 event are presented on Figure 10 for site-specific VOC and SVOC COCs and Figure 11 for arsenic.

In addition to the figures listed above, individual VOC and SVOC COC concentration isopleth maps (Figures 12 through 26) for the most commonly detected groundwater COCs (primary VOC: benzene, and primary SVOCs: 2,4-dimethylphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene) at the Site using the 2nd semi-annual 2024 data were prepared for the A-TZ, B-CZ/B-TZ, and C-TZ units using the Kriging gridding method with the default linear variogram (complete description of method is provided in Attachment D), as listed below:

GWBU	A-TZ	B-CZ/B-TZ	C-TZ
COC	**Figure No.**		
Benzene	12	17	22
2,4-Dimethylphenol	13	18	23
2-Methylnaphthalene	14	19	24
Dibenzofuran	15	20	25
Naphthalene	16	21	26

As noted above, cumulative groundwater PCLE Zones that include these COCs in each GWBU are presented on Figures 6 through 8.

Arsenic concentration maps showing the arsenic PCLE Zones for the A-TZ, B-CZ/B-TZ, and C-TZ GWBUs and data for the D-TZ unit based on the 2nd semi-annual 2024 data are presented on Figures 27 through 30, respectively.

4.2 A-TZ WELLS

VOCs

Benzene concentrations were detected above the cPCL (0.005 mg/L ($^{GW}GW_{Ing}$ PCL)) in 6 of the 45 groundwater samples (13%) from the A-TZ wells collected during the 2nd semi-annual 2024 groundwater monitoring event. Groundwater samples from A-TZ monitoring wells with benzene concentrations detected above the cPCL were predominantly located on the eastern portion of the Site and in the northern portion of the Englewood Intermodal Yard (Figure 12). Vinyl chloride concentrations were detected above the cPCL (0.002 mg/L ($^{GW}GW_{Ing}$ PCL)) in 1 of the 6 groundwater samples from the A-TZ wells in well MW-18A (Figure 6). Analytical data from the 2nd semi-annual 2024 sampling event indicated that benzene concentrations are below the cPCLs in samples from the A-TZ wells located to the north, east, south, and west of the Site. Site-specific VOC concentrations in samples collected from off-site A-TZ monitoring wells were below cPCLs.

SVOCs

The primary site-specific SVOCs detected in the samples from the A-TZ wells that exceeded cPCLs are listed below (with number of samples that exceeded compared to total number of samples (percentage of samples with exceedance)):

- 2,4-Dimethylphenol (1 out of 45 samples (2%)) (Figure 13), and
- Naphthalene (3 out of 52 samples (6%)) (Figure 16).

Other SVOCs (benzo(a)pyrene and bis(2-choloroethoxy)methane) were also detected above cPCLs in the following A-TZ two monitoring wells:

- Benzo(a)pyrene in MW-49A (1 out of 45 samples (2%)), and
- Bis(2-choloroethoxy)methane in MW-79A (1 out of 45 samples (2%)).

COCs 2,4-dinitrotoluene, 2,6-dinitotoluene, bis(2-chloroethoxy)methane, benzo(a)pyrene, and pentachlorophenol were not detected above the sample detection limits (SDLs). However, for these SVOCs, the SDL was greater than the cPCL in

only one sample collected from MW-17 due to matrix interference or high concentrations of target and/or non-target compounded resulting in sample dilution and elevated reporting limits. Concentrations for the other site-specific SVOCs analyzed were either below cPCLs or below the SDL in samples from the A-TZ wells collected during the 2nd semi-annual 2024 sampling event.

Site-specific SVOCs were detected above applicable cPCLs in samples collected from A-TZ wells located generally on the eastern portion of the Site and in the northern portion of the Englewood Intermodal Yard. Analytical data from the 2nd semi-annual 2024 sampling event indicated that the site-specific SVOCs concentrations were below their respective cPCLs in samples from the A-TZ wells located to the north, east, south, and west of the Site, similar to the distribution of benzene concentrations in the A-TZ. None of the site-specific SVOC concentrations detected in samples from the off-site A-TZ wells exceeded their respective RALs.

The PCLE Zones for the individual SVOCs in the A-TZ are within the Site boundary based on the interpretation of the groundwater concentration data on-site and off-site as shown on the isopleth maps (Figures 13 through 16). In these areas, samples from on-site monitoring wells indicate PCL exceedances, but samples from the off-site wells closest to those locations do not indicate PCL exceedances.

The cumulative PCLE Zone for site-specific VOC and SVOC COCs in the A-TZ compared to previous events continues to indicate the plume stable. Additional analysis of the plume stability is provided in Section 4.6.2.

EPA Vapor Intrusion Screening Level Evaluation

Groundwater analytical data from the 2nd semi-annual 2024 event for the off-site monitoring wells completed in the A-TZ to the north, west, and east of the Site were also compared to values developed using the U.S. Environmental Protection Agency's (EPA's) vapor intrusion screening level (VISL) calculator (EPA, 2015, EPA, 2019). The VISL calculator was used to calculate conservative, non-site specific, risk-based potential vapor intrusion (VI) screening values for the identified COCs in the A-TZ GWBU. The VISL tool calculates the COC concentration in groundwater, based on certain default conditions, at which the COC is not expected to pose an unacceptable VI risk.

EPA VISL Calculator

The VISL calculator (EPA, 2019) provides screening concentrations based on several basic inputs, including a residential or commercial exposure scenario, target hazard quotient, target carcinogenic risk, and groundwater temperature. For this evaluation, the selected inputs were – residential scenario, hazard quotient of 0.1, carcinogenic risk of 10^{-5} (consistent with the TRRP criteria), and groundwater temperature of 25°C. Also, EPA's VISL calculator uses a conservative default attenuation factor of 0.001 for the attenuation of vapors between the groundwater source zone and the overlying receptor. This attenuation factor is not adjusted for the more rapid attenuation of petroleum hydrocarbon vapors and is therefore likely overly conservative for these compounds. Based on these inputs, the groundwater screening concentrations were calculated. The calculated concentrations were compared to the July 2024 groundwater sample COC concentrations for the Site-specific COCs (Table 4).

As indicated in Table 4, COC concentrations reported in off-site A-TZ GWBU wells were below the conservative EPA VISL-calculated groundwater screening concentrations for the 2nd semi-annual 2024 sampling event.

4.3 B-CZ/B-TZ WELLS

VOCs

Benzene concentrations were detected above the cPCL of 0.005 mg/L ($^{GW}GW_{Ing}$ PCL) in 7 of the 29 (24%) samples collected from the B-TZ wells and above the 0.5 mg/L ($^{GW}GW_{Class\ 3}$ PCL) in 4 of the 15 (27%) samples collected from the B-CZ wells. Two separate PCLE Zones (Main and West) are evident based on the 2nd semi-annual 2024 groundwater data from the B-CZ/B-TZ monitoring wells (as shown on Figure 17). These two PCLE Zones are described below:

- Main PCLE Zone: The primary benzene PCLE zone in the B-CZ/B-TZ GWBU (groundwater classification Class 3 and Class 2, respectively) includes a small area in the north portion of the Site and extends approximately 600 feet north of the UPRR property boundary. This PCLE zone appears to be delineated based on data for surrounding monitoring wells (MW-63B, MW-71B, MW-82B, MW-84B, MW-92B and MW-93B).
- West PCLE Zone: A small benzene PCLE zone is located on the west side of the Site defined by results from a solitary well (MW-41B, which is a DNAPL recovery well. Benzene concentrations at MW-40B were less than the SDL; however, the SDL was greater than the cPCL. Historically, benzene concentrations have been greater than the cPCL at MW-40B. Therefore, monitoring well MW-40B is included within the benzene PCLE zone. This PCLE zone appears to be confined within the UPRR property boundary based on data for surrounding monitoring wells (MW-12B, MW-39B, MW-42B, MW-62B, P-11, and TW-41B).

Other site-specific VOC concentrations were detected in the samples collected from the B-CZ/B-TZ monitoring wells; however, the detected concentrations were below their respective cPCLs (Tables 2 and 3).

SVOCS

The primary site-specific SVOCs detected in the samples from the B-CZ/B-TZ wells that exceeded cPCLs are listed below:

- 2,4-Dimethylphenol (1 out of 44 samples (2%)) (Figure 18)
- 2-Methylnaphthalene (2 out of 44 samples (5%)) (Figure 19),
- Dibenzofuran (2 out of 49 samples (2%)) (Figure 20) and
- Naphthalene (4 out of 49 samples (10%)) (Figure 21).

These primary site-specific SVOCs were detected above their respective cPCLs in samples located generally within the B-CZ/B-TZ Main and West PCLE Zones described above.

In addition to the primary SVOCs discussed above, the following other site-related COCs were detected at concentrations that exceeded their respective cPCLs:

- 1,2-Diphenylhydrazine exceeded the cPCL in MW-74B (DNAPL recovery well).
- Acenaphthene exceeded the cPCL in MW-75B (DNAPL recovery well).
- Benzo(a)pyrene concentrations were detected in samples collected from DNAPL recovery wells MW-12B, MW-68B, MW-74B, and MW-75B at concentrations greater than their SDLs and cPCLs.
- Benzo(a)anthracene exceeded the cPCL MW-74B and MW-75B (DNAPL recovery wells).
- Fluorene exceeded the cPCL in MW-75B (DNAPL recovery well).
- Fluoranthene exceeded the cPCL in MW-75B (DNAPL recovery well).
- Phenanthrene exceeded the cPCL in MW-75B (DNAPL recovery well).
- Pyrene exceeded the cPCL in MW-75B (DNAPL recovery well).

COCs 1,2-dichloroethane, 2,4-dinitrotoluene, 2,6-dinitotoluene, bis(2-chloroethoxy)methane, benzo(a)pyrene, methylene chloride, pentachlorophenol, and vinyl chloride were not detected above the sample detection limits (SDLs). However, for these SVOCs, the SDL was greater than the cPCL in samples collected from MW-35B, MW-38B, MW-40B, MW-41B, MW-70B, MW-74B, MW-75B, or MW-83B due to matrix interference or high concentrations of target and/or non-target compounded resulting in sample dilution and elevated reporting limits. Concentrations for the other site-specific SVOCs analyzed were either below cPCLs or below the SDL in samples from the B-TZ/B-CZ wells collected during the 2nd semi-annual 2024 sampling event.

The PCLE zones for the primary and additional site-specific SVOCs are generally within the confines of the benzene PCLE zone described above except for the West PCLE Zone that is defined by benzo(a)pyrene concentrations in MW-12B and benzene, benzo(a)pyrene, and naphthalene concentrations in MW-40B and MW-41B.

The cumulative PCLE Zones for site-specific COCs detected in the B-CZ/B-TZ monitoring wells continue to indicate a stable and/or decreasing plume compared to previous sampling events. Additional analysis of the plume stability is provided in Section 4.6.2.

4.4 C-TZ WELLS

VOCs

Benzene concentrations were detected above the cPCL (0.005 mg/L) in 2 of the 27 (7%) groundwater samples collected from C-TZ wells during the 2nd semi-annual 2024 groundwater monitoring event. Benzene concentrations were detected above the cPCL in groundwater samples from two on-site wells located in the northeast portion of the Site (MW-18C and MW-23C) (Figure 22). None of the off-site C-TZ wells had benzene concentrations detected above the cPCL. Methylene chloride in MW-21C and MW-25C, chlorobenzene in MW-21C and 1,2-dichloroethane in MW-21C were not detected above SDLs; however, the SDLs in those samples were elevated above their respective cPCLs. Since these COCs have not historically been detected above cPCLs at MW-21C or MW-25C, they are not included within the PCLE zone for the C-TZ.

SVOCs

Site-specific SVOCs were detected above applicable cPCLs in groundwater samples collected from C-TZ wells. The primary SVOCs detected in samples from the C-TZ wells above cPCLs include:

- 2-Methylnaphthalene (1 out of 27 samples (4%)) (Figure 24), and
- Naphthalene (3 out of 27 samples (11%)) (Figure 26).

Concentrations of 2,4-dimethylphenol and dibenzofuran in July 2024 did not exceed their respective cPCLs (Figures 23 and 25, respectively). Site-specific SVOC benzo(a)pyrene was detected above the cPCL (0.0002 mg/L) in samples collected from on-site well MW-18C and off-site well MW-46C (Figure 8).

PCLE Zones for these COCs are located on the northeastern portion of the Site and offsite to the northeast along Liberty Road and near the Lockwood Bridge. As a result, the cumulative groundwater PCLE Zone for the primary SVOCs is predominately within the Site boundary except to the northeast where it extends onto the City of Houston right-of-way (ROW) (MW-46C and historical DNAPL wells around the Lockwood Drive). Except for the benzo(a)pyrene concentration at MW-46C, the SVOC PCLE zones are within the benzene PCLE zone discussed above.

SDLs for 1,2-diphenylhydrazine, 2,4-dinitrotoluene, 2,6-dinitotoluene, 4,6-dinitro-2-methylphenol, benzo(a)anthracene, benzo(a)pyrene, bis(2-chloroethoxy)methane, bis(2-ethylhexyl)phthalate (DEHP), and pentachlorophenol in samples from MW-17C and MW-45C were greater than their respective cPCLs; however, no concentrations were detected above the elevated SDLs.

DNAPL has been historically detected in samples from wells MW-45C and MW-46C. Trace amounts of DNAPL were detected in MW-23C and MW-45C during the bi-monthly recovery events[1] in the second half of 2024.

The cumulative PCLE Zones for VOCs and SVOCs in the C-TZ continue to indicate a decreasing plume compared to previous events. Additional analysis of the plume stability is provided in Section 4.6.2.

4.5 D -TZ WELLS

VOCs

[1] DNAPL recovery is performed bi-monthly (twice monthly) and reported quarterly (see WSP, 2024b for the latest report).

No site-specific VOCs were detected above cPCLs in samples collected from D-TZ wells during the 2nd semi-annual 2024 monitoring event.

SVOCs

No site-specific SVOCs were detected above cPCLs in samples collected from D-TZ wells during the 2nd semi-annual 2024 monitoring event.

4.6 TREND ANALYSIS

WSP evaluated the trends of primary COC concentrations using the Mann-Kendall trend test for individual monitoring wells (Attachment C). Details of the trend analyses are provided below.

4.6.1 INDIVIDUAL WELLS

WSP conducted a trend analysis of the primary COC concentrations (benzene, 2,4-dimethyphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene) for each monitoring well using the Mann-Kendall trend test. The trend analysis included data from groundwater samples from monitoring wells in each GWBU from 2009 (or from date of installation) to 2024 for wells with at least four sampling events, including samples collected from wells containing detectable DNAPL. The Mann-Kendall test is a nonparametric method (i.e., it does not require a distributional assumption of the data) to test for an increasing or decreasing linear trend over time. The Mann-Kendall test also does not require special treatment for non-detects, other than non-detect concentrations should be set to a common value lower than any of the detected concentrations (EPA, 2009). The Mann-Kendall test was performed for each well with at least one detection of a primary COC.

The Mann-Kendall trend tests were performed using the statistical software R© (The R© Foundation, 2021) and the EnvStats package (Package 'EnvStats', 2021). Mann-Kendall test results with a p-value less than an error rate of α=0.05 (i.e., 95% level of confidence) indicate a statistically significant increasing or decreasing trend. Results with a p-value greater than 0.05 but less than 0.1 indicate a "probably" increasing or "probably" decreasing trend. Mann-Kendall test results with a p-value greater than 0.1 indicate either a "stable" trend or "no trend". A "stable" trend occurs when data for a COC in a well has a coefficient of variation less than 1, appears to follow a decreasing trend (when the Mann-Kendall test statistic is negative), and has a p-value from the Mann-Kendall test greater than 0.1. In all other cases when the p-value from the Mann-Kendall test is greater than 0.1, the COC in the well is considered to have "no trend".

The results of the Mann-Kendall analysis for each well and COC evaluated are provided on Table C-1 in Attachment C. The trend results summarized on Table C-1 use the following abbreviations for the calculated trends: decreasing ("D"), probably decreasing ("PD"), stable ("S"), probably increasing ("PI"), increasing ("I"), and no trend ("NT").

The Mann-Kendall test results generally indicated that primary COC concentrations are either stable, decreasing, probably decreasing, or exhibit no trend in samples from 98 of the 119 site-wide monitoring wells at the Site. Any COC in a well in which all concentrations are below detection limits for all sampling events is assigned "ND" on Table C-1 (Attachment C).

The Mann-Kendall test results identified COCs as probably increasing ("PI") or increasing ("I") in samples from 14 monitoring wells, where recent analytical results were reported as either not detected, just above the SDL, or J-flagged as estimated (value was between the SDL and quantitation limit). In each case, the recent COC detections were orders of magnitude below the applicable cPCL for the COC. This included the following **18 wells** and COCs:

- A-TZ wells: MW-03 (naphthalene), MW-13 (2,4-dimethylphenol), MW-64A (naphthalene), and MW-95A (naphthalene);
- B-CZ well: MW-33BR (2,4-dimethylphenol), MW-61B (2-methylnaphthalene, dibenzofuran, & naphthalene), MW-63B (naphthalene);

- B-TZ wells:MW-81B (2,4-dimethylphenol & dibenzofuran), MW-89B (dibenzofuran), MW-96B (2-methylnaphthalene, dibenzofuran, & naphthalene), and P-11 (2-methylnaphthalene); and
- C-TZ wells: MW-19C (dibenzofuran), MW-23C (2,4-dimethylphenol), MW-34CR (dibenzofuran), MW-45C (2,4-dimethylphenol), MW-53C (2,4-dimethylphenol & dibenzofuran), MW-86C (dibenzofuran) and MW-87C (2,4-dimethylphenol).

Mann-Kendall test results indicate an increasing/probably increasing trend in the samples from the following monitoring wells that had concentrations exceeding the cPCL or within the same order of magnitude as the cPCL:

A-TZ:

None of the A-TZ wells indicate an increasing/probably increasing trend in the samples from the following monitoring wells that had concentrations exceeding the cPCL or within the same order of magnitude as the cPCL.

B-CZ/B-TZ:

- Off-site well MW-38B: The evaluation indicates a **probably increasing** trend in dibenzofuran and naphthalene concentrations in samples collected from off-site well MW-38B. The concentrations observed in MW-38B from the 2nd semi-annual 2024 sampling event are all below the cPCLs (Class 2 groundwater) and below historical maximum detections for the primary site-specific COCs, but are within an order of magnitude of the cPCLs.
- On-site well MW-49B: Monitoring well MW-49B has not been accessible the last two semi-annual groundwater monitoring events. The following evaluation is based on groundwater data collected through July 2023. The evaluation indicates an **increasing** trend in benzene, 2,4-dimethylphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene concentrations in samples collected from on-site well MW-49B. MW-49B is part of the current DNAPL recovery well network and DNAPL has been detected during bi-monthly recovery events. These COC concentrations detected in MW-49B are less than the historical maximums previously detected at this monitoring/recovery well.
- On-site well TW-41B: Results indicate an **increasing** trend in benzene, 2-methylnaphthalene, dibenzofuran, and naphthalene in on-site well TW-41B. Monitoring well TW-41B is located between DNAPL recovery wells MW-12B (approximately 220 feet north) and MW-41B (approximately 165 feet south). These COC concentrations detected in TW-41B are less than the historical maximums previously detected at this monitoring well, and none of the concentrations exceed their respective cPCL.
- Off-site well MW-63B: The evaluation indicates an **increasing** trend in benzene concentrations in samples collected from off-site well MW-63B. The concentrations observed in MW-63B from the 2nd semi-annual 2024 sampling event are all below the cPCL (Class 3 groundwater) and below historical maximum detections for the primary site-specific COCs, but are within an order of magnitude of the cPCL.

C-TZ:

- Off-site well MW-45C: Results indicate a **probably increasing** trend in dibenzofuran concentrations and an **increasing** trend in 2-methylnaphthalene concentrations in samples from off-site well MW-45C. MW-45C is part of the current DNAPL recovery well network. DNAPL was not present in MW-45C during the bi-monthly recovery events in the second half of 2024. The concentrations observed in MW-45C from the 2nd semi-annual 2024 sampling event are all below historical maximum detections for the primary site-specific COCs. The trend results are affected by anomalously high results observed during the 2nd 2022 semi-annual monitoring event as detailed in the previous semi-annual monitoring report (WSP, 2023c).

Of the 119 wells evaluated, primary COC data associated with 5 wells listed above, showed a probably increasing or increasing trend in concentrations (excludes the 18 wells discussed above with low-level or J-flagged results). Of these five wells, two wells (MW-49B and MW-45C) are DNAPL recovery wells where product has been detected in the wells.

4.6.2 PLUME ANALYTICS

WSP performed a plume analytics evaluation using groundwater analytical data and groundwater elevation data collected from 1984 to 2024 for the A-TZ, B-CZ/B-TZ, and C-TZ groundwater bearing units. This evaluation included a Ricker

Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis (US Pat. No. 10,400,583) for each of the primary COCs (benzene, 2,4-dimethyphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene) in each groundwater bearing unit. The complete analyses including details of the methodologies are provided in Attachment D. A summary of the results is provided below.

Ricker Method® Plume Stability Trend Results			
Constituent	**Area**	**Average Concentration**	**Mass Indicator**
A-TZ (2014 – 2024)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
Benzene	No Trend	Decreasing Trend	Decreasing Trend
Dibenzofuran	Decreasing Trend	Decreasing Trend	Decreasing Trend
Naphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
B-CZ/B-TZ (2012 – 2024)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend*	Decreasing Trend*
Benzene	Stable	Decreasing Trend	Decreasing Trend
Dibenzofuran	Stable	Stable	Stable
Naphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
C-TZ (2004 – 2024)			
2,4-Dimethylphenol	No Trend	No Trend	No Trend
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend*	Decreasing Trend
Benzene	Decreasing Trend	Increasing Trend	Decreasing Trend
Dibenzofuran	Decreasing Trend	Decreasing Trend	Decreasing Trend
Naphthalene	Decreasing Trend	Decreasing Trend*	Decreasing Trend

*Based on Mann-Kendall
**Based on linear regression

A-TZ
As presented above, all trends in the A-TZ were identified as decreasing or not statistically significant (“No Trend”) for the primary COCs.

B-CZ/B-TZ
All trends in the B-CZ/B-TZ were identified as stable or decreasing.

Please note that during development of the input data set, some apparently anomalous results were observed for wells in the B-CZ/B-TZ and C-TZ groundwater bearing units. For example, naphthalene was detected at a value of 1,200 mg/L in MW-49B in January 2020. MW-49B has been sampled 22 times since 2009 and excluding the anomalous January 2020 result, the average concentration of the remaining 21 events is 3.8 mg/L and the maximum concentration is 15 mg/L. Since the solubility limit of naphthalene is approximately 31.6 mg/L, it is highly improbable that the January 2020 result of 1,200 mg/L is representative of dissolved naphthalene in groundwater. Anomalous results were assigned a replacement value using an algorithm based on solubility limits. Additional details are provided in Attachment D.

C-TZ

Average benzene concentration trend was identified as statistically increasing for benzene in the C-TZ; all other trends for the primary COCs in the C-TZ were either decreasing or not statistically significant.

The calculated increasing trend in benzene concentrations within the C-TZ zone is due to the decreasing area of the plume. When a plume reduces in area, the lowest concentration wells will be the first to reach non-detect and be removed from the calculation, thus the remaining wells, which may not have decreased as much, cause the average concentration to be higher. Therefore, it is important to consider all plume metrics together when assessing plume stability.

4.7 ARSENIC

Arsenic concentrations from the 2nd semi-annual 2024 sampling event were detected above the cPCL (0.010 mg/L) in 27 of the 118 (23%) groundwater samples analyzed for arsenic (15 samples in the A-TZ, 11 samples in the B-TZ, and 1 samples in the C-TZ). As detailed in the First Semi-Annual 2022 Site-Wide Groundwater Monitoring Report (Golder, 2022), elevated arsenic concentrations are likely associated with geochemical conditions developed along the hydrocarbon plume for most of the wells as supported by:

- The on-site presence of creosote-related COCs in the A-TZ,
- Observed reducing conditions within the A-TZ on- and off-site, and
- Positive relationship observed between arsenic and iron concentrations.

However, arsenic concentrations at off-site monitoring well MW-91A completed in the A-TZ are not related to creosote-related COCs. Arsenic concentrations in samples collected from this well represent background concentrations in this area of the Site (Golder, 2022) and do not require further delineation as supported by:

- The distance between the edge of the creosote-related COC PCLE zone in the A-TZ and MW-91A (approx. 750 feet), and
- Arsenic concentrations in samples collected from monitoring wells located between monitoring well MW-91A and the on-site hydrocarbon plume, such as off-site monitoring wells MW-84A, MW-28A, and MW-36A, where arsenic groundwater data are consistently below the cPCL.

The arsenic concentration in samples collected from MW-91A have ranged from 0.00989 mg/L to 0.0232 mg/L since installation.

5 CONCLUSIONS

The following conclusions were made for each GWBU based on the groundwater sampling analytical results from the 2nd semi-annual 2024 site-wide groundwater monitoring event conducted in July and September 2024:

- **A-TZ:**
  - The cumulative VOC/SVOC PCLE Zone in the A-TZ GWBU is within the Site boundary except to the north (along Liberty Road) where it extends onto the City of Houston ROW.
  - Site-specific VOC/SVOC concentrations detected in samples from the off-site A-TZ GWBU wells were below the conservative EPA VISL-calculated screening levels. This indicates that COC concentrations are not expected to pose an unacceptable VI risk.
  - Trend analyses indicate overall plume stability in the A-TZ.
    - Individual well trend analysis indicates a probably decreasing, decreasing, stable, or no trend for primary COC concentrations in 39 of the 43 A-TZ wells sampled.
    - Four wells completed in the A-TZ indicated probably increasing or increasing concentration trends; all four of these wells had COC concentrations that were orders of magnitude below the appliable cPCL for the COC and were detected just above the SDL or were estimated (J-flagged).
    - The Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis indicate decreasing trends for the five primary COCs in terms of area (except for benzene that indicated "no trend"), average concentration, and mass indicator.
- **B-CZ/B-TZ:**
  - The cumulative VOC/SVOC PCLE Zone based on residential and C/I land use (i.e., C/I for on-Site wells and Residential for off-Site wells) and both Class 2 and 3 groundwater in the B-CZ/B-TZ GWBU (i.e., Class 3 and 2 groundwater, respectively) includes a small area in the north portion of the Site and extends approximately 600 feet north of the UPRR property boundary (referred to as the "Main" PCLE Zone). A smaller VOC/SVOC PCLE Zone located on the west side of the Site is within the Site property boundary (referred to as the "West" PCLE Zone).
  - Trend analyses indicate overall plume stability in the B-CZ/B-TZ.
    - Individual well trend analysis indicates a probably decreasing, decreasing, stable, or no trend for primary COC concentrations in 34 of the 44 B-CZ/B-TZ wells analyzed. Ten wells completed in the B-CZ/B-TZ indicated probably increasing or increasing concentration trends; however, seven of these wells had COC concentrations that were just above the SDL or estimated (J-flagged) and were below the applicable cPCL for the COC. Four wells had COC concentrations that were on the same order of magnitude as the applicable cPCL but were not detected greater than the cPCL
    - The Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis indicate decreasing trends for four of the five primary COCs in terms of area (except for benzene that indicated "stable"), average concentration, and mass indicator. Analysis of dibenzofuran concentrations indicated stable conditions in terms of area, average concentration, and mass indicator.
- **C-TZ:**
  - The cumulative VOC/SVOC PCLE Zone in the C-TZ is in the northeast portion of the Site and extends off-site to the northeast onto the City of Houston ROW.
  - Trend analyses indicate overall plume stability in the C-TZ.
    - Individual well trend analysis indicates a probably decreasing, decreasing, stable, or no trend in 21 of the 28 C-TZ wells analyzed.
      - Of the seven wells that exhibit probably increasing or increasing trends in COC concentrations, COC concentrations in each well varied slightly around the SDL (several orders of magnitude below cPCLs), except for 2-methylnaphthalene and dibenzofuran in well MW-45C, which were on the same order of magnitude as the cPCLs, but did not

exceed their respective cPCLs. Naphthalene and dibenzofuran in MW-45C show an increasing and probably increasing trend, respectively. MW-45C is a DNAPL recovery well.

- The Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis indicate decreasing trends for the five primary COCs in terms of area, average concentration (except for benzene that indicated “increasing trend”), and mass indicator. The increasing trend in average concentration for benzene within the C-TZ zone is due to the decreasing area of the plume.

D-TZ:

- No site-specific VOCs or SVOCs were detected at concentrations above cPCLs in samples collected from D-TZ wells during the 2nd semi-annual2024 sampling event.

6 NOTIFICATIONS

The groundwater data collected in the 2nd semi-annual 2024 event is being submitted to the TCEQ in this GMR. Offsite property owners, where the groundwater PCLE Zone extends off-site onto property not owned by UPRR and off-site onto the City of Houston property, will be notified of the availability of information related to the groundwater monitoring at the Site as required under 30 Texas Administrative Code §350.55(b). Harris County Appraisal District (HCAD) records were utilized to identify record owners of off-site properties for notification as reflected in Attachment D.

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TABLES

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-01A	47.92	9/2/1993	6.96			40.99
MW-01A	47.92	12/21/1993	3.28			44.67
MW-01A	47.92	3/24/1994	3.95			44
MW-01A	47.92	6/22/1994	5.30			42.65
MW-01A	47.92	9/28/1994	7.10			40.85
MW-01A	47.92	10/13/1994	7.26			40.69
MW-01A	47.92	1/24/1995	2.63			45.32
MW-01A	47.92	4/11/1995	2.61			45.34
MW-01A	47.92	7/11/1995	4.78			43.17
MW-01A	47.92	1/23/1996	5.67			42.28
MW-01A	47.92	7/19/1996	7.84			40.11
MW-01A	47.92	9/17/1996	8.33			39.62
MW-01A	47.92	10/31/1996	6.90			41.05
MW-01A	47.92	11/22/1996	8.63			39.32
MW-01A	47.92	12/27/1996	5.50			42.45
MW-01A	47.92	1/22/1997	3.41			44.54
MW-01A	47.92	2/21/1997	2.68			45.27
MW-01A	47.92	3/25/1997	2.96			44.99
MW-01A	47.92	4/23/1997	4.27			43.68
MW-01A	47.92	4/24/1997	4.47			43.48
MW-01A	47.92	5/13/1997	2.91			45.04
MW-01A	47.92	6/20/1997	4.88			43.07
MW-01A	47.92	6/25/1997	2.59			45.36
MW-01A	47.92	7/1/1997	4.04			43.91
MW-01A	47.92	7/24/1997	6.80			41.15
MW-01A	47.92	8/16/1997	7.84			40.11
MW-01A	47.92	8/22/1997	9.52			38.43
MW-01A	47.92	9/25/1997	6.02			41.93
MW-01A	47.92	10/22/1997	4.89			43.06
MW-01A	47.92	11/25/1997	4.88			43.07
MW-01A	47.92	12/19/1997	4.26			43.69
MW-01A	47.92	1/20/1998	3.10			44.85
MW-01A	47.92	3/3/1998	2.87			45.08
MW-01A	47.92	3/18/1998	2.68			45.27
MW-01A	47.92	4/24/1998	6.73			41.22
MW-01A	47.92	5/21/1998	6.89			41.06
MW-01A	47.92	7/30/1998	7.96			39.99
MW-01A	47.92	8/25/1998	6.87			41.08
MW-01A	47.92	9/21/1998	4.70			43.25
MW-01A	47.92	10/26/1998	5.98			41.97
MW-01A	47.92	11/23/1998	4.11			43.84
MW-01A	47.92	1/29/1999	3.01			44.94
MW-01A	47.92	2/26/1999	3.20			44.75
MW-01A	47.92	3/16/1999	3.71			44.24
MW-01A	47.92	4/29/1999	3.93			44.02
MW-01A	47.92	6/1/1999	3.98			43.97
MW-01A	47.92	7/30/1999	4.31			43.64
MW-01A	47.92	8/27/1999	4.11			43.84
MW-01A	47.92	9/27/1999	9.67			38.28
MW-01A	47.92	10/29/1999	10.67			37.28
MW-01A	47.92	12/29/1999	10.00			37.95
MW-01A	47.92	2/4/2000	12.71			35.24
MW-01A	47.92	2/25/2000	9.10			38.85
MW-01A	47.92	3/27/2000	7.38			40.57
MW-01A	47.92	4/7/2000	7.00			40.95
MW-01A	47.92	5/31/2000	7.15			40.8
MW-01A	47.92	6/1/2000	7.00			40.95
MW-01A	47.92	7/28/2000	7.11			40.84
MW-01A	47.92	8/30/2000	10.33			37.62
MW-01A	47.92	9/19/2000	11.56			36.39
MW-01A	47.92	10/27/2000	9.01			38.94
MW-01A	47.92	11/21/2000	8.49			39.46
MW-01A	47.92	5/1/2001	6.60			41.35
MW-01A	47.92	10/1/2001	6.85			41.1
MW-01A	47.92	3/11/2002	3.31			44.64
MW-01A	47.92	9/23/2002	3.23			44.72
MW-01A	47.92	3/10/2003	2.48			45.44
MW-01A	47.92	9/23/2003	4.29			43.63
MW-01A	47.92	3/15/2004	3.49			44.43
MW-01A	47.92	9/13/2004	8.26			39.66
MW-01A	47.92	7/18/2005	3.73			44.19
MW-01A	47.92	1/4/2006	8.54			39.38
MW-01A	47.92	7/27/2006	3.10			44.82

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-01A	47.92	1/23/2007	2.26			45.66
MW-01A	47.92	3/7/2007	2.36			45.56
MW-01A	47.92	7/27/2007	4.05			43.87
MW-01A	47.92	1/28/2008	2.51			45.41
MW-01A	47.92	7/16/2008	7.21			40.71
MW-01A	47.92	1/22/2009	6.21			41.71
MW-01A	47.92	7/22/2009	6.96			40.96
MW-01A	47.92	1/8/2010	3.07			44.85
MW-01A	47.92	7/12/2010	3.87			44.05
MW-01A	47.88	1/12/2011	3.63			44.25
MW-01A	47.88	7/13/2011	9.94			37.94
MW-01A	47.88	1/27/2012	3.19			44.69
MW-01A	47.88	7/10/2013	9.96			37.92
MW-01A	47.88	1/8/2014	5.21			42.67
MW-01A	47.88	7/2/2014	6.81			41.07
MW-01A	47.88	1/7/2015	2.36			45.52
MW-01A	47.88	8/10/2015	4.11			43.77
MW-01A	47.90	1/12/2016	2.49			45.41
MW-01A	47.90	7/7/2016	5.42			42.48
MW-01A	47.90	1/12/2017	4.29			43.61
MW-01A	47.90	7/12/2017	6.19			41.71
MW-01A	47.90	1/3/2018	6.47			41.43
MW-01A	47.90	7/18/2018	5.88			42.02
MW-01A	47.90	1/3/2019	5.96			41.94
MW-01A	47.90	7/1/2019	2.85			45.05
MW-01A	47.90	1/14/2020	2.71			45.19
MW-01A	47.90	7/8/2020	5.34			42.56
MW-01A	47.85	1/6/2021	2.86			44.99
MW-01A	47.85	7/6/2021	2.23			45.62
MW-01A	47.85	1/3/2022	5.02			42.83
MW-01A	47.85	7/5/2022	6.79			41.06
MW-01A	47.85	1/3/2023	3.32			44.53
MW-01A	47.85	7/5/2023	7.53			40.32
MW-01A	47.85	1/2/2024	5.17			42.68
MW-01A	47.85	7/22/2024	2.59			45.26
MW-02	47.97	9/2/1993	7.45			40.58
MW-02	47.97	12/21/1993	2.58			45.45
MW-02	47.97	3/24/1994	4.08			43.95
MW-02	47.97	6/22/1994	5.85			42.18
MW-02	47.97	9/28/1994	7.05			40.98
MW-02	47.97	10/13/1994	7.69			40.34
MW-02	47.97	1/24/1995	2.12			45.91
MW-02	47.97	4/11/1995	2.53			45.5
MW-02	47.97	7/11/1995	5.34			42.69
MW-02	47.97	1/23/1996	5.69			42.34
MW-02	47.97	7/19/1996	8.28			39.75
MW-02	47.97	9/17/1996	8.84			39.19
MW-02	47.97	10/31/1996	7.11			40.92
MW-02	47.97	11/22/1996	8.99			39.04
MW-02	47.97	12/27/1996	5.42			42.61
MW-02	47.97	1/22/1997	3.08			44.95
MW-02	47.97	2/21/1997	2.60			45.43
MW-02	47.97	3/25/1997	2.98			45.05
MW-02	47.97	4/23/1997	4.60			43.43
MW-02	47.97	4/24/1997	4.78			43.25
MW-02	47.97	5/13/1997	2.89			45.14
MW-02	47.97	6/20/1997	5.45			42.58
MW-02	47.97	6/25/1997	2.59			45.44
MW-02	47.97	7/1/1997	4.48			43.55
MW-02	47.97	7/24/1997	7.42			40.61
MW-02	47.97	8/16/1997	8.42			39.61
MW-02	47.97	8/22/1997	9.20			38.83
MW-02	47.97	9/25/1997	4.53			43.5
MW-02	47.97	10/22/1997	4.95			43.08
MW-02	47.97	11/25/1997	4.97			43.06
MW-02	47.97	12/19/1997	4.33			43.7
MW-02	47.97	1/20/1998	3.05			44.98
MW-02	47.97	3/3/1998	2.88			45.15
MW-02	47.97	3/18/1998	2.66			45.37
MW-02	47.97	4/24/1998	7.09			40.94
MW-02	47.97	5/21/1998	7.00			41.03
MW-02	47.97	7/30/1998	8.11			39.92
MW-02	47.97	8/25/1998	7.33			40.7

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-02	47.97	9/21/1998	4.18			43.85
MW-02	47.97	10/26/1998	6.85			41.18
MW-02	47.97	11/23/1998	4.63			43.4
MW-02	47.97	1/29/1999	3.51			44.52
MW-02	47.97	2/26/1999	3.61			44.42
MW-02	47.97	3/16/1999	3.55			44.48
MW-02	47.97	4/29/1999	3.76			44.27
MW-02	47.97	6/1/1999	3.76			44.27
MW-02	47.97	7/30/1999	4.61			43.42
MW-02	47.97	8/27/1999	3.96			44.07
MW-02	47.97	9/27/1999	10.12			37.91
MW-02	47.97	10/29/1999	11.33			36.7
MW-02	47.97	12/29/1999	10.66			37.37
MW-02	47.97	2/4/2000	13.19			34.84
MW-02	47.97	2/25/2000	9.57			38.46
MW-02	47.97	3/27/2000	7.73			40.3
MW-02	47.97	4/7/2000	7.30			40.73
MW-02	47.97	5/31/2000	7.33			40.7
MW-02	47.97	6/1/2000	7.31			40.72
MW-02	47.97	7/28/2000	7.35			40.68
MW-02	47.97	8/30/2000	10.55			37.48
MW-02	47.97	9/19/2000	11.93			36.1
MW-02	47.97	10/27/2000	9.04			38.99
MW-02	47.97	11/21/2000	8.66			39.37
MW-02	47.97	5/1/2001	6.91			41.12
MW-02	47.97	10/1/2001	8.22			39.81
MW-02	47.97	3/11/2002	3.33			44.7
MW-02	47.97	9/23/2002	3.16			44.87
MW-02	47.97	3/10/2003	2.54			45.43
MW-02	47.97	9/23/2003	3.29			44.68
MW-02	47.97	3/15/2004	2.87			45.1
MW-02	47.97	9/13/2004	8.71			39.26
MW-02	47.97	7/18/2005	2.98			44.99
MW-02	47.97	1/4/2006	8.77			39.2
MW-02	47.97	7/27/2006	2.87			45.1
MW-02	47.97	1/23/2007	2.34			45.63
MW-02	47.97	3/7/2007	2.23			45.74
MW-02	47.97	7/27/2007	4.40			43.57
MW-02	47.97	1/28/2008	2.42			45.55
MW-02	47.97	7/16/2008	7.72			40.25
MW-02	47.97	1/22/2009	6.31			41.66
MW-02	47.97	7/22/2009	7.56			40.41
MW-02	47.97	1/8/2010	3.91			44.06
MW-02	47.97	7/12/2010	4.37			43.6
MW-02	48.00	1/12/2011	3.63			44.37
MW-02	48.00	7/13/2011	10.28			37.72
MW-02	48.00	1/27/2012	2.67			45.33
MW-02	48.00	7/10/2013	10.58			37.42
MW-02	48.00	1/8/2014	5.47			42.53
MW-02	48.00	7/2/2014	7.51			40.49
MW-02	48.00	1/7/2015	2.41			45.59
MW-02	48.00	8/10/2015	4.96			43.04
MW-02	47.89	1/12/2016	2.91			44.98
MW-02	47.89	7/7/2016	6.12			41.77
MW-02	47.89	1/12/2017	4.62			43.27
MW-02	47.89	7/12/2017	6.82			41.07
MW-02	47.89	1/3/2018	6.87			41.02
MW-02	47.89	7/18/2018	6.62			
MW-02	47.89	1/3/2019	6.31			41.58
MW-02	47.89	7/1/2019	3.09			
MW-02	47.89	1/14/2020	2.42			45.47
MW-02	47.89	7/8/2020	5.79			42.10
MW-02	47.93	1/6/2021	2.67			45.26
MW-02	47.93	7/6/2021	3.17			44.76
MW-02	47.93	1/3/2022	4.57			43.36
MW-02	47.93	7/5/2022	7.31			40.62
MW-02	47.93	1/3/2023	3.41			44.52
MW-02	47.93	7/5/2023	7.27			40.66
MW-02	47.93	1/2/2024	5.77			42.16
MW-02	47.93	7/22/2024	2.59			45.34
MW-03	48.34	9/2/1993	8.17			40.17
MW-03	48.34	12/21/1993	3.81			44.53
MW-03	48.34	3/24/1994	4.74			43.6

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-03	48.34	6/22/1994	6.35			41.99
MW-03	48.34	9/28/1994	7.56			40.78
MW-03	48.34	10/13/1994	8.21			40.13
MW-03	48.34	1/24/1995	3.18			45.16
MW-03	48.34	4/11/1995	3.22			45.12
MW-03	48.34	7/11/1995	7.90			40.44
MW-03	48.34	1/23/1996	6.27			42.07
MW-03	48.34	7/19/1996	8.77			39.57
MW-03	48.34	9/17/1996	9.31			39.03
MW-03	48.34	10/31/1996	7.61			40.73
MW-03	48.34	11/22/1996	9.48			38.86
MW-03	48.34	12/27/1996	6.14			42.2
MW-03	48.34	1/22/1997	5.68			42.66
MW-03	48.34	2/21/1997	3.13			45.21
MW-03	48.34	3/25/1997	3.48			44.86
MW-03	48.34	4/23/1997	5.17			43.17
MW-03	48.34	4/24/1997	5.25			43.09
MW-03	48.34	5/13/1997	3.41			44.93
MW-03	48.34	6/20/1997	5.91			42.43
MW-03	48.34	6/25/1997	3.11			45.23
MW-03	48.34	7/1/1997	4.91			43.43
MW-03	48.34	7/24/1997	7.90			40.44
MW-03	48.34	8/16/1997	8.91			39.43
MW-03	48.34	8/22/1997	9.65			38.69
MW-03	48.34	9/25/1997	6.96			41.38
MW-03	48.34	10/22/1997	5.50			42.84
MW-03	48.34	11/25/1997	5.55			42.79
MW-03	48.34	12/19/1997	5.10			43.24
MW-03	48.34	1/20/1998	3.58			44.76
MW-03	48.34	3/3/1998	3.37			44.97
MW-03	48.34	3/18/1998	3.16			45.18
MW-03	48.34	4/24/1998	7.54			40.8
MW-03	48.34	5/21/1998	7.50			40.84
MW-03	48.34	7/30/1998	8.44			39.9
MW-03	48.34	8/25/1998	7.56			40.78
MW-03	48.34	9/21/1998	5.28			43.06
MW-03	48.34	10/26/1998	6.96			41.38
MW-03	48.34	11/23/1998	5.11			43.23
MW-03	48.34	1/29/1999	4.21			44.13
MW-03	48.34	2/26/1999	4.32			44.02
MW-03	48.34	3/16/1999	4.16			44.18
MW-03	48.34	4/29/1999	4.33			44.01
MW-03	48.34	6/1/1999	4.39			43.95
MW-03	48.34	7/30/1999	5.88			42.46
MW-03	48.34	8/27/1999	4.57			43.77
MW-03	48.34	9/27/1999	10.48			37.86
MW-03	48.34	10/29/1999	11.61			36.73
MW-03	48.34	12/29/1999	10.11			38.23
MW-03	48.34	2/4/2000	13.22			35.12
MW-03	48.34	2/25/2000	9.14			39.2
MW-03	48.34	3/27/2000	8.06			40.28
MW-03	48.34	4/7/2000	7.64			40.7
MW-03	48.34	5/31/2000	7.70			40.64
MW-03	48.34	6/1/2000	7.66			40.68
MW-03	48.34	7/28/2000	7.71			40.63
MW-03	48.34	8/30/2000	10.59			37.75
MW-03	48.34	9/19/2000	12.29			36.05
MW-03	48.34	10/27/2000	9.09			39.25
MW-03	48.34	11/21/2000	9.11			39.23
MW-03	48.34	5/1/2001	7.26			41.08
MW-03	48.34	10/1/2001	7.57			40.77
MW-03	48.34	3/11/2002	7.40			40.94
MW-03	48.34	9/23/2002	4.60			43.74
MW-03	48.34	3/10/2003	2.89			45.45
MW-03	48.34	9/23/2003	3.74			44.6
MW-03	48.34	3/15/2004	3.27			45.07
MW-03	48.34	9/13/2004	9.03			39.31
MW-03	48.34	7/18/2005	3.94			44.4
MW-03	48.34	1/4/2006	9.13			39.21
MW-03	48.34	7/27/2006	3.30			45.04
MW-03	48.34	3/7/2007	2.62			45.72
MW-03	48.34	7/27/2007	3.74			44.6
MW-03	48.34	1/30/2008	2.85			45.49

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-03	48.34	7/16/2008	7.96			40.38
MW-03	48.34	2/4/2009	7.18			41.16
MW-03	48.34	7/24/2009	7.63			40.71
MW-03	48.34	1/8/2010	5.06			43.28
MW-03	48.34	7/12/2010	3.86			44.48
MW-03	48.34	1/12/2011	3.71			44.63
MW-03	48.34	7/12/2011	6.42			41.92
MW-03	48.34	1/26/2012	NM			
MW-03	48.34	7/9/2012	4.06			44.28
MW-03	48.34	1/7/2013	5.09			43.25
MW-03	48.34	7/22/2013	8.24			40.1
MW-03	48.34	1/7/2014	8.09			40.25
MW-03	48.34	7/15/2014	8.78			39.56
MW-03	48.34	1/5/2015	7.06			41.28
MW-03	48.34	2/11/2018	5.29			43.05
MW-03	48.34	3/11/2018	5.72			42.62
MW-03	48.34	5/14/2018	5.61			42.73
MW-03	48.34	7/2/2018	5.93			42.41
MW-03	48.34	1/3/2019	5.03			43.31
MW-03	48.34	7/9/2019	5.57			42.77
MW-03	48.34	1/8/2020	3.06			45.28
MW-03	48.34	7/8/2020	6.08			42.26
MW-03	48.34	1/6/2021	2.71			45.63
MW-03	48.34	7/13/2021	2.51			45.83
MW-03	48.34	1/4/2022	5.06			43.28
MW-03	48.34	7/6/2022	6.72			41.62
MW-03	48.34	1/4/2023	2.19			46.15
MW-03	48.34	7/6/2023	4.36			43.98
MW-03	48.34	1/3/2024	4.31			44.03
MW-03	48.34	7/22/2024	2.84			45.5
MW-04	49.85	9/2/1993	8.57			41.28
MW-04	49.85	12/21/1993	5.42			44.43
MW-04	49.85	3/24/1994	5.85			44
MW-04	49.85	6/22/1994	6.77			43.08
MW-04	49.85	9/28/1994	8.18			41.67
MW-04	49.85	10/13/1994	8.93			40.92
MW-04	49.85	1/24/1995	4.72			45.13
MW-04	49.85	4/11/1995	4.57			45.28
MW-04	49.85	7/11/1995	6.47			43.38
MW-04	49.85	1/23/1996	7.85			42
MW-04	49.85	7/19/1996	9.62			40.23
MW-04	49.85	9/17/1996	10.09			39.76
MW-04	49.85	10/31/1996	7.93			41.92
MW-04	49.85	11/22/1996	10.62			39.23
MW-04	49.85	12/27/1996	8.06			41.79
MW-04	49.85	1/22/1997	6.07			43.78
MW-04	49.85	2/21/1997	4.86			44.99
MW-04	49.85	3/25/1997	5.16			44.69
MW-04	49.85	4/23/1997	6.25			43.6
MW-04	49.85	4/24/1997	6.45			43.4
MW-04	49.85	5/13/1997	5.07			44.78
MW-04	49.85	6/20/1997	6.69			43.16
MW-04	49.85	6/25/1997	4.68			45.17
MW-04	49.85	7/1/1997	5.91			43.94
MW-04	49.85	7/24/1997	8.61			41.24
MW-04	49.85	8/16/1997	9.62			40.23
MW-04	49.85	8/22/1997	10.35			39.5
MW-04	49.85	9/25/1997	8.13			41.72
MW-04	49.85	10/22/1997	7.23			42.62
MW-04	49.85	11/25/1997	7.25			42.6
MW-04	49.85	12/19/1997	6.76			43.09
MW-04	49.85	1/20/1998	5.40			44.45
MW-04	49.85	3/3/1998	5.00			44.85
MW-04	49.85	3/18/1998	4.82			45.03
MW-04	49.85	4/24/1998	8.63			41.22
MW-04	49.85	5/21/1998	9.30			40.55
MW-04	49.85	7/30/1998	10.19			39.66
MW-04	49.85	8/25/1998	9.05			40.8
MW-04	49.85	9/21/1998	7.05			42.8
MW-04	49.85	10/26/1998	8.12			41.73
MW-04	49.85	11/23/1998	6.01			43.84
MW-04	49.85	1/29/1999	5.19			44.66
MW-04	49.85	2/26/1999	5.22			44.63

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-04	49.85	3/16/1999	6.21			43.64
MW-04	49.85	4/29/1999	6.33			43.52
MW-04	49.85	6/1/1999	6.39			43.46
MW-04	49.85	7/30/1999	7.79			42.06
MW-04	49.85	8/27/1999	6.51			43.34
MW-04	49.85	9/27/1999	11.32			38.53
MW-04	49.85	10/29/1999	12.21			37.64
MW-04	49.85	12/29/1999	11.52			38.33
MW-04	49.85	2/4/2000	14.33			35.52
MW-04	49.85	2/25/2000	10.63			39.22
MW-04	49.85	3/27/2000	9.38			40.47
MW-04	49.85	4/7/2000	9.09			40.76
MW-04	49.85	5/31/2000	9.13			40.72
MW-04	49.85	6/1/2000	9.10			40.75
MW-04	49.85	7/28/2000	9.18			40.67
MW-04	49.85	8/30/2000	12.17			37.68
MW-04	49.85	9/19/2000	13.39			36.46
MW-04	49.85	10/27/2000	10.69			39.16
MW-04	49.85	11/21/2000	9.61			40.24
MW-04	49.85	5/1/2001	8.41			41.44
MW-04	49.85	10/1/2001	8.68			41.17
MW-04	49.85	3/11/2002	5.41			44.44
MW-04	49.85	9/23/2002	5.29			44.56
MW-04	49.85	3/10/2003	4.36			45.49
MW-04	49.85	9/23/2003	5.28			44.57
MW-04	49.85	3/15/2004	4.80			45.05
MW-04	49.85	9/13/2004	9.80			40.05
MW-04	49.85	7/18/2005	5.84			44.01
MW-04	49.85	1/4/2006	10.48			39.37
MW-04	49.85	7/27/2006	5.30			44.55
MW-04	49.85	3/7/2007	4.10			45.75
MW-04	49.85	7/27/2007	5.36			44.49
MW-04	49.85	1/29/2008	4.18			45.67
MW-04	49.85	7/16/2008	8.66			41.19
MW-04	49.85	2/4/2009	8.93			40.92
MW-04	49.85	7/24/2009	9.27			40.58
MW-04	49.85	1/8/2010	6.34			43.51
MW-04	49.85	7/12/2010	5.02			44.83
MW-04	49.85	1/12/2011	5.26			44.59
MW-04	49.85	7/12/2011	8.06			41.79
MW-04	49.85	1/26/2012	NM			
MW-04	49.85	7/9/2012	3.74			46.11
MW-04	49.85	1/7/2013	4.62			45.23
MW-04	49.85	7/22/2013	7.59			42.26
MW-04	49.85	1/7/2014	7.16			42.69
MW-04	49.85	7/15/2014	7.62			42.23
MW-04	49.85	1/5/2015	6.12			43.73
MW-04	49.85	8/10/2015	4.26			45.59
MW-04	49.85	1/13/2016	3.92			45.93
MW-04	49.85	7/6/2016	4.31			45.54
MW-04	49.85	1/12/2017	4.67			45.18
MW-04	49.85	7/6/2017	5.12			44.73
MW-04	49.85	9/5/2017	5.01			44.84
MW-04	49.85	2/11/2018	5.12			44.73
MW-04	49.85	3/11/2018	5.67			44.18
MW-04	49.85	5/14/2018	6.06			43.79
MW-04	49.85	7/2/2018	6.42			43.43
MW-04	49.85	1/3/2019	5.52			44.33
MW-04	49.85	7/9/2019	6.02			43.83
MW-04	49.85	1/8/2020	4.64			45.21
MW-04	49.85	7/8/2020	7.2			42.65
MW-04	49.85	1/6/2021	4.52			45.33
MW-04	49.85	7/13/2021	3.86			45.99
MW-04	49.85	1/4/2022	5.51			44.34
MW-04	49.85	7/6/2022	6.87			42.98
MW-04	49.85	1/4/2023	4.06			45.79
MW-04	49.85	7/6/2023	6.02			43.83
MW-04	49.85	1/3/2024	5.91			43.94
MW-04	49.85	7/22/2024	4.11			45.74
MW-05	49.24	9/2/1993	4.90			44.34
MW-05	49.24	12/21/1993	2.21			47.03
MW-05	49.24	3/24/1994	2.30			46.94
MW-05	49.24	6/22/1994	2.80			46.44

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-05	49.24	9/28/1994	3.90			45.34
MW-05	49.24	10/13/1994	5.05			44.19
MW-05	49.24	1/24/1995	1.36			47.88
MW-05	49.24	4/11/1995	3.90			45.34
MW-05	49.24	7/11/1995	5.33			43.91
MW-05	49.24	1/23/1996	7.42			41.82
MW-05	49.24	7/19/1996	8.61			40.63
MW-05	49.24	9/17/1996	9.01			40.23
MW-05	49.24	10/31/1996	7.84			41.4
MW-05	49.24	11/22/1996	9.68			39.56
MW-05	49.24	12/27/1996	7.66			41.58
MW-05	49.24	1/22/1997	5.89			43.35
MW-05	49.24	2/21/1997	4.45			44.79
MW-05	49.24	3/25/1997	4.65			44.59
MW-05	49.24	4/23/1997	5.53			43.71
MW-05	49.24	4/24/1997	5.68			43.56
MW-05	49.24	5/13/1997	4.39			44.85
MW-05	49.24	6/20/1997	5.67			43.57
MW-05	49.24	6/25/1997	3.97			45.27
MW-05	49.24	7/1/1997	5.06			44.18
MW-05	49.24	7/24/1997	7.46			41.78
MW-05	49.24	8/16/1997	8.57			40.67
MW-05	49.24	8/22/1997	9.20			40.04
MW-05	49.24	9/25/1997	7.28			41.96
MW-05	49.24	10/22/1997	6.70			42.54
MW-05	49.24	11/25/1997	6.70			42.54
MW-05	49.24	12/19/1997	6.26			42.98
MW-05	49.24	1/20/1998	5.05			44.19
MW-05	49.24	3/4/1998	4.54			44.7
MW-05	49.24	3/18/1998	4.36			44.88
MW-05	49.24	4/24/1998	7.67			41.57
MW-05	49.24	5/21/1998	8.80			40.44
MW-05	49.24	7/30/1998	9.90			39.34
MW-05	49.24	8/25/1998	8.86			40.38
MW-05	49.24	9/21/1998	6.59			42.65
MW-05	49.24	10/26/1998	7.77			41.47
MW-05	49.24	11/23/1998	5.79			43.45
MW-05	49.24	1/29/1999	4.88			44.36
MW-05	49.24	2/26/1999	4.96			44.28
MW-05	49.24	3/16/1999	5.81			43.43
MW-05	49.24	4/29/1999	5.91			43.33
MW-05	49.24	6/1/1999	5.99			43.25
MW-05	49.24	7/30/1999	7.00			42.24
MW-05	49.24	8/27/1999	6.13			43.11
MW-05	49.24	9/27/1999	10.17			39.07
MW-05	49.24	10/29/1999	11.65			37.59
MW-05	49.24	12/29/1999	10.90			38.34
MW-05	49.24	2/4/2000	13.77			35.47
MW-05	49.24	2/25/2000	9.46			39.78
MW-05	49.24	3/27/2000	8.62			40.62
MW-05	49.24	4/7/2000	8.20			41.04
MW-05	49.24	5/31/2000	8.26			40.98
MW-05	49.24	6/1/2000	8.21			41.03
MW-05	49.24	7/28/2000	8.26			40.98
MW-05	49.24	8/30/2000	11.33			37.91
MW-05	49.24	9/19/2000	12.33			36.91
MW-05	49.24	10/27/2000	9.94			39.3
MW-05	49.24	11/21/2000	9.21			40.03
MW-05	49.24	5/1/2001	7.47			41.77
MW-05	49.24	10/1/2001	7.79			41.45
MW-05	49.24	3/11/2002	4.92			44.32
MW-05	49.24	9/23/2002	4.76			44.48
MW-05	49.24	3/10/2003	3.77			45.47
MW-05	49.24	9/23/2003	4.61			44.63
MW-05	49.24	3/15/2004	4.22			45.02
MW-05	49.24	9/13/2004	8.58			40.66
MW-05	49.24	7/18/2005	5.61			43.63
MW-05	49.24	1/4/2006	9.76			39.48
MW-05	49.24	7/27/2006	4.85			44.39
MW-05	49.24	3/7/2007	5.94			43.3
MW-05	49.24	7/27/2007	4.53			44.71
MW-05	49.24	1/29/2008	3.71			45.53
MW-05	49.24	7/15/2008	7.77			41.47

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-05	49.24	2/4/2009	8.33			40.91
MW-05	49.24	7/24/2009	8.67			40.57
MW-05	49.24	1/8/2010	6.06			43.18
MW-05	49.24	7/12/2010	4.86			44.38
MW-05	49.24	1/12/2011	5.06			44.18
MW-05	49.24	7/12/2011	10.96			38.28
MW-05	49.24	2/2/2012	4.9			44.34
MW-05	49.24	7/9/2012	4.61			44.63
MW-05	49.24	1/7/2013	7.58			41.66
MW-05	49.24	7/22/2013	10.44			38.8
MW-05	49.24	1/7/2014	6.92			42.32
MW-05	49.24	7/16/2014	8.46			40.78
MW-05	49.24	1/5/2015	5.96			43.28
MW-05	49.24	8/10/2015	4.13			45.11
MW-05	49.24	1/13/2016	3.76			45.48
MW-05	49.24	7/7/2016	3.94			45.30
MW-05	49.24	1/12/2017	4.31			44.93
MW-05	49.24	7/6/2017	4.84			44.40
MW-05	49.24	9/5/2017	4.71			44.53
MW-05	49.24	2/11/2018	5.56			43.68
MW-05	49.24	3/11/2018	5.98			43.26
MW-05	49.24	5/14/2018	6.57			42.67
MW-05	49.24	7/2/2018	6.83			42.41
MW-05	49.24	1/3/2019	6.07			43.17
MW-05	49.24	7/9/2019	6.56			42.68
MW-05	49.24	1/7/2020	4.69			44.55
MW-05	49.24	7/8/2020	6.11			43.13
MW-05	49.24	1/6/2021	4.2			45.04
MW-05	49.24	7/13/2021	2.89			46.35
MW-05	49.24	1/4/2022	5.13			44.11
MW-05	49.24	7/6/2022	7.22			42.02
MW-05	49.24	1/4/2023	4.72			44.52
MW-05	49.24	7/6/2023	6.31			42.93
MW-05	49.24	1/3/2024	4.67			44.57
MW-05	49.24	7/22/2024	3.55			45.69
MW-07	48.86	9/2/1993	8.09			40.77
MW-07	48.86	12/21/1993	4.60			44.26
MW-07	48.86	3/24/1994	5.06			43.8
MW-07	48.86	6/22/1994	6.03			42.83
MW-07	48.86	9/28/1994	7.52			41.34
MW-07	48.86	10/13/1994	8.13			40.73
MW-07	48.86	1/24/1995	3.81			45.05
MW-07	48.86	4/11/1995	3.41			45.45
MW-07	48.86	7/11/1995	5.74			43.12
MW-07	48.86	1/23/1996	6.99			41.87
MW-07	48.86	7/19/1996	8.89			39.97
MW-07	48.86	9/17/1996	9.41			39.45
MW-07	48.86	10/31/1996	8.04			40.82
MW-07	48.86	11/22/1996	9.94			38.92
MW-07	48.86	12/27/1996	7.30			41.56
MW-07	48.86	1/22/1997	5.25			43.61
MW-07	48.86	2/21/1997	4.00			44.86
MW-07	48.86	3/25/1997	4.32			44.54
MW-07	48.86	4/23/1997	5.51			43.35
MW-07	48.86	4/24/1997	5.67			43.19
MW-07	48.86	5/13/1997	4.26			44.6
MW-07	48.86	6/20/1997	6.00			42.86
MW-07	48.86	6/25/1997	3.86			45
MW-07	48.86	7/1/1997	5.21			43.65
MW-07	48.86	7/24/1997	7.99			40.87
MW-07	48.86	8/16/1997	8.92			39.94
MW-07	48.86	8/22/1997	9.72			39.14
MW-07	48.86	9/25/1997	7.50			41.36
MW-07	48.86	10/22/1997	6.48			42.38
MW-07	48.86	11/25/1997	6.50			42.36
MW-07	48.86	12/19/1997	6.12			42.74
MW-07	48.86	1/20/1998	4.52			44.34
MW-07	48.86	3/4/1998	4.14			44.72
MW-07	48.86	3/18/1998	3.94			44.92
MW-07	48.86	4/24/1998	7.85			41.01
MW-07	48.86	5/21/1998	8.61			40.25
MW-07	48.86	7/30/1998	9.54			39.32
MW-07	48.86	8/25/1998	8.63			40.23

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-07	48.86	9/21/1998	6.34			42.52
MW-07	48.86	10/26/1998	7.56			41.3
MW-07	48.86	11/23/1998	5.91			42.95
MW-07	48.86	1/29/1999	4.71			44.15
MW-07	48.86	2/26/1999	4.76			44.1
MW-07	48.86	3/16/1999	5.32			43.54
MW-07	48.86	4/29/1999	5.41			43.45
MW-07	48.86	6/1/1999	5.49			43.37
MW-07	48.86	7/30/1999	6.98			41.88
MW-07	48.86	8/27/1999	5.61			43.25
MW-07	48.86	9/27/1999	10.64			38.22
MW-07	48.86	10/29/1999	11.56			37.3
MW-07	48.86	12/29/1999	9.90			38.96
MW-07	48.86	2/4/2000	14.21			34.65
MW-07	48.86	2/25/2000	8.86			40
MW-07	48.86	3/27/2000	8.62			40.24
MW-07	48.86	4/7/2000	8.15			40.71
MW-07	48.86	5/31/2000	8.21			40.65
MW-07	48.86	6/1/2000	8.22			40.64
MW-07	48.86	7/28/2000	8.29			40.57
MW-07	48.86	8/30/2000	11.55			37.31
MW-07	48.86	9/19/2000	12.65			36.21
MW-07	48.86	10/27/2000	10.00			38.86
MW-07	48.86	11/21/2000	9.46			39.4
MW-07	48.86	5/1/2001	7.64			41.22
MW-07	48.86	10/1/2001	8.00			40.86
MW-07	48.86	3/11/2002	4.56			44.3
MW-07	48.86	9/23/2002	4.69			44.17
MW-07	48.86	3/10/2003	3.52			45.34
MW-07	48.86	9/23/2003	4.70			44.16
MW-07	48.86	3/15/2004	3.89			44.97
MW-07	48.86	9/13/2004	9.04			39.82
MW-07	48.86	7/18/2005	5.27			43.59
MW-07	48.86	1/4/2006	9.91			38.95
MW-07	48.86	7/27/2006	4.60			44.26
MW-07	48.86	1/23/2007	3.46			45.4
MW-07	48.86	3/7/2007	3.82			45.04
MW-07	48.86	7/27/2007	4.94			43.92
MW-07	48.86	1/29/2008	3.39			45.47
MW-07	48.86	7/16/2008	7.94			40.92
MW-07	48.86	1/22/2009	7.49			41.37
MW-07	48.86	7/24/2009	NM			
MW-07	48.86	1/8/2010	4.02			44.84
MW-07	48.86	7/12/2010	4.72			44.14
MW-07	48.92	1/12/2011	4.56			44.36
MW-07	48.92	7/12/2011	10.91			38.01
MW-07	48.92	1/27/2012	3.86			45.06
MW-07	48.92	7/10/2013	10.62			38.30
MW-07	48.92	1/8/2014	6.42			42.50
MW-07	48.92	7/3/2014	7.61			41.31
MW-07	48.92	1/7/2015	3.46			45.46
MW-07	48.92	8/10/2015	5.01			43.91
MW-07	48.91	1/12/2016	3.09			45.82
MW-07	48.91	7/7/2016	6.72			42.19
MW-07	48.91	1/12/2017	5.81			43.10
MW-07	48.91	7/12/2017	7.71			41.20
MW-07	48.91	1/3/2018	7.87			41.04
MW-07	48.91	7/19/2018	6.93			41.98
MW-07	48.91	1/3/2019	7.32			41.59
MW-07	48.91	7/1/2019	3.93			44.98
MW-07	48.91	1/13/2020	4.29			44.62
MW-07	48.91	7/8/2020	6.48			42.43
MW-07	48.87	1/6/2021	3.83			45.04
MW-07	48.87	7/6/2021	3.21			45.66
MW-07	48.87	1/3/2022	5.11			43.76
MW-07	48.87	7/5/2022	7.68			41.19
MW-07	48.87	1/3/2023	4.29			44.58
MW-07	48.87	7/5/2023	7.41			41.46
MW-07	48.87	1/2/2024	5.11			43.76
MW-07	48.87	7/22/2024	3.35			45.52
MW-08	49.33	9/2/1993	8.18			41.19
MW-08	49.33	12/21/1993	5.02			44.35
MW-08	49.33	3/24/1994	5.53			43.84

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-08	49.33	6/22/1994	6.38			42.99
MW-08	49.33	9/28/1994	7.72			41.65
MW-08	49.33	10/13/1994	8.43			40.94
MW-08	49.33	1/24/1995	4.15			45.22
MW-08	49.33	4/11/1995	4.02			45.35
MW-08	49.33	7/11/1995	5.95			43.42
MW-08	49.33	1/23/1996	7.20			42.17
MW-08	49.33	7/19/1996	9.06			40.31
MW-08	49.33	9/17/1996	9.51			39.86
MW-08	49.33	10/31/1996	7.99			41.38
MW-08	49.33	11/22/1996	9.98			39.39
MW-08	49.33	12/27/1996	7.24			42.13
MW-08	49.33	1/22/1997	5.25			44.12
MW-08	49.33	2/21/1997	4.21			45.16
MW-08	49.33	3/25/1997	4.48			44.89
MW-08	49.33	4/23/1997	5.61			43.76
MW-08	49.33	4/24/1997	5.76			43.61
MW-08	49.33	5/13/1997	4.45			44.92
MW-08	49.33	6/20/1997	6.09			43.28
MW-08	49.33	6/25/1997	4.56			44.81
MW-08	49.33	7/1/1997	5.06			44.31
MW-08	49.33	7/24/1997	7.97			41.4
MW-08	49.33	8/16/1997	8.05			41.32
MW-08	49.33	8/22/1997	9.73			39.64
MW-08	49.33	9/25/1997	7.57			41.8
MW-08	49.33	10/22/1997	6.43			42.94
MW-08	49.33	11/25/1997	6.48			42.89
MW-08	49.33	12/19/1997	5.22			44.15
MW-08	49.33	1/20/1998	4.70			44.67
MW-08	49.33	3/4/1998	4.38			44.99
MW-08	49.33	3/18/1998	4.18			45.19
MW-08	49.33	4/24/1998	8.00			41.37
MW-08	49.33	5/21/1998	8.45			40.92
MW-08	49.33	7/30/1998	9.33			40.04
MW-08	49.33	8/25/1998	8.46			40.91
MW-08	49.33	9/21/1998	6.31			43.06
MW-08	49.33	10/26/1998	7.66			41.71
MW-08	49.33	11/23/1998	5.96			43.41
MW-08	49.33	1/29/1999	4.80			44.57
MW-08	49.33	2/26/1999	4.89			44.48
MW-08	49.33	3/16/1999	5.45			43.92
MW-08	49.33	4/29/1999	5.66			43.71
MW-08	49.33	6/1/1999	5.66			43.71
MW-08	49.33	7/30/1999	7.20			42.17
MW-08	49.33	8/27/1999	5.85			43.52
MW-08	49.33	9/27/1999	10.78			38.59
MW-08	49.33	10/29/1999	11.76			37.61
MW-08	49.33	12/29/1999	11.03			38.34
MW-08	49.33	2/4/2000	14.66			34.71
MW-08	49.33	2/25/2000	10.33			39.04
MW-08	49.33	3/27/2000	8.75			40.62
MW-08	49.33	4/7/2000	8.37			41
MW-08	49.33	5/31/2000	8.40			40.97
MW-08	49.33	6/1/2000	8.36			41.01
MW-08	49.33	7/28/2000	8.40			40.97
MW-08	49.33	8/30/2000	11.29			38.08
MW-08	49.33	9/19/2000	12.82			36.55
MW-08	49.33	10/27/2000	12.63			36.74
MW-08	49.33	11/21/2000	9.64			39.73
MW-08	49.33	5/1/2001	7.83			41.54
MW-08	49.33	10/1/2001	8.05			41.32
MW-08	49.33	3/11/2002	4.75			44.62
MW-08	49.33	9/23/2002	4.69			44.68
MW-08	49.33	3/10/2003	3.84			45.49
MW-08	49.33	9/23/2003	4.73			44.6
MW-08	49.33	3/15/2004	4.31			45.02
MW-08	49.33	9/13/2004	9.31			40.02
MW-08	49.33	7/18/2005	5.32			44.01
MW-08	49.33	1/4/2006	10.63			38.7
MW-08	49.33	7/27/2006	4.79			44.54
MW-08	49.33	1/22/2007	3.81			45.52
MW-08	49.33	3/7/2007	3.96			45.37
MW-08	49.33	7/27/2007	5.06			44.27

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-08	49.33	1/29/2008	3.71			45.62
MW-08	49.33	7/16/2008	8.32			41.01
MW-08	49.33	1/22/2009	7.71			41.62
MW-08	49.33	7/24/2009	NM			
MW-08	49.33	1/8/2010	4.17			45.16
MW-08	49.33	7/12/2010	4.96			44.37
MW-08	49.33	1/12/2011	5.32			44.01
MW-08	49.33	7/12/2011	11.24			38.09
MW-08	49.33	1/27/2012	4.68			44.65
MW-08	49.33	7/10/2013	11.07			38.26
MW-08	49.33	1/8/2014	6.87			42.46
MW-08	49.33	7/3/2014	8.16			41.17
MW-08	49.33	1/7/2015	3.82			45.51
MW-08	49.33	8/10/2015	5.06			44.27
MW-08	49.33	1/12/2016	3.87			45.46
MW-08	49.33	7/7/2016	6.44			42.89
MW-08	49.33	1/12/2017	5.82			43.51
MW-08	49.33	7/12/2017	7.92			41.41
MW-08	49.33	1/3/2018	8.02			41.31
MW-08	49.33	7/19/2018	7.22			42.11
MW-08	49.33	1/3/2019	7.52			41.81
MW-08	49.33	7/1/2019	3.98			45.35
MW-08	49.33	1/13/2020	4.45			44.88
MW-08	49.33	7/8/2020	6.59			42.74
MW-08	49.30	1/6/2021	4.09			45.21
MW-08	49.30	7/6/2021	3.52			45.78
MW-08	49.30	1/3/2022	5.38			43.92
MW-08	49.30	7/5/2022	7.78			41.52
MW-08	49.30	1/3/2023	4.91			44.39
MW-08	49.30	7/5/2023	7.81			41.49
MW-08	49.30	1/2/2024	5.51			43.79
MW-08	49.30	7/22/2024	3.84			45.46
MW-09	49.26	9/2/1993	7.43			41.86
MW-09	49.26	12/21/1993	4.89			44.4
MW-09	49.26	3/24/1994	4.92			44.37
MW-09	49.26	6/22/1994	5.51			43.78
MW-09	49.26	9/28/1994	6.90			42.39
MW-09	49.26	10/13/1994	7.66			41.63
MW-09	49.26	1/24/1995	4.10			45.19
MW-09	49.26	4/11/1995	3.74			45.55
MW-09	49.26	7/11/1995	5.08			44.21
MW-09	49.26	1/23/1996	7.09			42.2
MW-09	49.26	7/19/1996	8.27			41.02
MW-09	49.26	9/17/1996	8.58			40.71
MW-09	49.26	10/31/1996	7.27			42.02
MW-09	49.26	11/22/1996	9.17			40.12
MW-09	49.26	12/27/1996	7.05			42.24
MW-09	49.26	1/22/1997	5.42			43.87
MW-09	49.26	2/21/1997	4.09			45.2
MW-09	49.26	3/25/1997	4.17			45.12
MW-09	49.26	4/23/1997	5.05			44.24
MW-09	49.26	4/24/1997	5.21			44.08
MW-09	49.26	5/13/1997	4.16			45.13
MW-09	49.26	6/20/1997	5.32			43.97
MW-09	49.26	6/25/1997	3.80			45.49
MW-09	49.26	7/1/1997	4.57			44.72
MW-09	49.26	7/24/1997	7.03			42.26
MW-09	49.26	8/16/1997	8.26			41.03
MW-09	49.26	8/22/1997	8.67			40.62
MW-09	49.26	9/25/1997	6.99			42.3
MW-09	49.26	10/22/1997	6.10			43.19
MW-09	49.26	11/25/1997	6.12			43.17
MW-09	49.26	12/19/1997	5.62			43.67
MW-09	49.26	1/20/1998	4.60			44.69
MW-09	49.26	3/4/1998	4.15			45.14
MW-09	49.26	3/18/1998	4.02			45.27
MW-09	49.26	4/24/1998	7.32			41.97
MW-09	49.26	5/21/1998	8.10			41.19
MW-09	49.26	7/30/1998	9.12			40.17
MW-09	49.26	8/25/1998	8.41			40.88
MW-09	49.26	9/21/1998	6.11			43.18
MW-09	49.26	10/26/1998	7.61			41.68
MW-09	49.26	11/23/1998	5.43			43.86

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-09	49.26	1/29/1999	4.60			44.69
MW-09	49.26	2/26/1999	4.68			44.61
MW-09	49.26	3/16/1999	5.46			43.83
MW-09	49.26	4/29/1999	5.66			43.63
MW-09	49.26	6/1/1999	5.66			43.63
MW-09	49.26	7/30/1999	7.11			42.18
MW-09	49.26	8/27/1999	5.86			43.43
MW-09	49.26	9/27/1999	9.81			39.48
MW-09	49.26	10/29/1999	10.63			38.66
MW-09	49.26	12/29/1999	9.99			39.3
MW-09	49.26	2/4/2000	12.44			36.85
MW-09	49.26	2/25/2000	8.88			40.41
MW-09	49.26	3/27/2000	8.22			41.07
MW-09	49.26	4/7/2000	8.10			41.19
MW-09	49.26	5/31/2000	8.15			41.14
MW-09	49.26	6/1/2000	8.00			41.29
MW-09	49.26	7/28/2000	8.11			41.18
MW-09	49.26	8/30/2000	11.10			38.19
MW-09	49.26	9/19/2000	11.91			37.38
MW-09	49.26	10/27/2000	9.84			39.45
MW-09	49.26	11/21/2000	8.89			40.4
MW-09	49.26	5/1/2001	7.16			42.13
MW-09	49.26	10/1/2001	7.39			41.9
MW-09	49.26	3/11/2002	4.61			44.68
MW-09	49.26	9/23/2002	4.45			44.84
MW-09	49.26	3/10/2003	3.59			45.67
MW-09	49.26	9/23/2003	4.31			44.95
MW-09	49.26	3/15/2004	4.18			45.08
MW-09	49.26	9/13/2004	8.39			40.87
MW-09	49.26	7/18/2005	5.53			43.73
MW-09	49.26	1/4/2006	9.46			39.8
MW-09	49.26	7/27/2006	4.85			44.41
MW-09	49.26	3/7/2007	5.58			43.68
MW-09	49.26	7/27/2007	3.78			45.48
MW-09	49.26	1/29/2008	3.52			45.74
MW-09	49.26	7/15/2008	7.04			42.22
MW-09	49.26	2/4/2009	8.01			41.25
MW-09	49.26	7/24/2009	8.34			40.92
MW-09	49.26	1/8/2010	5.89			43.37
MW-09	49.26	7/12/2010	4.32			44.94
MW-09	49.26	1/12/2011	4.61			44.65
MW-09	49.26	7/12/2011	10.71			38.55
MW-09	49.26	1/26/2012	4.73			44.53
MW-09	49.26	7/9/2012	4.23			45.03
MW-09	49.26	1/7/2013	6.73			42.53
MW-09	49.26	7/22/2013	9.16			40.1
MW-09	49.26	1/7/2014	8.72			40.54
MW-09	49.26	7/16/2014	8.17			41.09
MW-09	49.26	1/5/2015	8.01			41.25
MW-09	49.26	8/10/2015	6.17			43.09
MW-09	49.26	1/13/2016	5.81			43.45
MW-09	49.26	7/6/2016	6.14			43.12
MW-09	49.26	1/12/2017	6.71			42.55
MW-09	49.26	7/6/2017	7.09			42.17
MW-09	49.26	9/5/2017	7.06			42.20
MW-09	49.26	2/11/2018	5.16			44.10
MW-09	49.26	3/11/2018	6.01			43.25
MW-09	49.26	5/14/2018	6.21			43.05
MW-09	49.26	7/2/2018	6.67			42.59
MW-09	49.26	1/3/2019	5.61			43.65
MW-09	49.26	7/9/2019	6.21			43.05
MW-09	49.26	1/7/2020	4.11			45.15
MW-09	49.26	7/8/2020	6.01			43.25
MW-09	49.26	1/6/2021	3.98			45.28
MW-09	49.26	7/13/2021	2.89			46.37
MW-09	49.26	1/4/2022	5.06			44.2
MW-09	49.26	7/6/2022	7.06			42.2
MW-09	49.26	1/4/2023	4.43			44.83
MW-09	49.26	7/6/2023	6.29			42.97
MW-09	49.26	1/3/2024	4.59			44.67
MW-09	49.26	7/22/2024	3.45			45.81
MW-10A	49.86	9/28/1994	8.69			41.21
MW-10A	49.86	10/13/1994	9.36			40.54

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-10A	49.86	1/24/1995	4.62			45.28
MW-10A	49.86	4/11/1995	4.60			45.3
MW-10A	49.86	7/11/1995	7.00			42.9
MW-10A	49.86	1/23/1996	7.74			42.16
MW-10A	49.86	7/19/1996	9.98			39.92
MW-10A	49.86	9/17/1996	10.54			39.36
MW-10A	49.86	10/31/1996	7.94			41.96
MW-10A	49.86	11/22/1996	10.82			39.08
MW-10A	49.86	12/27/1996	7.81			42.09
MW-10A	49.86	1/22/1997	5.45			44.45
MW-10A	49.86	2/21/1997	4.63			45.27
MW-10A	49.86	3/25/1997	5.01			44.89
MW-10A	49.86	4/23/1997	6.39			43.51
MW-10A	49.86	4/24/1997	6.58			43.32
MW-10A	49.86	5/13/1997	4.93			44.97
MW-10A	49.86	6/20/1997	7.08			42.82
MW-10A	49.86	6/25/1997	4.58			45.32
MW-10A	49.86	7/1/1997	6.13			43.77
MW-10A	49.86	7/24/1997	9.11			40.79
MW-10A	49.86	8/16/1997	10.10			39.8
MW-10A	49.86	8/22/1997	10.81			39.09
MW-10A	49.86	9/25/1997	8.47			41.43
MW-10A	49.86	10/22/1997	7.02			42.88
MW-10A	49.86	11/25/1997	7.05			42.85
MW-10A	49.86	12/19/1997	6.89			43.01
MW-10A	49.86	1/20/1998	5.10			44.8
MW-10A	49.86	3/3/1998	4.87			45.03
MW-10A	49.86	3/18/1998	4.65			45.25
MW-10A	49.86	4/24/1998	8.84			41.06
MW-10A	49.86	5/21/1998	9.10			40.8
MW-10A	49.86	7/30/1998	10.23			39.67
MW-10A	49.86	8/25/1998	9.11			40.79
MW-10A	49.86	9/21/1998	6.82			43.08
MW-10A	49.86	10/26/1998	8.19			41.71
MW-10A	49.86	11/23/1998	6.12			43.78
MW-10A	49.86	1/29/1999	5.61			44.29
MW-10A	49.86	2/26/1999	5.69			44.21
MW-10A	49.86	3/16/1999	5.91			43.99
MW-10A	49.86	4/29/1999	6.11			43.79
MW-10A	49.86	6/1/1999	6.10			43.8
MW-10A	49.86	7/30/1999	7.70			42.2
MW-10A	49.86	8/27/1999	6.31			43.59
MW-10A	49.86	9/27/1999	11.73			38.17
MW-10A	49.86	10/29/1999	12.69			37.21
MW-10A	49.86	12/29/1999	12.00			37.9
MW-10A	49.86	2/4/2000	14.30			35.6
MW-10A	49.86	2/25/2000	11.44			38.46
MW-10A	49.86	3/27/2000	9.57			40.33
MW-10A	49.86	4/7/2000	9.27			40.63
MW-10A	49.86	5/31/2000	9.31			40.59
MW-10A	49.86	6/1/2000	9.10			40.8
MW-10A	49.86	7/28/2000	9.30			40.6
MW-10A	49.86	8/30/2000	12.09			37.81
MW-10A	49.86	9/19/2000	13.70			36.2
MW-10A	49.86	10/27/2000	10.69			39.21
MW-10A	49.86	11/21/2000	10.49			39.41
MW-10A	49.86	5/1/2001	8.64			41.26
MW-10A	49.86	10/1/2001	8.93			40.97
MW-10A	49.86	3/11/2002	5.30			44.6
MW-10A	49.86	9/23/2002	5.19			44.71
MW-10A	49.86	3/10/2003	4.43			45.43
MW-10A	49.86	9/23/2003	5.31			44.55
MW-10A	49.86	3/15/2004	4.69			45.17
MW-10A	49.86	9/13/2004	10.30			39.56
MW-10A	49.86	7/18/2005	5.57			44.29
MW-10A	49.86	1/4/2006	9.68			40.18
MW-10A	49.86	7/27/2006	5.01			44.85
MW-10A	49.86	1/23/2007	4.29			45.57
MW-10A	49.86	3/7/2007	4.13			45.73
MW-10A	49.86	7/27/2007	6.03			43.83
MW-10A	49.86	1/28/2008	4.22			45.64
MW-10A	49.86	7/16/2008	9.31			40.55
MW-10A	49.86	1/22/2009	8.27			41.59

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-10A	49.86	7/24/2009	NM			
MW-10A	49.86	1/8/2010	4.64			45.22
MW-10A	49.86	7/12/2010	5.23			44.63
MW-10A	49.82	1/12/2011	5.72			44.10
MW-10A	49.82	7/12/2011	12.07			37.75
MW-10A	49.82	7/13/2011	11.96			37.86
MW-10A	49.82	1/27/2012	4.88			44.94
MW-10A	49.82	7/10/2013	12.07			37.75
MW-10A	49.82	1/8/2014	7.33			42.49
MW-10A	49.82	7/2/2014	8.92			40.90
MW-10A	49.82	1/7/2015	4.26			45.56
MW-10A	49.82	8/10/2015	6.02			43.80
MW-10A	49.83	1/12/2016	4.41			45.42
MW-10A	49.83	7/7/2016	7.36			42.47
MW-10A	49.83	1/12/2017	6.69			43.14
MW-10A	49.83	7/12/2017	8.23			41.60
MW-10A	49.83	1/3/2018	8.63			41.20
MW-10A	49.83	7/18/2018	7.97			41.86
MW-10A	49.83	1/3/2019	8.09			41.74
MW-10A	49.83	7/1/2019	4.69			45.14
MW-10A	49.83	1/14/2020	4.68			45.15
MW-10A	49.83	7/8/2020	7.46			42.37
MW-10A	49.91	1/6/2021	4.62			45.29
MW-10A	49.91	7/6/2021	3.96			45.95
MW-10A	49.91	1/3/2022	5.96			43.95
MW-10A	49.91	7/5/2022	8.92			40.99
MW-10A	49.91	1/3/2023	5.37			44.54
MW-10A	49.91	7/5/2023	8.83			41.08
MW-10A	49.91	1/2/2024	7.13			42.78
MW-10A	49.91	7/22/2024	4.47			45.44
MW-10B	49.94	9/28/1994	8.77			41.2
MW-10B	49.94	10/13/1994	9.45			40.52
MW-10B	49.94	1/24/1995	4.72			45.25
MW-10B	49.94	4/11/1995	4.72			45.25
MW-10B	49.94	7/11/1995	7.13			42.84
MW-10B	49.94	1/23/1996	7.84			42.13
MW-10B	49.94	7/19/1996	10.27			39.7
MW-10B	49.94	9/17/1996	10.64			39.33
MW-10B	49.94	10/31/1996	8.01			41.96
MW-10B	49.94	11/22/1996	10.93			39.04
MW-10B	49.94	12/27/1996	7.99			41.98
MW-10B	49.94	1/22/1997	5.72			44.25
MW-10B	49.94	2/21/1997	4.78			45.19
MW-10B	49.94	3/25/1997	5.13			44.84
MW-10B	49.94	4/23/1997	6.52			43.45
MW-10B	49.94	4/24/1997	6.71			43.26
MW-10B	49.94	5/13/1997	5.09			44.88
MW-10B	49.94	6/20/1997	7.21			42.76
MW-10B	49.94	6/25/1997	4.71			45.26
MW-10B	49.94	7/1/1997	6.27			43.7
MW-10B	49.94	7/24/1997	9.15			40.82
MW-10B	49.94	8/16/1997	10.19			39.78
MW-10B	49.94	8/22/1997	10.92			39.05
MW-10B	49.94	9/25/1997	8.69			41.28
MW-10B	49.94	10/22/1997	7.18			42.79
MW-10B	49.94	11/25/1997	7.21			42.76
MW-10B	49.94	12/19/1997	6.56			43.41
MW-10B	49.94	1/20/1998	5.25			44.72
MW-10B	49.94	3/3/1998	5.00			44.97
MW-10B	49.94	3/18/1998	4.79			45.18
MW-10B	49.94	4/24/1998	8.95			41.02
MW-10B	49.94	5/21/1998	9.30			40.67
MW-10B	49.94	7/30/1998	10.30			39.67
MW-10B	49.94	8/25/1998	9.20			40.77
MW-10B	49.94	9/21/1998	7.06			42.91
MW-10B	49.94	10/26/1998	8.31			41.66
MW-10B	49.94	11/23/1998	6.25			43.72
MW-10B	49.94	1/29/1999	5.71			44.26
MW-10B	49.94	2/26/1999	5.76			44.21
MW-10B	49.94	3/16/1999	6.05			43.92
MW-10B	49.94	4/29/1999	6.10			43.87
MW-10B	49.94	6/1/1999	6.10			43.87
MW-10B	49.94	7/30/1999	7.61			42.36

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-10B	49.94	8/27/1999	6.33			43.64
MW-10B	49.94	9/27/1999	11.90			38.07
MW-10B	49.94	10/29/1999	12.60			37.37
MW-10B	49.94	12/29/1999	12.10			37.87
MW-10B	49.94	2/4/2000	14.29			35.68
MW-10B	49.94	2/25/2000	11.15			38.82
MW-10B	49.94	3/27/2000	9.67			40.3
MW-10B	49.94	4/7/2000	9.32			40.65
MW-10B	49.94	5/31/2000	9.38			40.59
MW-10B	49.94	6/1/2000	9.21			40.76
MW-10B	49.94	7/28/2000	9.33			40.64
MW-10B	49.94	8/30/2000	12.11			37.86
MW-10B	49.94	9/19/2000	13.77			36.2
MW-10B	49.94	10/27/2000	10.63			39.34
MW-10B	49.94	11/21/2000	10.64			39.33
MW-10B	49.94	5/1/2001	8.75			41.22
MW-10B	49.94	10/1/2001	9.12			40.85
MW-10B	49.94	3/11/2002	5.47			44.5
MW-10B	49.94	9/23/2002	5.40			44.57
MW-10B	49.94	3/10/2003	4.59			45.35
MW-10B	49.94	9/23/2003	5.58			44.36
MW-10B	49.94	3/15/2004	5.78			44.16
MW-10B	49.94	9/13/2004	10.41			39.53
MW-10B	49.94	7/18/2005	5.97			43.97
MW-10B	49.94	1/4/2006	10.75			39.19
MW-10B	49.94	7/27/2006	5.73			44.21
MW-10B	49.94	1/23/2007	4.45			45.49
MW-10B	49.94	3/7/2007	4.61			45.33
MW-10B	49.94	7/27/2007	6.15			43.79
MW-10B	49.94	1/28/2008	4.44			45.5
MW-10B	49.94	7/16/2008	9.42			40.52
MW-10B	49.94	1/22/2009	8.39			41.55
MW-10B	49.94	7/24/2009	NM			
MW-10B	49.94	1/8/2010	4.91			45.03
MW-10B	49.94	7/12/2010	5.33			44.61
MW-10B	49.95	1/12/2011	5.96			43.99
MW-10B	49.95	7/13/2011	12.07			37.88
MW-10B	49.95	1/27/2012	5.02			44.93
MW-10B	49.95	7/10/2013	12.18			37.77
MW-10B	49.95	1/8/2014	7.46			42.49
MW-10B	49.95	7/2/2014	8.96			40.99
MW-10B	49.95	1/7/2015	4.46			45.49
MW-10B	49.95	8/10/2015	6.14			43.81
MW-10B	49.96	1/12/2016	4.64			45.32
MW-10B	49.96	7/7/2016	7.62			42.34
MW-10B	49.96	1/12/2017	6.57			43.39
MW-10B	49.96	7/12/2017	8.33			41.63
MW-10B	49.96	1/3/2018	8.71			41.25
MW-10B	49.96	7/18/2018	8.04			41.92
MW-10B	49.96	1/3/2019	8.16			41.80
MW-10B	49.96	7/1/2019	4.82			45.14
MW-10B	49.96	1/14/2020	4.92			45.04
MW-10B	49.96	7/8/2020	7.58			42.38
MW-10B	49.85	1/6/2021	4.77			45.08
MW-10B	49.85	7/6/2021	4.11			45.74
MW-10B	49.85	1/3/2022	6.17			43.68
MW-10B	49.85	7/5/2022	8.99			40.86
MW-10B	49.85	1/3/2023	5.49			44.36
MW-10B	49.85	7/5/2023	8.92			40.93
MW-10B	49.85	1/2/2024	7.28			42.57
MW-10B	49.85	7/22/2024	4.60			45.25
MW-11A	50.05	9/28/1994	8.66			41.38
MW-11A	50.05	10/13/1994	9.35			40.69
MW-11A	50.05	1/24/1995	4.88			45.16
MW-11A	50.05	4/11/1995	4.81			45.23
MW-11A	50.05	7/11/1995	6.67			43.37
MW-11A	50.05	1/23/1996	8.01			42.03
MW-11A	50.05	7/19/1996	10.09			39.95
MW-11A	50.05	9/17/1996	10.56			39.48
MW-11A	50.05	10/31/1996	8.16			41.88
MW-11A	50.05	11/22/1996	10.98			39.06
MW-11A	50.05	12/27/1996	8.21			41.83
MW-11A	50.05	1/22/1997	6.06			43.98

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-11A	50.05	2/21/1997	4.98			45.06
MW-11A	50.05	3/25/1997	5.32			44.72
MW-11A	50.05	4/23/1997	6.59			43.45
MW-11A	50.05	4/24/1997	6.77			43.27
MW-11A	50.05	5/13/1997	5.31			44.73
MW-11A	50.05	6/20/1997	7.15			42.89
MW-11A	50.05	6/25/1997	4.88			45.16
MW-11A	50.05	7/1/1997	6.29			43.75
MW-11A	50.05	7/24/1997	9.12			40.92
MW-11A	50.05	8/16/1997	10.11			39.93
MW-11A	50.05	8/22/1997	10.82			39.22
MW-11A	50.05	9/25/1997	8.70			41.34
MW-11A	50.05	10/22/1997	7.40			42.64
MW-11A	50.05	11/25/1997	7.41			42.63
MW-11A	50.05	12/19/1997	6.10			43.94
MW-11A	50.05	1/20/1998	5.49			44.55
MW-11A	50.05	3/3/1998	5.16			44.88
MW-11A	50.05	3/18/1998	4.96			45.08
MW-11A	50.05	4/24/1998	8.98			41.06
MW-11A	50.05	5/21/1998	9.40			40.64
MW-11A	50.05	7/30/1998	10.56			39.48
MW-11A	50.05	8/25/1998	9.32			40.72
MW-11A	50.05	9/21/1998	7.28			42.76
MW-11A	50.05	10/26/1998	8.43			41.61
MW-11A	50.05	11/23/1998	6.41			43.63
MW-11A	50.05	1/29/1999	5.31			44.73
MW-11A	50.05	2/26/1999	5.39			44.65
MW-11A	50.05	3/16/1999	6.32			43.72
MW-11A	50.05	4/29/1999	6.51			43.53
MW-11A	50.05	6/1/1999	6.57			43.47
MW-11A	50.05	7/30/1999	8.00			42.04
MW-11A	50.05	8/27/1999	6.79			43.25
MW-11A	50.05	9/27/1999	11.73			38.31
MW-11A	50.05	10/29/1999	12.81			37.23
MW-11A	50.05	12/29/1999	12.11			37.93
MW-11A	50.05	2/4/2000	14.33			35.71
MW-11A	50.05	2/25/2000	11.10			38.94
MW-11A	50.05	3/27/2000	9.66			40.38
MW-11A	50.05	4/7/2000	9.40			40.64
MW-11A	50.05	5/31/2000	9.50			40.54
MW-11A	50.05	6/1/2000	9.30			40.74
MW-11A	50.05	7/28/2000	9.47			40.57
MW-11A	50.05	8/30/2000	12.44			37.6
MW-11A	50.05	9/19/2000	13.74			36.3
MW-11A	50.05	10/27/2000	11.01			39.03
MW-11A	50.05	11/21/2000	10.69			39.35
MW-11A	50.05	5/1/2001	8.78			41.26
MW-11A	50.05	10/1/2001	9.12			40.93
MW-11A	50.05	3/11/2002	5.59			44.45
MW-11A	50.05	9/23/2002	5.60			44.44
MW-11A	50.05	3/10/2003	4.66			45.39
MW-11A	50.05	9/23/2003	5.73			44.32
MW-11A	50.05	3/15/2004	4.99			45.06
MW-11A	50.05	9/13/2004	10.28			39.77
MW-11A	50.05	7/18/2005	6.66			43.39
MW-11A	50.05	1/5/2006	10.85			39.2
MW-11A	50.05	7/27/2006	5.02			45.03
MW-11A	50.05	1/23/2007	4.54			45.51
MW-11A	50.05	3/7/2007	4.26			45.79
MW-11A	50.05	7/27/2007	6.09			43.96
MW-11A	50.05	1/28/2008	4.46			45.59
MW-11A	50.05	7/16/2008	9.25			40.8
MW-11A	50.05	1/22/2009	8.57			41.48
MW-11A	50.05	7/24/2009	NM			
MW-11A	50.05	1/8/2010	4.97			45.08
MW-11A	50.05	7/12/2010	5.51			44.54
MW-11A	50.07	1/12/2011	6.21			43.86
MW-11A	50.07	7/12/2011	12.02			38.05
MW-11A	50.07	1/27/2012	5.31			44.76
MW-11A	50.07	7/10/2013	12.01			38.06
MW-11A	50.07	1/8/2014	7.46			42.61
MW-11A	50.07	7/2/2014	9.02			41.05
MW-11A	50.07	1/7/2015	4.58			45.49

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-11A	50.07	8/10/2015	6.11			43.96
MW-11A	50.16	1/12/2016	4.71			45.45
MW-11A	50.16	7/7/2016	7.61			42.55
MW-11A	50.16	1/12/2017	8.47			41.69
MW-11A	50.16	7/12/2017	8.46			41.70
MW-11A	50.16	1/3/2018	8.94			41.22
MW-11A	50.16	7/18/2018	8.09			42.07
MW-11A	50.16	1/3/2019	8.48			41.68
MW-11A	50.16	7/1/2019	5.06			45.10
MW-11A	50.16	1/14/2020	5.11			45.05
MW-11A	50.16	7/8/2020	7.67			42.49
MW-11A	50.21	1/6/2021	4.97			45.24
MW-11A	50.21	7/6/2021	4.22			45.99
MW-11A	50.21	1/3/2022	6.18			44.03
MW-11A	50.21	7/5/2022	8.92			41.29
MW-11A	50.21	1/3/2023	5.69			44.52
MW-11A	50.21	7/5/2023	8.78			41.43
MW-11A	50.21	1/2/2024	7.34			42.87
MW-11A	50.21	7/22/2024	4.69			45.52
MW-11B	50.18	9/28/1994	8.92			41.27
MW-11B	50.18	10/13/1994	9.59			40.6
MW-11B	50.18	1/24/1995	5.04			45.15
MW-11B	50.18	4/11/1995	5.01			45.18
MW-11B	50.18	7/11/1995	7.23			42.96
MW-11B	50.18	1/23/1996	8.20			41.99
MW-11B	50.18	7/19/1996	8.92			41.27
MW-11B	50.18	9/17/1996	10.83			39.36
MW-11B	50.18	10/31/1996	9.34			40.85
MW-11B	50.18	11/22/1996	11.23			38.96
MW-11B	50.18	12/27/1996	8.45			41.74
MW-11B	50.18	1/22/1997	6.28			43.91
MW-11B	50.18	2/21/1997	5.16			45.03
MW-11B	50.18	3/25/1997	5.51			44.68
MW-11B	50.18	4/23/1997	6.81			43.38
MW-11B	50.18	4/24/1997	6.99			43.2
MW-11B	50.18	5/13/1997	5.46			44.73
MW-11B	50.18	6/20/1997	7.40			42.79
MW-11B	50.18	6/25/1997	5.06			45.13
MW-11B	50.18	7/1/1997	6.52			43.67
MW-11B	50.18	7/24/1997	9.36			40.83
MW-11B	50.18	8/16/1997	10.36			39.83
MW-11B	50.18	8/22/1997	11.11			39.08
MW-11B	50.18	9/25/1997	8.96			41.23
MW-11B	50.18	10/22/1997	7.61			42.58
MW-11B	50.18	11/25/1997	7.63			42.56
MW-11B	50.18	12/19/1997	7.11			43.08
MW-11B	50.18	1/20/1998	5.70			44.49
MW-11B	50.18	3/3/1998	5.35			44.84
MW-11B	50.18	3/18/1998	5.14			45.05
MW-11B	50.18	4/24/1998	9.19			41
MW-11B	50.18	5/21/1998	9.61			40.58
MW-11B	50.18	7/30/1998	10.72			39.47
MW-11B	50.18	8/25/1998	9.48			40.71
MW-11B	50.18	9/21/1998	7.49			42.7
MW-11B	50.18	10/26/1998	8.57			41.62
MW-11B	50.18	11/23/1998	6.32			43.87
MW-11B	50.18	2/26/1999	5.32			44.87
MW-11B	50.18	3/16/1999	6.49			43.7
MW-11B	50.18	4/29/1999	6.66			43.53
MW-11B	50.18	6/1/1999	6.66			43.53
MW-11B	50.18	7/30/1999	8.12			42.07
MW-11B	50.18	8/27/1999	6.88			43.31
MW-11B	50.18	9/27/1999	12.04			38.15
MW-11B	50.18	10/29/1999	13.00			37.19
MW-11B	50.18	12/29/1999	12.33			37.86
MW-11B	50.18	2/4/2000	15.61			34.58
MW-11B	50.18	2/25/2000	11.49			38.7
MW-11B	50.18	3/27/2000	9.93			40.26
MW-11B	50.18	4/7/2000	9.54			40.65
MW-11B	50.18	5/31/2000	9.61			40.58
MW-11B	50.18	6/1/2000	9.51			40.68
MW-11B	50.18	7/28/2000	9.60			40.59
MW-11B	50.18	8/30/2000	12.76			37.43

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-11B	50.18	9/19/2000	13.97			36.22
MW-11B	50.18	10/27/2000	11.23			38.96
MW-11B	50.18	11/21/2000	10.88			39.31
MW-11B	50.18	5/1/2001	5.97			44.22
MW-11B	50.18	10/1/2001	9.33			40.86
MW-11B	50.18	3/11/2002	5.80			44.39
MW-11B	50.18	9/23/2002	5.79			44.4
MW-11B	50.18	3/10/2003	4.85			45.33
MW-11B	50.18	9/23/2003	5.95			44.23
MW-11B	50.18	3/15/2004	5.16			45.02
MW-11B	50.18	9/13/2004	10.53			39.65
MW-11B	50.18	7/18/2005	5.45			44.73
MW-11B	50.18	1/4/2006	11.01			39.17
MW-11B	50.18	7/27/2006	5.26			44.92
MW-11B	50.18	1/23/2007	4.13			46.05
MW-11B	50.18	3/7/2007	4.42			45.76
MW-11B	50.18	7/27/2007	6.29			43.89
MW-11B	50.18	1/28/2008	4.69			45.49
MW-11B	50.18	7/16/2008	9.49			40.69
MW-11B	50.18	1/22/2009	8.72			41.46
MW-11B	50.18	7/24/2009	NM			
MW-11B	50.18	1/8/2010	5.15			45.03
MW-11B	50.18	7/12/2010	5.67			44.51
MW-11B	50.23	1/12/2011	6.37			43.86
MW-11B	50.23	7/12/2011	12.23			38.00
MW-11B	50.23	1/27/2012	5.38			44.85
MW-11B	50.23	7/10/2013	12.22			38.01
MW-11B	50.23	1/8/2014	7.82			42.41
MW-11B	50.23	7/2/2014	9.14			41.09
MW-11B	50.23	1/7/2015	4.79			45.44
MW-11B	50.23	8/10/2015	6.27			43.96
MW-11B	50.24	1/12/2016	4.99			45.25
MW-11B	50.24	7/7/2016	7.59			42.65
MW-11B	50.24	1/12/2017	8.54			41.70
MW-11B	50.24	7/12/2017	8.49			41.75
MW-11B	50.24	1/3/2018	9.04			41.20
MW-11B	50.24	7/18/2018	8.24			42.00
MW-11B	50.24	1/3/2019	8.57			41.67
MW-11B	50.24	7/1/2019	5.21			45.03
MW-11B	50.24	1/14/2020	5.3			44.94
MW-11B	50.24	7/8/2020	7.81			42.43
MW-11B	50.09	1/6/2021	5.21			44.88
MW-11B	50.09	7/6/2021	4.31			45.78
MW-11B	50.09	8/4/2021	7.94			42.15
MW-11B	50.09	1/3/2022	6.41			43.68
MW-11B	50.09	7/5/2022	9.14			40.95
MW-11B	50.09	1/3/2023	5.83			44.26
MW-11B	50.09	7/5/2023	9.02			41.07
MW-11B	50.09	1/2/2024	7.53			42.56
MW-11B	50.09	7/22/2024	4.80			45.29
MW-12A	49.96	3/25/1997	5.52			44.44
MW-12A	49.96	4/23/1997	6.51			43.45
MW-12A	49.96	4/24/1997	6.66			43.3
MW-12A	49.96	5/13/1997	5.47			44.49
MW-12A	49.96	6/20/1997	6.81			43.15
MW-12A	49.96	9/25/1997	8.08			41.88
MW-12A	49.96	10/22/1997	7.10			42.86
MW-12A	49.96	11/25/1997	7.12			42.84
MW-12A	49.96	12/19/1997	6.96			43
MW-12A	49.96	1/20/1998	5.69			44.27
MW-12A	49.96	3/4/1998	4.52			45.44
MW-12A	49.96	3/18/1998	5.28			44.68
MW-12A	49.96	4/24/1998	8.70			41.26
MW-12A	49.96	5/21/1998	9.10			40.86
MW-12A	49.96	8/25/1998	10.05			39.91
MW-12A	49.96	9/21/1998	7.11			42.85
MW-12A	49.96	10/26/1998	9.11			40.85
MW-12A	49.96	11/23/1998	6.01			43.95
MW-12A	49.96	1/29/1999	5.44			44.52
MW-12A	49.96	2/26/1999	5.52			44.44
MW-12A	49.96	3/16/1999	6.21			43.75
MW-12A	49.96	4/29/1999	6.38			43.58
MW-12A	49.96	6/1/1999	6.31			43.65

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-12A	49.96	7/30/1999	7.88			42.08
MW-12A	49.96	8/27/1999	6.56			43.4
MW-12A	49.96	9/27/1999	11.61			38.35
MW-12A	49.96	10/29/1999	12.79			37.17
MW-12A	49.96	11/18/1999	13.18			36.78
MW-12A	49.96	12/29/1999	12.03			37.93
MW-12A	49.96	2/4/2000	15.43			34.53
MW-12A	49.96	2/25/2000	11.34			38.62
MW-12A	49.96	3/27/2000	9.22			40.74
MW-12A	49.96	4/7/2000	8.80			41.16
MW-12A	49.96	5/31/2000	8.84			41.12
MW-12A	49.96	6/1/2000	8.81			41.15
MW-12A	49.96	7/28/2000	8.87			41.09
MW-12A	49.96	8/30/2000	11.76			38.2
MW-12A	49.96	9/19/2000	13.22			36.74
MW-12A	49.96	10/27/2000	10.54			39.42
MW-12A	49.96	11/21/2000	10.16			39.8
MW-12A	49.96	5/1/2001	8.60			41.36
MW-12A	49.96	10/1/2001	8.73			41.23
MW-12A	49.96	3/11/2002	6.01			43.95
MW-12A	49.96	9/23/2002	5.87			44.09
MW-12A	49.96	3/10/2003	5.37			44.59
MW-12A	49.96	9/23/2003	5.96			44
MW-12A	49.96	3/15/2004	5.54			44.42
MW-12A	49.96	9/13/2004	10.30			39.66
MW-12A	49.96	7/18/2005	7.01			42.95
MW-12A	49.96	1/4/2006	10.57			39.39
MW-12A	49.96	7/27/2006	6.60			43.36
MW-12A	49.96	3/7/2007	6.94			43.02
MW-12A	49.96	7/27/2007	5.79			44.17
MW-12A	49.96	1/30/2008	5.29			44.67
MW-12A	49.96	7/15/2008	9.19			40.77
MW-12A	49.96	2/4/2009	8.81			41.15
MW-12A	49.96	7/24/2009	9.13			40.83
MW-12A	49.96	1/8/2010	5.47			44.49
MW-12A	49.96	7/12/2010	9.72			40.24
MW-12A	49.96	1/12/2011	5.59			44.37
MW-12A	49.96	7/12/2011	12.46			37.5
MW-12A	49.96	1/26/2012	5.78			44.18
MW-12A	49.96	7/9/2012	5.96			44
MW-12A	49.96	1/7/2013	9.04			40.92
MW-12A	49.96	7/22/2013	11.64			38.32
MW-12A	49.96	1/7/2014	7.38			42.58
MW-12A	49.96	7/16/2014	9.82			40.14
MW-12A	49.96	1/5/2015	6.46			43.50
MW-12A	49.96	8/10/2015	5.26			44.70
MW-12A	49.96	1/13/2016	4.67			45.29
MW-12A	49.96	7/6/2016	4.96			45.00
MW-12A	49.96	1/12/2017	5.67			44.29
MW-12A	49.96	7/6/2017	6.03			43.93
MW-12A	49.96	9/5/2017	5.86			44.10
MW-12A	49.96	2/11/2018	6.48			43.48
MW-12A	49.96	3/11/2018	7.12			42.84
MW-12A	49.96	5/14/2018	8.92			41.04
MW-12A	49.96	1/3/2019	8.37			41.59
MW-12A	49.96	7/9/2019	8.02			41.94
MW-12A	49.96	1/7/2020	6.04			43.92
MW-12A	49.96	7/8/2020	7.61	BP		42.35
MW-12A	49.96	1/6/2021	5.5			44.46
MW-12A	49.96	7/13/2021	5.19			44.77
MW-12A	49.96	1/4/2022	6.57			43.39
MW-12A	49.96	7/6/2022	8.91			41.05
MW-12A	49.96	1/4/2023	5.41			44.55
MW-12A	49.96	7/6/2023	8.63			41.33
MW-12A	49.96	1/3/2024	6.09			43.87
MW-12A	49.96	7/22/2024	5.71			44.25
MW-12B	50.02	3/25/1997	5.60			44.42
MW-12B	50.02	4/23/1997	6.64			43.38
MW-12B	50.02	4/24/1997	6.74			43.28
MW-12B	50.02	5/13/1997	5.55			44.47
MW-12B	50.02	6/20/1997	7.01			43.01
MW-12B	50.02	9/25/1997	8.32			41.7
MW-12B	50.02	10/22/1997	7.25			42.77

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-12B	50.02	11/25/1997	7.29			42.73
MW-12B	50.02	12/19/1997	6.86			43.16
MW-12B	50.02	1/20/1998	5.88			44.14
MW-12B	50.02	3/4/1998	5.64	44.08	1.72	44.38
MW-12B	50.02	3/18/1998	5.38	44.07	1.73	44.64
MW-12B	50.02	4/9/1998	7.87		0.98	42.15
MW-12B	50.02	4/16/1998	8.31		1.35	41.71
MW-12B	50.02	4/24/1998	8.72	43.82	1.98	41.3
MW-12B	50.02	5/8/1998	NM		0.50	
MW-12B	50.02	5/12/1998	NM		0.50	
MW-12B	50.02	5/21/1998	10.48			39.54
MW-12B	50.02	5/25/1998	NM		1.00	
MW-12B	50.02	6/9/1998	NM		1.00	
MW-12B	50.02	6/16/1998	NM		1.20	
MW-12B	50.02	6/26/1998	NM		1.50	
MW-12B	50.02	7/2/1998	NM		1.50	
MW-12B	50.02	7/10/1998	NM		2.00	
MW-12B	50.02	7/14/1998	NM		2.00	
MW-12B	50.02	7/23/1998	NM		2.00	
MW-12B	50.02	8/5/1998	NM		2.00	
MW-12B	50.02	8/13/1998	NM		2.00	
MW-12B	50.02	8/18/1998	NM		2.00	
MW-12B	50.02	8/25/1998	10.22			39.8
MW-12B	50.02	9/15/1998	NM		2.00	
MW-12B	50.02	9/21/1998	7.73			42.29
MW-12B	50.02	9/30/1998	NM		4.00	
MW-12B	50.02	10/8/1998	NM		4.00	
MW-12B	50.02	10/16/1998	NM		4.00	
MW-12B	50.02	10/26/1998	8.88			41.14
MW-12B	50.02	11/6/1998	NM		4.00	
MW-12B	50.02	11/13/1998	NM		1.49	
MW-12B	50.02	11/19/1998	NM		4.00	
MW-12B	50.02	11/23/1998	6.11			43.91
MW-12B	50.02	12/16/1998	NM		4.00	
MW-12B	50.02	1/7/1999	NM		4.00	
MW-12B	50.02	1/15/1999	NM		4.00	
MW-12B	50.02	1/22/1999	NM		4.00	
MW-12B	50.02	1/26/1999	NM		4.00	
MW-12B	50.02	1/29/1999	5.70			44.32
MW-12B	50.02	2/4/1999	NM		4.00	
MW-12B	50.02	2/9/1999	NM		3.00	
MW-12B	50.02	2/26/1999	5.83	39.95	5.85	44.19
MW-12B	50.02	3/16/1999	6.30	43.60	2.20	43.72
MW-12B	50.02	4/29/1999	6.44	38.90	6.90	43.58
MW-12B	50.02	5/21/1999	7.40	36.90	8.90	42.62
MW-12B	50.02	5/27/1999	7.38	36.90	8.90	42.64
MW-12B	50.02	6/1/1999	6.40	37.90	7.90	43.62
MW-12B	50.02	6/10/1999	7.36	36.90	8.90	42.66
MW-12B	50.02	7/30/1999	7.98			42.04
MW-12B	50.02	8/27/1999	6.61	38.90	6.90	43.41
MW-12B	50.02	9/27/1999	11.71	42.34	3.46	38.31
MW-12B	50.02	10/29/1999	12.76	41.84	3.96	37.26
MW-12B	50.02	11/18/1999	13.22			36.8
MW-12B	50.02	12/29/1999	12.01	41.84	3.96	38.01
MW-12B	50.02	2/4/2000	13.22	41.84	3.96	36.8
MW-12B	50.02	2/25/2000	11.44	41.84	3.96	38.58
MW-12B	50.02	3/27/2000	NM			
MW-12B	50.02	4/7/2000	8.73	41.81	3.99	41.29
MW-12B	50.02	5/31/2000	8.77	41.81	3.99	41.25
MW-12B	50.02	6/1/2000	8.73	41.81	3.99	41.29
MW-12B	50.02	7/28/2000	8.77	41.89	3.91	41.25
MW-12B	50.02	8/30/2000	11.66	41.82	3.98	38.36
MW-12B	50.02	9/19/2000	13.33	40.89	4.91	36.69
MW-12B	50.02	10/27/2000	11.75	41.80	4.00	38.27
MW-12B	50.02	11/21/2000	10.64	43.48	2.32	39.38
MW-12B	50.02	5/1/2001	8.71	43.46	2.34	41.31
MW-12B	50.02	10/1/2001	8.37		15.00	41.65
MW-12B	50.02	3/14/2002	6.37	36.99	8.81	43.65
MW-12B	50.02	9/23/2002	6.10	40.03	5.77	43.92
MW-12B	50.02	3/10/2003	5.45			44.57
MW-12B	50.02	9/24/2003	6.29	39.85	5.95	43.73
MW-12B	50.02	3/15/2004	5.63			44.39
MW-12B	50.02	9/13/2004	10.44	38.72	7.08	39.58

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-12B	50.02	7/18/2005	7.14	38.40	7.40	42.88
MW-12B	50.02	1/4/2006	10.75	35.98	9.82	39.27
MW-12B	50.02	7/27/2006	6.07	35.74	10.06	43.95
MW-12B	50.02	3/7/2007	6.96	34.60	11.20	43.06
MW-12B	50.02	7/27/2007	5.36	33.45	12.35	44.66
MW-12B	50.02	1/31/2008	5.75	33.34	12.46	44.27
MW-12B	50.02	7/15/2008	9.38	38.88	6.92	40.64
MW-12B	50.02	2/4/2009	8.89	38.14	7.66	41.13
MW-12B	50.02	7/24/2009	9.18	38.51	7.29	40.84
MW-12B	50.02	1/8/2010	6.81	37.46	8.34	43.21
MW-12B	50.02	5/27/2010	7.29	39.5	6.30	42.73
MW-12B	50.02	6/28/2010	7.39	44.1	1.70	42.63
MW-12B	50.02	7/12/2010	7.47	44.25	1.55	42.55
MW-12B	50.02	8/31/2010	7.26	45.42	0.38	42.76
MW-12B	50.02	1/12/2011	7.01	45.39	0.41	43.01
MW-12B	50.02	7/12/2011	10.09	45.39	0.41	39.93
MW-12B	50.02	3/8/2012	6.87	40.2	5.60	43.15
MW-12B	50.02	7/9/2012	7.16	40.1	5.70	42.86
MW-12B	50.02	1/7/2013	9.17	39.86	5.94	40.85
MW-12B	50.02	7/22/2013	11.16	39.04	6.76	38.86
MW-12B	50.02	1/7/2014	11.34	45.12	0.68	38.68
MW-12B	50.02	7/15/2014	10.59	44.89	0.91	39.43
MW-12B	50.02	1/5/2015	10.06	44.91	1.29	39.96
MW-12B	50.02	8/10/2015	7.39	46.1	0.10	42.63
MW-12B	50.02	1/13/2016	6.06	45.79	0.41	43.96
MW-12B	50.02	7/6/2016	6.29	45.72	0.48	43.73
MW-12B	50.02	1/12/2017	7.02	45.81	0.39	43.00
MW-12B	50.02	7/6/2017	7.01	45.71	1.89	43.01
MW-12B	50.02	9/5/2017	7.03	45.6	2.00	42.99
MW-12B	50.02	2/7/2018	7.13	45.87	0.33	42.89
MW-12B	50.02	3/11/2018	7.42	45.96	0.24	42.6
MW-12B	50.02	5/14/2018	8.59	45.91	0.29	41.43
MW-12B	50.02	1/3/2019	7.96	45.87	0.33	42.06
MW-12B	50.02	7/9/2019	6.67	45.06	1.14	43.35
MW-12B	50.02	1/8/2020	5.66	27.12	19.08	44.36
MW-12B	50.02	7/8/2020	8.04	BP		41.98
MW-12B	50.02	1/6/2021	5.61	BP		44.41
MW-12B	50.02	7/13/2021	5.15	BP		44.87
MW-12B	50.02	1/4/2022	6.31	BP		43.71
MW-12B	50.02	7/6/2022	6.89	BP		43.13
MW-12B	50.02	1/4/2023	5.62	BP		44.4
MW-12B	50.02	7/6/2023	10.02	BP		40
MW-12B	50.02	1/3/2024	5.86	Trace		44.16
MW-12B	50.02	7/22/2024	5.76			44.26
MW-12C	50.14	5/13/1997	39.34			10.8
MW-12C	50.14	6/20/1997	38.94			11.2
MW-12C	50.14	9/25/1997	36.70			13.44
MW-12C	50.14	10/22/1997	36.09			14.05
MW-12C	50.14	11/25/1997	36.13			14.01
MW-12C	50.14	12/19/1997	35.34			14.8
MW-12C	50.14	1/20/1998	32.60			17.54
MW-12C	50.14	3/4/1998	31.56			18.58
MW-12C	50.14	3/18/1998	31.64			18.5
MW-12C	50.14	4/24/1998	31.06			19.08
MW-12C	50.14	5/21/1998	38.20			11.94
MW-12C	50.14	8/25/1998	31.00			19.14
MW-12C	50.14	9/21/1998	29.86			20.28
MW-12C	50.14	10/26/1998	30.12			20.02
MW-12C	50.14	11/23/1998	28.38			21.76
MW-12C	50.14	1/29/1999	27.61			22.53
MW-12C	50.14	2/26/1999	27.69			22.45
MW-12C	50.14	3/16/1999	28.00			22.14
MW-12C	50.14	4/29/1999	28.21			21.93
MW-12C	50.14	6/1/1999	28.20			21.94
MW-12C	50.14	7/30/1999	29.80			20.34
MW-12C	50.14	8/27/1999	28.41			21.73
MW-12C	50.14	9/27/1999	29.20			20.94
MW-12C	50.14	10/29/1999	29.78			20.36
MW-12C	50.14	11/18/1999	30.17			19.97
MW-12C	50.14	12/29/1999	29.09			21.05
MW-12C	50.14	2/4/2000	29.66			20.48
MW-12C	50.14	2/25/2000	30.32			19.82
MW-12C	50.14	3/27/2000	28.91			21.23

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-12C	50.14	4/7/2000	27.40			22.74
MW-12C	50.14	5/31/2000	27.44			22.7
MW-12C	50.14	6/1/2000	27.43			22.71
MW-12C	50.14	7/28/2000	27.45			22.69
MW-12C	50.14	8/30/2000	33.61			16.53
MW-12C	50.14	9/19/2000	30.03			20.11
MW-12C	50.14	10/27/2000	33.94			16.2
MW-12C	50.14	11/21/2000	29.12			21.02
MW-12C	50.14	5/1/2001	26.85			23.29
MW-12C	50.14	10/1/2001	26.85			23.29
MW-12C	50.14	3/11/2002	25.59			24.55
MW-12C	50.14	9/23/2002	26.57			23.57
MW-12C	50.14	3/10/2003	24.85			25.29
MW-12C	50.14	9/23/2003	26.06			24.08
MW-12C	50.14	3/15/2004	24.31			25.83
MW-12C	50.14	9/13/2004	26.15			23.99
MW-12C	50.14	7/18/2005	26.23			23.91
MW-12C	50.14	1/4/2006	22.26			27.88
MW-12C	50.14	7/27/2006	25.28			24.86
MW-12C	50.14	3/7/2007	23.78			26.36
MW-12C	50.14	7/27/2007	22.05			28.09
MW-12C	50.14	1/30/2008	22.69			27.45
MW-12C	50.14	7/15/2008	24.41			25.73
MW-12C	50.14	2/4/2009	24.59			25.55
MW-12C	50.14	7/24/2009	24.91			25.23
MW-12C	50.14	1/8/2010	23.03			27.11
MW-12C	50.14	7/12/2010	23.91			26.23
MW-12C	50.14	1/12/2011	23.76			26.38
MW-12C	50.14	7/12/2011	25.98			24.16
MW-12C	50.14	1/26/2012	25.76			24.38
MW-12C	50.14	7/9/2012	24.59			25.55
MW-12C	50.14	1/7/2013	26.04			24.1
MW-12C	50.14	7/22/2013	27.09			23.05
MW-12C	50.14	1/7/2014	26.52			23.62
MW-12C	50.14	7/16/2014	25.15			24.99
MW-12C	50.14	1/5/2015	26.01			24.13
MW-12C	50.14	8/10/2015	24.26			25.88
MW-12C	50.14	1/13/2016	23.83			26.31
MW-12C	50.14	7/6/2016	24.13			26.01
MW-12C	50.14	1/12/2017	24.49			25.65
MW-12C	50.14	7/6/2017	24.88			25.26
MW-12C	50.14	9/5/2017	24.84			25.30
MW-12C	50.14	2/11/2018	25.13			25.01
MW-12C	50.14	3/11/2018	24.04			26.1
MW-12C	50.14	4/14/2018	25.96			24.18
MW-12C	50.14	1/3/2019	25.34			24.8
MW-12C	50.14	7/9/2019	23.73			26.41
MW-12C	50.14	1/7/2020	24.61			25.53
MW-12C	50.14	7/8/2020	24.38			25.76
MW-12C	50.14	1/6/2021	23.01			27.13
MW-12C	50.14	7/13/2021	22.39			27.75
MW-12C	50.14	1/4/2022	23.73			26.41
MW-12C	50.14	7/6/2022	26.42			23.72
MW-12C	50.14	1/4/2023	25.82			24.32
MW-12C	50.14	7/6/2023	25.88			24.26
MW-12C	50.14	1/3/2024	25.68			24.46
MW-12C	50.14	7/22/2024	23.82			26.32
MW-13	50.65	3/25/1997	9.43			41.22
MW-13	50.65	4/23/1997	9.87			40.78
MW-13	50.65	4/24/1997	9.92			40.73
MW-13	50.65	5/13/1997	9.30			41.35
MW-13	50.65	6/20/1997	10.11			40.54
MW-13	50.65	9/25/1997	10.75			39.9
MW-13	50.65	10/22/1997	10.09			40.56
MW-13	50.65	11/25/1997	10.11			40.54
MW-13	50.65	12/19/1997	10.01			40.64
MW-13	50.65	1/20/1998	9.32			41.33
MW-13	50.65	3/4/1998	9.23			41.42
MW-13	50.65	3/18/1998	8.90			41.75
MW-13	50.65	4/24/1998	10.74			39.82
MW-13	50.65	5/21/1998	12.11			38.54
MW-13	50.65	8/25/1998	12.00			38.56
MW-13	50.65	9/21/1998	10.13			40.43

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-13	50.65	10/26/1998	11.15			39.41
MW-13	50.65	11/23/1998	9.22			41.34
MW-13	50.65	1/29/1999	8.00			42.65
MW-13	50.65	2/26/1999	8.11			42.54
MW-13	50.65	3/16/1999	9.51			41.14
MW-13	50.65	4/29/1999	9.79			40.86
MW-13	50.65	6/1/1999	9.70			40.95
MW-13	50.65	7/30/1999	11.01			39.64
MW-13	50.65	8/27/1999	9.96			40.69
MW-13	50.65	9/27/1999	12.84			37.81
MW-13	50.65	10/29/1999	13.88			36.77
MW-13	50.65	11/17/1999	14.00			36.65
MW-13	50.65	12/29/1999	13.08			37.57
MW-13	50.65	2/4/2000	15.61			35.04
MW-13	50.65	2/25/2000	12.17			38.48
MW-13	50.65	3/27/2000	10.95			39.7
MW-13	50.65	4/7/2000	10.51			40.14
MW-13	50.65	5/31/2000	10.57			40.08
MW-13	50.65	6/1/2000	10.51			40.14
MW-13	50.65	7/28/2000	10.54			40.11
MW-13	50.65	8/30/2000	13.63			37.02
MW-13	50.65	9/19/2000	14.57			36.08
MW-13	50.65	10/27/2000	11.11			39.54
MW-13	50.65	11/21/2000	11.44			39.21
MW-13	50.65	5/1/2001	10.70			39.95
MW-13	50.65	10/1/2001	10.31			40.34
MW-13	50.65	3/11/2002	9.62			41.03
MW-13	50.65	9/23/2002	9.17			41.48
MW-13	50.65	3/10/2003	9.17			41.48
MW-13	50.65	9/23/2003	9.14			41.51
MW-13	50.65	3/15/2004	9.30			41.35
MW-13	50.65	9/13/2004	11.98			38.67
MW-13	50.65	7/18/2005	10.25			40.4
MW-13	50.65	1/4/2006	12.03			38.62
MW-13	50.65	7/27/2006	8.82			41.83
MW-13	50.65	3/7/2007	9.95			40.7
MW-13	50.65	7/27/2007	8.90			41.75
MW-13	50.65	1/30/2008	8.85			41.8
MW-13	50.65	7/15/2008	10.89			39.76
MW-13	50.65	2/4/2009	10.59			40.06
MW-13	50.65	7/23/2009	11.07			39.58
MW-13	50.65	1/8/2010	9.22			41.43
MW-13	50.65	7/12/2010	11.12			39.53
MW-13	50.65	1/12/2011	8.89			41.76
MW-13	50.65	7/12/2011	12.96			37.69
MW-13	50.65	1/26/2012	9.31			41.34
MW-13	50.65	7/9/2012	9.14			41.51
MW-13	50.65	1/7/2013	10.68			39.97
MW-13	50.65	7/22/2013	12.13			38.52
MW-13	50.65	1/7/2014	10.13			40.52
MW-13	50.65	7/16/2014	11.04			39.61
MW-13	50.65	1/5/2015	9.34			41.31
MW-13	50.65	8/10/2015	7.67			42.98
MW-13	50.65	1/13/2016	7.01			43.64
MW-13	50.65	7/6/2016	7.39			43.26
MW-13	50.65	1/12/2017	7.81			42.84
MW-13	50.65	7/6/2017	7.96			42.69
MW-13	50.65	9/5/2017	9.01			41.64
MW-13	50.65	2/11/2018	9.58			41.07
MW-13	50.65	3/11/2018	10.09			40.56
MW-13	50.65	5/14/2018	10.96			39.69
MW-13	50.65	1/3/2019	10.52			40.13
MW-13	50.65	7/9/2019	10.63			40.02
MW-13	50.65	1/7/2020	9.42			41.23
MW-13	50.65	7/8/2020	10.34			40.31
MW-13	50.65	1/6/2021	9.58			41.07
MW-13	50.65	7/13/2021	8.59			42.06
MW-13	50.65	1/4/2022	9.87			40.78
MW-13	50.65	7/6/2022	10.86			39.79
MW-13	50.65	1/4/2023	8.81			41.84
MW-13	50.65	7/6/2023	10.89			39.76
MW-13	50.65	1/3/2024	9.73			40.92
MW-13	50.65	7/22/2024	9.18			41.47

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-14	50.66	3/25/1997	7.71			42.95
MW-14	50.66	4/23/1997	8.31			42.35
MW-14	50.66	4/24/1997	8.34			42.32
MW-14	50.66	5/13/1997	7.83			42.83
MW-14	50.66	6/20/1997	8.64			42.02
MW-14	50.66	9/25/1997	9.95			40.71
MW-14	50.66	10/22/1997	8.89			41.77
MW-14	50.66	11/25/1997	8.86			41.8
MW-14	50.66	12/19/1997	8.62			42.04
MW-14	50.66	1/20/1998	8.08			42.58
MW-14	50.66	3/4/1998	7.72			42.94
MW-14	50.66	3/18/1998	7.66			43
MW-14	50.66	4/24/1998	9.75			40.91
MW-14	50.66	5/21/1998	11.00			39.66
MW-14	50.66	8/25/1998	12.00			38.66
MW-14	50.66	9/21/1998	9.41			41.25
MW-14	50.66	10/26/1998	11.10			39.56
MW-14	50.66	11/23/1998	8.08			42.58
MW-14	50.66	1/29/1999	7.10			43.56
MW-14	50.66	2/26/1999	7.21			43.45
MW-14	50.66	3/16/1999	8.74			41.92
MW-14	50.66	4/29/1999	8.93			41.73
MW-14	50.66	6/1/1999	8.92			41.74
MW-14	50.66	7/30/1999	10.44			40.22
MW-14	50.66	8/27/1999	9.21			41.45
MW-14	50.66	9/27/1999	12.56			38.1
MW-14	50.66	10/29/1999	13.56			37.1
MW-14	50.66	11/17/1999	13.63			37.03
MW-14	50.66	12/29/1999	12.88			37.78
MW-14	50.66	2/4/2000	14.22			36.44
MW-14	50.66	2/25/2000	11.73			38.93
MW-14	50.66	3/27/2000	10.54			40.12
MW-14	50.66	4/7/2000	10.14			40.52
MW-14	50.66	5/31/2000	10.17			40.49
MW-14	50.66	6/1/2000	10.13			40.53
MW-14	50.66	7/28/2000	10.17			40.49
MW-14	50.66	8/30/2000	13.22			37.44
MW-14	50.66	9/19/2000	14.27			36.39
MW-14	50.66	10/27/2000	11.56			39.1
MW-14	50.66	11/21/2000	11.17			39.49
MW-14	50.66	5/1/2001	9.71			40.95
MW-14	50.66	10/1/2001	10.64			40.02
MW-14	50.66	3/11/2002	8.45			42.21
MW-14	50.66	9/23/2002	7.90			42.76
MW-14	50.66	3/10/2003	8.59			42.07
MW-14	50.66	9/23/2003	7.70			42.96
MW-14	50.66	3/15/2004	7.96			42.7
MW-14	50.66	9/13/2004	11.05			39.61
MW-14	50.66	7/18/2005	9.55			41.11
MW-14	50.66	1/4/2006	11.83			38.83
MW-14	50.66	7/27/2006	7.80			42.86
MW-14	50.66	3/7/2007	8.96			41.7
MW-14	50.66	7/27/2007	8.01			42.65
MW-14	50.66	1/30/2008	7.66			43
MW-14	50.66	7/15/2008	10.41			40.25
MW-14	50.66	2/4/2009	10.27			40.39
MW-14	50.66	7/23/2009	10.67			39.99
MW-14	50.66	1/8/2010	8.24			42.42
MW-14	50.66	7/12/2010	10.54			40.12
MW-14	50.66	1/12/2011	18.09			32.57
MW-14	50.66	7/12/2011	12.93			37.73
MW-14	50.66	1/26/2012	8.57			42.09
MW-14	50.66	7/9/2012	8.61			42.05
MW-14	50.66	1/7/2013	10.46			40.2
MW-14	50.66	7/22/2013	11.91			38.75
MW-14	50.66	1/7/2014	9.39			41.27
MW-14	50.66	7/16/2014	10.58			40.08
MW-14	50.66	1/5/2015	8.79			41.87
MW-14	50.66	8/10/2015	6.34			44.32
MW-14	50.66	1/13/2016	5.79			44.87
MW-14	50.66	7/6/2016	6.06			44.60
MW-14	50.66	1/12/2017	6.59			44.07
MW-14	50.66	7/6/2017	6.92			43.74

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-14	50.66	9/5/2017	6.83			43.83
MW-14	50.66	2/11/2018	8.66			42.00
MW-14	50.66	3/11/2018	8.99			41.67
MW-14	50.66	5/14/2018	10.09			40.57
MW-14	50.66	1/3/2019	9.37			41.29
MW-14	50.66	7/9/2019	9.57			41.09
MW-14	50.66	1/7/2020	8.39			42.27
MW-14	50.66	7/8/2020	9.21			41.45
MW-14	50.66	1/6/2021	8.08			42.58
MW-14	50.66	7/13/2021	6.42			44.24
MW-14	50.66	1/4/2022	8.61			42.05
MW-14	50.66	7/6/2022	10.16			40.5
MW-14	50.66	1/4/2023	8.78			41.88
MW-14	50.66	7/6/2023	9.89			40.77
MW-14	50.66	1/3/2024	8.33			42.33
MW-14	50.66	7/22/2024	7.14			43.52
MW-15A	50.41	3/25/1997	8.22			42.19
MW-15A	50.41	4/23/1997	8.28			42.13
MW-15A	50.41	4/24/1997	8.51			41.9
MW-15A	50.41	5/13/1997	8.06			42.35
MW-15A	50.41	6/20/1997	8.64			41.77
MW-15A	50.41	9/25/1997	9.75			40.66
MW-15A	50.41	10/22/1997	9.09			41.32
MW-15A	50.41	11/25/1997	9.13			41.28
MW-15A	50.41	12/19/1997	8.89			41.52
MW-15A	50.41	1/20/1998	8.35			42.06
MW-15A	50.41	3/4/1998	8.09			42.32
MW-15A	50.41	3/18/1998	7.98			42.43
MW-15A	50.41	4/24/1998	9.57			40.84
MW-15A	50.41	5/21/1998	11.10			39.31
MW-15A	50.41	8/25/1998	11.78			38.63
MW-15A	50.41	9/21/1998	9.59			40.82
MW-15A	50.41	10/26/1998	10.69			39.72
MW-15A	50.41	11/23/1998	8.46			41.95
MW-15A	50.41	1/29/1999	7.11			43.3
MW-15A	50.41	2/26/1999	7.23			43.18
MW-15A	50.41	3/16/1999	9.17			41.24
MW-15A	50.41	4/29/1999	9.29			41.12
MW-15A	50.41	6/1/1999	9.29			41.12
MW-15A	50.41	7/30/1999	10.83			39.58
MW-15A	50.41	8/27/1999	9.39			41.02
MW-15A	50.41	9/27/1999	12.02			38.39
MW-15A	50.41	10/29/1999	13.11			37.3
MW-15A	50.41	11/17/1999	13.44			36.97
MW-15A	50.41	12/29/1999	12.49			37.92
MW-15A	50.41	2/4/2000	15.71			34.7
MW-15A	50.41	2/25/2000	11.34			39.07
MW-15A	50.41	3/27/2000	10.66			39.75
MW-15A	50.41	4/7/2000	10.20			40.21
MW-15A	50.41	5/31/2000	10.23			40.18
MW-15A	50.41	6/1/2000	10.22			40.19
MW-15A	50.41	7/28/2000	10.23			40.18
MW-15A	50.41	8/30/2000	13.34			37.07
MW-15A	50.41	9/19/2000	14.01			36.4
MW-15A	50.41	10/27/2000	11.77			38.64
MW-15A	50.41	11/21/2000	11.09			39.32
MW-15A	50.41	5/1/2001	9.85			40.56
MW-15A	50.41	10/1/2001	9.73			40.68
MW-15A	50.41	3/11/2002	8.81			41.6
MW-15A	50.41	9/23/2002	8.21			42.2
MW-15A	50.41	3/10/2003	7.76			42.65
MW-15A	50.41	9/23/2003	7.87			42.54
MW-15A	50.41	3/15/2004	7.94			42.47
MW-15A	50.41	9/13/2004	10.72			39.69
MW-15A	50.41	7/18/2005	9.33			41.08
MW-15A	50.41	1/4/2006	11.66			38.75
MW-15A	50.41	7/27/2006	7.92			42.49
MW-15A	50.41	3/7/2007	9.19			41.22
MW-15A	50.41	7/27/2007	7.88			42.53
MW-15A	50.41	1/30/2008	8.02			42.39
MW-15A	50.41	7/15/2008	10.26			40.15
MW-15A	50.41	2/4/2009	10.59			39.82
MW-15A	50.41	7/23/2009	11.01			39.4

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-15A	50.41	1/8/2010	8.64			41.77
MW-15A	50.41	7/12/2010	10.81			39.6
MW-15A	50.41	1/12/2011	8.77			41.64
MW-15A	50.41	7/12/2011	12.78			37.63
MW-15A	50.41	1/26/2012	9.29			41.12
MW-15A	50.41	7/9/2012	5.92			44.49
MW-15A	50.41	1/7/2013	10.77			39.64
MW-15A	50.41	7/22/2013	12.21			38.2
MW-15A	50.41	1/7/2014	9.85			40.56
MW-15A	50.41	7/16/2014	10.65			39.76
MW-15A	50.41	1/5/2015	9.07			41.34
MW-15A	50.41	8/10/2015	6.49			43.92
MW-15A	50.41	1/13/2016	5.79			44.62
MW-15A	50.41	7/6/2016	6.21			44.20
MW-15A	50.41	1/12/2017	6.82			43.59
MW-15A	50.41	7/6/2017	7.47			42.94
MW-15A	50.41	9/5/2017	7.43			42.98
MW-15A	50.41	2/11/2018	8.89			41.52
MW-15A	50.41	3/11/2018	9.23			41.18
MW-15A	50.41	5/14/2018	10.18			40.23
MW-15A	50.41	1/3/2019	9.41			41
MW-15A	50.41	7/9/2019	9.03			41.38
MW-15A	50.41	1/7/2020	8.57			41.84
MW-15A	50.41	7/7/2020	9.41			41.00
MW-15A	50.41	1/6/2021	8.2			42.21
MW-15A	50.41	7/13/2021	6.72			43.69
MW-15A	50.41	1/4/2022	9.09			41.32
MW-15A	50.41	7/6/2022	10.27			40.14
MW-15A	50.41	1/4/2023	9.29			41.12
MW-15A	50.41	7/6/2023	9.93			40.48
MW-15A	50.41	1/3/2024	9.07			41.34
MW-15A	50.41	7/22/2024	7.80			42.61
MW-15B	50.20	1/26/2012	10.13			40.07
MW-15B	50.20	7/9/2012	8.32			41.88
MW-15B	50.20	1/7/2013	10.71			39.49
MW-15B	50.20	7/22/2013	11.97			38.23
MW-15B	50.20	1/7/2014	9.81			40.39
MW-15B	50.20	7/15/2014	10.36			39.84
MW-15B	50.20	1/5/2015	9.26			40.94
MW-15B	50.20	8/10/2015	7.29			42.91
MW-15B	50.20	1/13/2016	6.81			43.39
MW-15B	50.20	7/6/2016	7.56			42.64
MW-15B	50.20	1/12/2017	8.09			42.11
MW-15B	50.20	7/6/2017	8.61			41.59
MW-15B	50.20	9/5/2017	8.56			41.64
MW-15B	50.20	2/11/2018	8.74			41.46
MW-15B	50.20	3/11/2018	9.09			41.11
MW-15B	50.20	5/14/2018	9.91			40.29
MW-15B	50.20	1/3/2019	9.4			40.8
MW-15B	50.20	7/9/2019	9.23			40.97
MW-15B	50.20	1/7/2020	8.39			41.81
MW-15B	50.20	7/7/2020	9.15			41.05
MW-15B	50.20	1/6/2021	8.2			42.00
MW-15B	50.20	7/13/2021	6.54			43.66
MW-15B	50.20	1/4/2022	18.89			31.31
MW-15B	50.20	7/6/2022	10.84			39.36
MW-15B	50.20	1/4/2023	9.09			41.11
MW-15B	50.20	7/6/2023	9.73			40.47
MW-15B	50.20	1/3/2024	8.84			41.36
MW-15B	50.20	7/22/2024	7.63			42.57
MW-15C	50.01	5/13/1997	33.46			16.55
MW-15C	50.01	6/20/1997	34.18			15.83
MW-15C	50.01	9/25/1997	33.77			16.24
MW-15C	50.01	10/22/1997	32.89			17.12
MW-15C	50.01	11/25/1997	32.95			17.06
MW-15C	50.01	12/19/1997	32.01			18
MW-15C	50.01	1/20/1998	29.90			20.11
MW-15C	50.01	3/4/1998	28.56			21.45
MW-15C	50.01	3/18/1998	28.53			21.48
MW-15C	50.01	4/24/1998	28.46			21.55
MW-15C	50.01	5/21/1998	35.00			15.01
MW-15C	50.01	8/25/1998	29.30			20.71
MW-15C	50.01	9/21/1998	28.15			21.86

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-15C	50.01	10/26/1998	28.11			21.9
MW-15C	50.01	11/23/1998	26.50			23.51
MW-15C	50.01	1/29/1999	25.44			24.57
MW-15C	50.01	2/26/1999	25.51			24.5
MW-15C	50.01	3/16/1999	26.11			23.9
MW-15C	50.01	4/29/1999	26.33			23.68
MW-15C	50.01	6/1/1999	26.39			23.62
MW-15C	50.01	7/30/1999	27.99			22.02
MW-15C	50.01	8/27/1999	26.51			23.5
MW-15C	50.01	9/27/1999	27.46			22.55
MW-15C	50.01	10/29/1999	28.26			21.75
MW-15C	50.01	11/17/1999	28.55			21.46
MW-15C	50.01	12/29/1999	27.61			22.4
MW-15C	50.01	2/4/2000	28.11			21.9
MW-15C	50.01	2/25/2000	28.23			21.78
MW-15C	50.01	3/27/2000	27.45			22.56
MW-15C	50.01	4/7/2000	26.11			23.9
MW-15C	50.01	5/31/2000	26.13			23.88
MW-15C	50.01	6/1/2000	26.03			23.98
MW-15C	50.01	7/28/2000	26.14			23.87
MW-15C	50.01	8/30/2000	29.11			20.9
MW-15C	50.01	9/19/2000	28.67			21.34
MW-15C	50.01	10/27/2000	27.64			22.37
MW-15C	50.01	11/21/2000	27.56			22.45
MW-15C	50.01	5/1/2001	25.24			24.77
MW-15C	50.01	10/1/2001	25.40			24.61
MW-15C	50.01	3/11/2002	24.17			25.84
MW-15C	50.01	9/23/2002	25.35			24.66
MW-15C	50.01	3/10/2003	23.52			26.49
MW-15C	50.01	9/23/2003	24.88			25.13
MW-15C	50.01	3/15/2004	22.97			27.04
MW-15C	50.01	9/13/2004	24.80			25.21
MW-15C	50.01	7/18/2005	25.17			24.84
MW-15C	50.01	1/4/2006	26.23			23.78
MW-15C	50.01	7/27/2006	24.31			25.7
MW-15C	50.01	3/7/2007	22.76			27.25
MW-15C	50.01	7/27/2007	21.03			28.98
MW-15C	50.01	1/30/2008	21.80			28.21
MW-15C	50.01	7/15/2008	23.63			26.38
MW-15C	50.01	2/4/2009	23.73			26.28
MW-15C	50.01	7/23/2009	23.96			26.05
MW-15C	50.01	1/8/2010	21.88			28.13
MW-15C	50.01	7/12/2010	23.08			26.93
MW-15C	50.01	1/12/2011	23.04			26.97
MW-15C	50.01	7/12/2011	25.09			24.92
MW-15C	50.01	1/26/2012	24.37			25.64
MW-15C	50.01	7/9/2012	24.41			25.6
MW-15C	50.01	1/7/2013	25.21			24.8
MW-15C	50.01	7/22/2013	26.10			23.91
MW-15C	50.01	1/7/2014	25.26			24.75
MW-15C	50.01	7/16/2014	24.15			25.86
MW-15C	50.01	1/5/2015	25.34			24.67
MW-15C	50.01	8/10/2015	22.74			27.27
MW-15C	50.01	1/13/2016	21.92			28.09
MW-15C	50.01	7/6/2016	22.26			27.75
MW-15C	50.01	1/12/2017	22.69			27.32
MW-15C	50.01	7/6/2017	23.31			26.70
MW-15C	50.01	9/5/2017	23.29			26.72
MW-15C	50.01	2/11/2018	23.63			26.38
MW-15C	50.01	3/11/2018	22.47			27.54
MW-15C	50.01	5/14/2018	23.33			26.68
MW-15C	50.01	1/3/2019	23.87			26.14
MW-15C	50.01	7/9/2019	22.38			27.63
MW-15C	50.01	1/7/2020	23.12			26.89
MW-15C	50.01	7/7/2020	23.09			26.92
MW-15C	50.01	1/6/2021	22.35			27.66
MW-15C	50.01	7/13/2021	20.67			29.34
MW-15C	50.01	1/4/2022	22.32			27.69
MW-15C	50.01	7/6/2022	24.67			25.34
MW-15C	50.01	1/4/2023	24.07			25.94
MW-15C	50.01	7/6/2023	24.11			25.9
MW-15C	50.01	1/3/2024	24.14			25.87
MW-15C	50.01	7/22/2024	22.15			27.86

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-16	51.51	3/25/1997	7.41			44.1
MW-16	51.51	4/23/1997	8.44			43.07
MW-16	51.51	4/24/1997	8.52			42.99
MW-16	51.51	5/13/1997	8.29			43.22
MW-16	51.51	6/20/1997	8.41			43.1
MW-16	51.51	9/25/1997	10.71			40.8
MW-16	51.51	10/22/1997	9.53			41.98
MW-16	51.51	11/25/1997	9.55			41.96
MW-16	51.51	12/19/1997	9.10			42.41
MW-16	51.51	1/20/1998	8.60			42.91
MW-16	51.51	3/4/1998	8.13			43.38
MW-16	51.51	3/18/1998	8.59			42.92
MW-16	51.51	4/24/1998	9.96			41.55
MW-16	51.51	5/21/1998	11.43			40.08
MW-16	51.51	7/30/1998	12.56			38.95
MW-16	51.51	8/25/1998	11.53			39.98
MW-16	51.51	9/21/1998	9.81			41.7
MW-16	51.51	10/26/1998	10.44			41.07
MW-16	51.51	11/23/1998	8.98			42.53
MW-16	51.51	1/29/1999	7.12			44.39
MW-16	51.51	2/26/1999	7.23			44.28
MW-16	51.51	3/16/1999	10.06			41.45
MW-16	51.51	4/29/1999	10.16			41.35
MW-16	51.51	6/1/1999	10.16			41.35
MW-16	51.51	7/30/1999	11.76			39.75
MW-16	51.51	8/27/1999	10.33			41.18
MW-16	51.51	9/27/1999	11.79			39.72
MW-16	51.51	10/29/1999	12.93			38.58
MW-16	51.51	11/17/1999	13.71			37.8
MW-16	51.51	12/29/1999	12.20			39.31
MW-16	51.51	2/4/2000	15.11			36.4
MW-16	51.51	2/25/2000	11.10			40.41
MW-16	51.51	3/27/2000	11.48			40.03
MW-16	51.51	4/7/2000	11.09			40.42
MW-16	51.51	5/31/2000	11.11			40.4
MW-16	51.51	6/1/2000	11.00			40.51
MW-16	51.51	7/28/2000	11.11			40.4
MW-16	51.51	8/30/2000	13.10			38.41
MW-16	51.51	9/19/2000	14.83			36.68
MW-16	51.51	10/27/2000	11.66			39.85
MW-16	51.51	11/21/2000	11.29			40.22
MW-16	51.51	5/1/2001	9.92			41.59
MW-16	51.51	10/1/2001	9.93			41.58
MW-16	51.51	3/11/2002	9.12			42.39
MW-16	51.51	9/23/2002	8.65			42.86
MW-16	51.51	3/10/2003	7.74			43.77
MW-16	51.51	9/23/2003	8.48			43.03
MW-16	51.51	3/15/2004	8.09			43.42
MW-16	51.51	9/13/2004	10.38			41.13
MW-16	51.51	7/18/2005	10.42			41.09
MW-16	51.51	1/4/2006	12.48			39.03
MW-16	51.51	7/27/2006	9.37			42.14
MW-16	51.51	3/7/2007	9.66			41.85
MW-16	51.51	7/27/2007	7.85			43.66
MW-16	51.51	1/31/2008	8.42	25.40	3.40	43.09
MW-16	51.51	7/15/2008	10.16			41.35
MW-16	51.51	2/5/2009	11.93			39.58
MW-16	51.51	7/23/2009	12.67			38.84
MW-16	51.51	1/8/2010	8.66			42.85
MW-16	51.51	7/12/2010	10.31			41.2
MW-16	51.51	1/12/2011	9.89			41.62
MW-16	51.51	7/12/2011	12.98			38.53
MW-16	51.51	1/26/2012	9.92			41.59
MW-16	51.51	7/9/2012	9.68			41.83
MW-16	51.51	1/7/2013	11.41			40.1
MW-16	51.51	7/22/2013	12.39			39.12
MW-16	51.51	1/7/2014	12.02			39.49
MW-16	51.51	7/15/2014	9.69			41.82
MW-16	51.51	1/5/2015	11.07			40.44
MW-16	51.51	8/10/2015	9.42			42.09
MW-17	50.92	3/25/1997	9.97			40.95
MW-17	50.92	4/23/1997	10.41			40.51
MW-17	50.92	4/24/1997	10.51			40.41

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-17	50.92	5/13/1997	10.32			40.6
MW-17	50.92	6/20/1997	11.07			39.85
MW-17	50.92	9/25/1997	12.39			38.53
MW-17	50.92	10/22/1997	11.19			39.73
MW-17	50.92	11/25/1997	11.21			39.71
MW-17	50.92	12/19/1997	11.01			39.91
MW-17	50.92	1/20/1998	10.25			40.67
MW-17	50.92	3/4/1998	9.93			40.99
MW-17	50.92	3/18/1998	9.94			40.98
MW-17	50.92	4/9/1998	11.32			39.6
MW-17	50.92	4/16/1998	11.52			39.4
MW-17	50.92	4/24/1998	11.80			39.12
MW-17	50.92	5/8/1998	NM			
MW-17	50.92	5/12/1998	NM			
MW-17	50.92	5/21/1998	13.30			37.62
MW-17	50.92	5/25/1998	NM			
MW-17	50.92	6/9/1998	NM			
MW-17	50.92	6/16/1998	NM			
MW-17	50.92	6/26/1998	NM			
MW-17	50.92	7/2/1998	NM			
MW-17	50.92	7/10/1998	NM			
MW-17	50.92	7/14/1998	NM			
MW-17	50.92	7/23/1998	NM			
MW-17	50.92	8/5/1998	NM			
MW-17	50.92	8/13/1998	NM			
MW-17	50.92	8/25/1998	13.78			37.14
MW-17	50.92	9/15/1998	NM			
MW-17	50.92	9/21/1998	11.49			39.43
MW-17	50.92	9/30/1998	NM			
MW-17	50.92	10/8/1998	NM			
MW-17	50.92	10/16/1998	NM			
MW-17	50.92	10/26/1998	12.22			38.7
MW-17	50.92	11/6/1998	NM			
MW-17	50.92	11/13/1998	NM			
MW-17	50.92	11/19/1998	NM			
MW-17	50.92	11/23/1998	10.21			40.71
MW-17	50.92	12/16/1998	NM			
MW-17	50.92	1/7/1999	NM			
MW-17	50.92	1/15/1999	NM			
MW-17	50.92	1/22/1999	NM			
MW-17	50.92	1/26/1999	NM			
MW-17	50.92	1/29/1999	10.88			40.04
MW-17	50.92	2/4/1999	NM			
MW-17	50.92	2/9/1999	NM			
MW-17	50.92	2/26/1999	10.93			39.99
MW-17	50.92	3/16/1999	11.18			39.74
MW-17	50.92	4/29/1999	11.00			39.92
MW-17	50.92	5/21/1999	11.25			39.67
MW-17	50.92	5/27/1999	11.31			39.61
MW-17	50.92	6/1/1999	11.07			39.85
MW-17	50.92	6/10/1999	11.28			39.64
MW-17	50.92	7/30/1999	12.67			38.25
MW-17	50.92	8/27/1999	11.27			39.65
MW-17	50.92	9/27/1999	14.67			36.25
MW-17	50.92	10/29/1999	15.11			35.81
MW-17	50.92	11/17/1999	16.08			34.84
MW-17	50.92	12/29/1999	14.43			36.49
MW-17	50.92	2/4/2000	17.21			33.71
MW-17	50.92	2/25/2000	13.63			37.29
MW-17	50.92	3/27/2000	13.08	32.60	0.70	37.84
MW-17	50.92	4/7/2000	12.63	32.30	1.00	38.29
MW-17	50.92	5/31/2000	12.67	32.30	1.00	38.25
MW-17	50.92	6/1/2000	12.61	32.30	1.00	38.31
MW-17	50.92	7/28/2000	12.69	32.30	1.00	38.23
MW-17	50.92	8/30/2000	15.56			35.36
MW-17	50.92	9/19/2000	16.24	32.20	1.10	34.68
MW-17	50.92	10/27/2000	14.10			36.82
MW-17	50.92	11/21/2000	13.12			37.8
MW-17	50.92	5/1/2001	11.82	32.44	0.86	39.1
MW-17	50.92	10/1/2001	12.55	32.30	1.00	38.37
MW-17	50.92	3/14/2002	10.91	31.79	1.51	40.01
MW-17	50.92	9/23/2002	10.48			40.44
MW-17	50.92	3/10/2003	9.76			41.16

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-17	50.92	9/24/2003	10.59	32.85	0.45	40.33
MW-17	50.92	3/15/2004	10.15			40.77
MW-17	50.92	9/13/2004	13.09			37.83
MW-17	50.92	7/18/2005	12.06	32.90	0.40	38.86
MW-17	50.92	1/4/2006	13.90	32.90	0.40	37.02
MW-17	50.92	7/27/2006	10.71	33.28	0.02	40.21
MW-17	50.92	3/7/2007	10.91	33.00	0.30	40.01
MW-17	50.92	7/27/2007	9.33	33.02	0.28	41.59
MW-17	50.92	1/31/2008	10.00	31.17	2.13	40.92
MW-17	50.92	7/15/2008	12.95	33.08	0.23	37.97
MW-17	50.92	2/4/2009	12.64	Trace	Trace	38.28
MW-17	50.92	1/8/2010	10.62			40.3
MW-17	50.92	7/12/2010	12.96			37.96
MW-17	50.92	7/12/2010	12.96			37.96
MW-17	50.92	1/12/2011	11.06			39.86
MW-17	50.92	7/12/2011	14.93			35.99
MW-17	50.92	1/26/2012	11.2			39.72
MW-17	50.92	7/9/2012	11.02			39.9
MW-17	50.92	1/7/2013	13.14			37.78
MW-17	50.92	7/22/2013	14.62			36.3
MW-17	50.92	1/7/2014	12.36			38.56
MW-17	50.92	7/15/2014	12.54			38.38
MW-17	50.92	1/5/2015	11.71			39.21
MW-17	50.92	8/10/2015	9.61			41.31
MW-17	50.92	1/13/2016	9.02			41.90
MW-17	50.92	7/6/2016	9.47			41.45
MW-17	50.92	1/12/2017	10.06			40.86
MW-17	50.92	7/6/2017	10.62			40.30
MW-17	50.92	9/5/2017	10.51			40.41
MW-17	50.92	2/11/2018	10.76			40.16
MW-17	50.92	3/11/2018	11.21			39.71
MW-17	50.92	5/14/2018	12.21			38.71
MW-17	50.92	1/3/2019	11.72			39.2
MW-17	50.92	7/9/2019	11.66			39.26
MW-17	50.92	1/7/2020	8.23			42.69
MW-17	50.92	7/7/2020	11.3			39.62
MW-17	50.92	1/6/2021	10.45			40.47
MW-17	50.92	7/13/2021	8.84			42.08
MW-17	50.92	1/4/2022	11.21			39.71
MW-17	50.92	7/6/2022	12.09			38.83
MW-17	50.92	1/4/2023	10.82			40.1
MW-17	50.92	7/6/2023	11.61			39.31
MW-17	50.92	1/3/2024	9.87			41.05
MW-17	50.92	7/22/2024	9.80			41.12
MW-17C	50.17	3/15/2004	22.75			27.42
MW-17C	50.17	9/13/2004	24.56			25.61
MW-17C	50.17	7/18/2005	25.02			25.15
MW-17C	50.17	1/4/2006	26.07			24.1
MW-17C	50.17	7/27/2006	24.15			26.02
MW-17C	50.17	3/7/2007	22.51			27.66
MW-17C	50.17	7/27/2007	20.93			29.24
MW-17C	50.17	1/30/2008	21.74			28.43
MW-17C	50.17	7/15/2008	23.65			26.52
MW-17C	50.17	2/4/2009	23.72			26.45
MW-17C	50.17	7/23/2009	24.08			26.09
MW-17C	50.17	1/8/2010	21.98			28.19
MW-17C	50.17	7/12/2010	23.03			27.14
MW-17C	50.17	1/12/2011	23.16			27.01
MW-17C	50.17	7/12/2011	25.11			25.06
MW-17C	50.17	1/26/2012	24.27			25.9
MW-17C	50.17	7/9/2012	24.32			25.85
MW-17C	50.17	1/7/2013	24.76			25.41
MW-17C	50.17	7/22/2013	25.89			24.28
MW-17C	50.17	1/7/2014	25.06			25.11
MW-17C	50.17	7/15/2014	23.98			26.19
MW-17C	50.17	1/5/2015	24.62			25.55
MW-17C	50.17	8/10/2015	22.47			27.70
MW-17C	50.17	1/13/2016	21.81			28.36
MW-17C	50.17	7/6/2016	22.16			28.01
MW-17C	50.17	1/12/2017	22.67			27.50
MW-17C	50.17	7/6/2017	23.09			27.08
MW-17C	50.17	9/5/2017	23.01			27.16
MW-17C	50.17	2/11/2018	23.11			27.06

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-17C	50.17	3/11/2018	22.21			27.96
MW-17C	50.17	5/14/2018	23.02			27.15
MW-17C	50.17	1/3/2019	22.71			27.46
MW-17C	50.17	7/9/2019	22.14			28.03
MW-17C	50.17	1/7/2020	23.21			26.96
MW-17C	50.17	7/7/2020	22.88			27.29
MW-17C	50.17	1/6/2021	22.18			27.99
MW-17C	50.17	7/13/2021	20.5			29.67
MW-17C	50.17	1/4/2022	22.11			28.06
MW-17C	50.17	7/6/2022	24.34			25.83
MW-17C	50.17	1/4/2023	23.56			26.61
MW-17C	50.17	7/6/2023	23.77			26.4
MW-17C	50.17	1/3/2024	21.26			28.91
MW-17C	50.17	7/22/2024	21.95			28.22
MW-18A	51.57	3/25/1997	15.41			36.16
MW-18A	51.57	4/23/1997	15.80			35.77
MW-18A	51.57	5/13/1997	14.92			36.65
MW-18A	51.57	6/20/1997	16.02			35.55
MW-18A	51.57	9/25/1997	15.15			36.42
MW-18A	51.57	10/22/1997	16.38			35.19
MW-18A	51.57	11/25/1997	16.37			35.2
MW-18A	51.57	12/19/1997	16.11			35.46
MW-18A	51.57	1/20/1998	15.49			36.08
MW-18A	51.57	3/4/1998	15.19			36.38
MW-18A	51.57	3/18/1998	14.28			37.29
MW-18A	51.57	4/24/1998	17.53			34.04
MW-18A	51.57	5/21/1998	18.41			33.16
MW-18A	51.57	7/30/1998	18.59			32.98
MW-18A	51.57	8/25/1998	16.95			34.62
MW-18A	51.57	9/21/1998	16.39			35.18
MW-18A	51.57	10/26/1998	15.77			35.8
MW-18A	51.57	11/23/1998	16.26			35.31
MW-18A	51.57	1/29/1999	17.02			34.55
MW-18A	51.57	2/26/1999	17.11			34.46
MW-18A	51.57	4/29/1999	16.01			35.56
MW-18A	51.57	6/1/1999	16.11			35.46
MW-18A	51.57	7/30/1999	17.55			34.02
MW-18A	51.57	8/27/1999	16.39			35.18
MW-18A	51.57	9/27/1999	19.13			32.44
MW-18A	51.57	10/29/1999	20.50			31.07
MW-18A	51.57	11/17/1999	21.63			29.94
MW-18A	51.57	12/29/1999	19.83			31.74
MW-18A	51.57	2/4/2000	23.71			27.86
MW-18A	51.57	2/25/2000	18.80			32.77
MW-18A	51.57	3/27/2000	17.98			33.59
MW-18A	51.57	4/7/2000	17.61			33.96
MW-18A	51.57	5/31/2000	17.65			33.92
MW-18A	51.57	6/1/2000	17.60			33.97
MW-18A	51.57	7/28/2000	17.67			33.9
MW-18A	51.57	8/30/2000	20.30			31.27
MW-18A	51.57	9/19/2000	19.54			32.03
MW-18A	51.57	10/27/2000	18.75			32.82
MW-18A	51.57	11/21/2000	16.52			35.05
MW-18A	51.57	5/1/2001	17.91	27.85	7.94	33.66
MW-18A	51.57	10/1/2001	17.47			34.1
MW-18A	51.57	3/11/2002	16.68			34.89
MW-18A	51.57	9/23/2002	15.30			36.27
MW-18A	51.57	3/10/2003	15.77			35.8
MW-18A	51.57	9/23/2003	25.08			26.49
MW-18A	51.57	3/15/2004	15.58			35.99
MW-18A	51.57	9/13/2004	18.32			33.25
MW-18A	51.57	7/18/2005	14.88			36.69
MW-18A	51.57	1/4/2006	17.96			33.61
MW-18A	51.57	7/27/2006	14.15			37.42
MW-18A	51.57	3/7/2007	17.32			34.25
MW-18A	51.57	7/27/2007	15.22			36.35
MW-18A	51.57	1/30/2008	15.63			35.94
MW-18A	51.57	7/15/2008	17.43			34.14
MW-18A	51.57	2/5/2009	18.67			32.9
MW-18A	51.57	7/23/2009	19.03			32.54
MW-18A	51.57	1/8/2010	16.51			35.06
MW-18A	51.57	7/12/2010	18.11			33.46
MW-18A	51.57	1/12/2011	15.82			35.75

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-18A	51.57	7/12/2011	19.02			32.55
MW-18A	51.57	1/26/2012	16.9			34.67
MW-18A	51.57	7/9/2012	15.06			36.51
MW-18A	51.57	1/7/2013	18.39			33.18
MW-18A	51.57	7/22/2013	18.74			32.83
MW-18A	51.57	1/7/2014	18.06			33.51
MW-18A	51.57	7/16/2014	18.14			33.43
MW-18A	51.57	1/5/2015	17.39			34.18
MW-18A	51.57	8/10/2015	15.02			36.55
MW-18A	51.57	1/13/2016	14.36			37.21
MW-18A	51.57	7/6/2016	14.71			36.86
MW-18A	51.57	1/12/2017	15.09			36.48
MW-18A	51.57	7/6/2017	15.59			35.98
MW-18A	51.57	9/5/2017	15.49			36.08
MW-18A	51.57	2/11/2018	16.62			34.95
MW-18A	51.57	3/11/2018	17.12			34.45
MW-18A	51.57	5/14/2018	17.71			33.86
MW-18A	51.57	1/3/2019	17.52			34.05
MW-18A	51.57	7/9/2019	17.51			34.06
MW-18A	51.57	1/7/2020	17.71			33.86
MW-18A	51.57	7/7/2020	16.45			35.12
MW-18A	51.57	1/6/2021	11.31			40.26
MW-18A	51.57	7/13/2021	13.22			38.35
MW-18A	51.57	1/4/2022	16.92			34.65
MW-18A	51.57	7/6/2022	16.62			34.95
MW-18A	51.57	1/4/2023	14.56			37.01
MW-18A	51.57	7/6/2023	16.53			35.04
MW-18A	51.57	1/3/2024	17.34			34.23
MW-18A	51.57	7/22/2024	14.90			36.67
MW-18C	51.47	5/13/1997	29.45			22.02
MW-18C	51.47	6/20/1997	30.37			21.1
MW-18C	51.47	9/25/1997	31.53			19.94
MW-18C	51.47	10/22/1997	30.71			20.76
MW-18C	51.47	11/25/1997	30.75			20.72
MW-18C	51.47	12/19/1997	30.10			21.37
MW-18C	51.47	1/20/1998	28.30			23.17
MW-18C	51.47	3/4/1998	27.03			24.44
MW-18C	51.47	3/18/1998	26.81			24.66
MW-18C	51.47	4/9/1998	27.04			24.43
MW-18C	51.47	4/16/1998	27.03			24.44
MW-18C	51.47	4/24/1998	27.25			24.22
MW-18C	51.47	5/8/1998	NM			
MW-18C	51.47	5/12/1998	NM			
MW-18C	51.47	5/21/1998	27.68			23.79
MW-18C	51.47	5/25/1998	NM			
MW-18C	51.47	6/9/1998	NM			
MW-18C	51.47	6/16/1998	NM			
MW-18C	51.47	6/26/1998	NM			
MW-18C	51.47	7/2/1998	NM			
MW-18C	51.47	7/10/1998	NM			
MW-18C	51.47	7/14/1998	NM			
MW-18C	51.47	7/23/1998	NM			
MW-18C	51.47	7/30/1998	28.40			23.07
MW-18C	51.47	8/5/1998	NM			
MW-18C	51.47	8/13/1998	NM			
MW-18C	51.47	8/25/1998	28.88			22.59
MW-18C	51.47	9/15/1998	NM			
MW-18C	51.47	9/21/1998	27.94			23.53
MW-18C	51.47	9/30/1998	NM			
MW-18C	51.47	10/8/1998	NM			
MW-18C	51.47	10/16/1998	NM			
MW-18C	51.47	10/26/1998	27.62			23.85
MW-18C	51.47	11/6/1998	NM			
MW-18C	51.47	11/11/1998	26.85		0.67	24.62
MW-18C	51.47	11/19/1998	NM			
MW-18C	51.47	11/23/1998	26.21			25.26
MW-18C	51.47	12/16/1998	NM			
MW-18C	51.47	1/7/1999	NM			
MW-18C	51.47	1/15/1999	NM			
MW-18C	51.47	1/22/1999	NM			
MW-18C	51.47	1/26/1999	NM			
MW-18C	51.47	1/29/1999	25.36			26.11

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-18C	51.47	2/4/1999	NM			
MW-18C	51.47	2/9/1999	NM			
MW-18C	51.47	2/26/1999	25.41			26.06
MW-18C	51.47	4/29/1999	26.33			25.14
MW-18C	51.47	5/21/1999	25.75			25.72
MW-18C	51.47	5/27/1999	25.76			25.71
MW-18C	51.47	6/1/1999	26.38			25.09
MW-18C	51.47	6/10/1999	25.68			25.79
MW-18C	51.47	7/30/1999	25.61			25.86
MW-18C	51.47	8/27/1999	26.51			24.96
MW-18C	51.47	9/27/1999	27.28			24.19
MW-18C	51.47	10/29/1999	27.95			23.52
MW-18C	51.47	11/17/1999	28.42			23.05
MW-18C	51.47	12/29/1999	27.26			24.21
MW-18C	51.47	2/4/2000	27.84			23.63
MW-18C	51.47	2/25/2000	27.83			23.64
MW-18C	51.47	3/27/2000	27.48			23.99
MW-18C	51.47	4/7/2000	25.80			25.67
MW-18C	51.47	5/31/2000	25.83			25.64
MW-18C	51.47	6/1/2000	25.81			25.66
MW-18C	51.47	7/28/2000	25.86			25.61
MW-18C	51.47	8/30/2000	28.42			23.05
MW-18C	51.47	9/19/2000	28.77	80.44	0.97	22.7
MW-18C	51.47	10/27/2000	28.69			22.78
MW-18C	51.47	11/21/2000	27.67			23.8
MW-18C	51.47	5/1/2001	25.20			26.27
MW-18C	51.47	10/1/2001	25.59			25.8
MW-18C	51.47	3/14/2002	24.35			27.12
MW-18C	51.47	9/25/2002	25.45			26.02
MW-18C	51.47	3/10/2003	23.60			27.87
MW-18C	51.47	9/24/2003	25.15			26.32
MW-18C	51.47	3/15/2004	24.23			27.24
MW-18C	51.47	9/13/2004	25.12	78.22	1.70	26.35
MW-18C	51.47	7/18/2005	25.50	66.20	0.30	25.97
MW-18C	51.47	1/4/2006	26.71			24.76
MW-18C	51.47	7/27/2006	24.80			26.67
MW-18C	51.47	3/7/2007	23.11			28.36
MW-18C	51.47	7/27/2007	24.80			26.67
MW-18C	51.47	1/30/2008	22.64			28.83
MW-18C	51.47	7/15/2008	24.43			27.04
MW-18C	51.47	2/5/2009	24.34			27.13
MW-18C	51.47	7/23/2009	24.61			26.86
MW-18C	51.47	1/8/2010	22.56			28.91
MW-18C	51.47	7/12/2010	23.77			27.7
MW-18C	51.47	1/12/2011	24.03			27.44
MW-18C	51.47	7/12/2011	25.87			25.6
MW-18C	51.47	1/26/2012	26.82			24.65
MW-18C	51.47	7/9/2012	24.82			26.65
MW-18C	51.47	1/7/2013	25.61			25.86
MW-18C	51.47	7/22/2013	26.76			24.71
MW-18C	51.47	1/7/2014	25.68			25.79
MW-18C	51.47	7/16/2014	24.60			26.87
MW-18C	51.47	1/5/2015	25.02			26.45
MW-18C	51.47	8/10/2015	23.41			28.06
MW-18C	51.47	1/13/2016	22.76			28.71
MW-18C	51.47	7/6/2016	23.12			28.35
MW-18C	51.47	1/12/2017	23.73			27.74
MW-18C	51.47	7/6/2017	24.13			27.34
MW-18C	51.47	9/5/2017	24.08			27.39
MW-18C	51.47	2/11/2018	23.7			27.77
MW-18C	51.47	3/11/2018	22.88			28.59
MW-18C	51.47	5/14/2018	23.47			28.00
MW-18C	51.47	1/3/2019	23.01			28.46
MW-18C	51.47	7/9/2019	23.08			28.39
MW-18C	51.47	1/7/2020	23.54			27.93
MW-18C	51.47	7/7/2020	23.48			27.99
MW-18C	51.47	1/6/2021	22.85			28.62
MW-18C	51.47	7/13/2021	21.3			30.17
MW-18C	51.47	1/4/2022	22.74			28.73
MW-18C	51.47	7/6/2022	24.91			26.56
MW-18C	51.47	1/4/2023	24.04			27.43
MW-18C	51.47	7/6/2023	24.27			27.2
MW-18C	51.47	1/3/2024	24.29			27.18

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-18C	51.47	7/22/2024	22.35			29.12

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-19C	53.05	11/23/1998	28.84			24.21
MW-19C	53.05	1/29/1999	28.21			24.84
MW-19C	53.05	2/26/1999	28.28			24.77
MW-19C	53.05	3/16/1999	28.31			24.74
MW-19C	53.05	4/29/1999	28.56			24.49
MW-19C	53.05	6/1/1999	28.48			24.57
MW-19C	53.05	7/30/1999	30.00			23.05
MW-19C	53.05	8/27/1999	28.61			24.44
MW-19C	53.05	9/27/1999	29.72			23.33
MW-19C	53.05	10/29/1999	30.46			22.59
MW-19C	53.05	11/17/1999	30.76			22.29
MW-19C	53.05	12/29/1999	29.44			23.61
MW-19C	53.05	2/4/2000	30.22			22.83
MW-19C	53.05	2/25/2000	29.93			23.12
MW-19C	53.05	3/27/2000	29.80			23.25
MW-19C	53.05	4/7/2000	28.40			24.65
MW-19C	53.05	5/31/2000	28.44			24.61
MW-19C	53.05	6/1/2000	28.33			24.72
MW-19C	53.05	7/28/2000	28.37			24.68
MW-19C	53.05	8/30/2000	29.99			23.06
MW-19C	53.05	9/19/2000	30.97			22.08
MW-19C	53.05	10/27/2000	28.49			24.56
MW-19C	53.05	11/21/2000	29.88			23.17
MW-19C	53.05	5/1/2001	27.61	71.55	3.56	25.44
MW-19C	53.05	10/1/2001	27.84			25.21
MW-19C	53.05	3/11/2002	26.68			26.37
MW-19C	53.05	9/23/2002	27.66			25.39
MW-19C	53.05	3/10/2003	25.77			27.28
MW-19C	53.05	9/23/2003	27.21			25.84
MW-19C	53.05	3/15/2004	25.36			27.69
MW-19C	53.05	9/13/2004	27.20			25.85
MW-19C	53.05	7/18/2005	27.71			25.34
MW-19C	53.05	1/4/2006	28.78			24.27
MW-19C	53.05	7/27/2006	26.91			26.14
MW-19C	53.05	3/7/2007	25.22			27.83
MW-19C	53.05	7/27/2007	23.71			29.34
MW-19C	53.05	1/31/2008	24.57			28.48
MW-19C	53.05	7/15/2008	26.38			26.67
MW-19C	53.05	2/4/2009	26.44			26.61
MW-19C	53.05	7/23/2009	26.81			26.24
MW-19C	53.05	1/9/2010	24.47			28.58
MW-19C	53.05	7/12/2010	25.67			27.38
MW-19C	53.05	1/12/2011	25.86			27.19
MW-19C	53.05	7/12/2011	27.81			25.24
MW-19C	53.05	1/26/2012	26.74			26.31
MW-19C	53.05	7/9/2012	27.26			25.79
MW-19C	53.05	1/7/2013	27.73			25.32
MW-19C	53.05	7/22/2013	28.58			24.47
MW-19C	53.05	1/7/2014	27.71			25.34
MW-19C	53.05	7/15/2014	26.65			26.40
MW-19C	53.05	1/5/2015	27.34			25.71
MW-19C	53.05	8/10/2015	25.21			27.84
MW-19C	53.05	1/13/2016	24.68			28.37
MW-19C	53.05	7/6/2016	NM			
MW-19C	53.05	2/11/2018	21.74			31.31
MW-19C	53.05	3/11/2018	24.74			28.31
MW-19C	53.05	5/14/2018	25.72			27.33
MW-19C	53.05	1/3/2019	25.03			28.02
MW-19C	53.05	7/9/2019	24.58			28.47
MW-19C	53.05	1/8/2020	25.71			27.34
MW-19C	53.05	7/7/2020	25.55			27.50
MW-19C	53.05	1/4/2021	24.84			28.21
MW-19C	53.05	7/13/2021	23.11			29.94
MW-19C	53.05	1/4/2022	24.81			28.24
MW-19C	53.05	7/6/2022	26.88			26.17
MW-19C	53.05	1/4/2023	26.11			26.94
MW-19C	53.05	7/6/2023	26.36			26.69
MW-19C	53.05	1/3/2024	26.29			26.76
MW-19C	53.05	7/22/2024	24.33			28.72
MW-20A	50.43	11/23/1998	8.31			42.116
MW-20A	50.43	1/29/1999	8.70			41.726
MW-20A	50.43	2/26/1999	8.81			41.616
MW-20A	50.43	3/16/1999	9.26			41.166

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-20A	50.43	4/29/1999	9.33			41.096
MW-20A	50.43	6/1/1999	9.30			41.126
MW-20A	50.43	7/30/1999	10.91			39.516
MW-20A	50.43	8/27/1999	9.56			40.866
MW-20A	50.43	9/27/1999	10.79			39.636
MW-20A	50.43	10/29/1999	11.96			38.466
MW-20A	50.43	11/17/1999	13.06			37.366
MW-20A	50.43	12/29/1999	11.11			39.316
MW-20A	50.43	2/4/2000	14.89			35.536
MW-20A	50.43	2/25/2000	10.33			40.096
MW-20A	50.43	3/27/2000	10.79			39.636
MW-20A	50.43	4/7/2000	10.41			40.016
MW-20A	50.43	5/31/2000	10.46			39.966
MW-20A	50.43	6/1/2000	10.41			40.016
MW-20A	50.43	7/28/2000	10.47			39.956
MW-20A	50.43	8/30/2000	12.56			37.866
MW-20A	50.43	9/19/2000	13.68			36.746
MW-20A	50.43	10/27/2000	11.01			39.416
MW-20A	50.43	11/21/2000	10.64			39.786
MW-20A	50.43	5/1/2001	9.40			41.03
MW-20A	50.43	10/1/2001	10.42			40.01
MW-20A	50.43	3/11/2002	8.59			41.836
MW-20A	50.43	9/23/2002	8.51			41.916
MW-20A	50.43	3/10/2003	7.42			43.006
MW-20A	50.43	9/23/2003	7.95			42.476
MW-20A	50.43	3/15/2004	7.72			42.706
MW-20A	50.43	9/13/2004	10.22			40.206
MW-20A	50.43	7/18/2005	9.88			40.546
MW-20A	50.43	1/4/2006	11.72			38.706
MW-20A	50.43	7/27/2006	8.59			41.836
MW-20A	50.43	3/7/2007	8.91			41.516
MW-20A	50.43	7/27/2007	7.63			42.796
MW-20A	50.43	1/30/2008	7.91			42.516
MW-20A	50.43	7/15/2008	10.05			40.376
MW-20A	50.43	2/4/2009	10.18			40.246
MW-20A	50.43	7/23/2009	10.47			39.956
MW-20A	50.43	1/9/2010	8.23			42.196
MW-20A	50.43	7/12/2010	10.62			39.806
MW-20A	50.43	1/12/2011	8.76			41.666
MW-20A	50.43	7/12/2011	12.53			37.896
MW-20A	50.43	1/26/2012	11.61			38.816
MW-20A	50.43	7/9/2012	9.18			41.246
MW-20A	50.43	1/7/2013	10.66			39.766
MW-20A	50.43	7/22/2013	12.17			38.256
MW-20A	50.43	1/7/2014	11.62			38.806
MW-20A	50.43	7/15/2014	9.83			40.60
MW-20A	50.43	1/5/2015	11.09			39.34
MW-20A	50.43	8/10/2015	9.34			41.09
MW-20A	50.43	7/6/2017	8.12			42.31
MW-20A	50.43	9/6/2017	8.06			42.37
MW-20A	50.43	2/11/2018	9.22			41.21
MW-20A	50.43	3/11/2018	9.03			41.396
MW-20A	50.43	5/14/2018	9.89			40.536
MW-20A	50.43	1/3/2019	9.26			41.17
MW-20A	50.43	7/9/2019	9.04			41.386
MW-20A	50.43	1/7/2020	9.06			41.366
MW-20A	50.43	1/6/2021	8.21			42.216
MW-20A	50.43	7/13/2021	6.71			43.72
MW-20A	50.43	1/4/2022	8.91			41.52
MW-20A	50.43	7/6/2022	9.94			40.49
MW-20A	50.43	1/4/2023	9.21			41.22
MW-20A	50.43	7/6/2023	9.39			41.04
MW-20A	50.43	1/3/2024	9.06			41.37
MW-20A	50.43	7/22/2024	7.41			43.02
MW-21C	49.05	11/23/1998	27.83			21.223
MW-21C	49.05	1/29/1999	27.11			21.943
MW-21C	49.05	2/26/1999	27.26			21.793
MW-21C	49.05	3/16/1999	27.42			21.633
MW-21C	49.05	4/29/1999	27.99			21.063
MW-21C	49.05	6/1/1999	27.80			21.253
MW-21C	49.05	7/30/1999	29.00			20.053
MW-21C	49.05	8/27/1999	27.99			21.063
MW-21C	49.05	9/27/1999	28.43			20.623

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-21C	49.05	10/29/1999	29.12			19.933
MW-21C	49.05	11/18/1999	29.25			19.803
MW-21C	49.05	12/29/1999	10.89			38.163
MW-21C	49.05	2/4/2000	28.94			20.113
MW-21C	49.05	2/25/2000	11.43			37.623
MW-21C	49.05	3/27/2000	28.13			20.923
MW-21C	49.05	4/7/2000	26.79			22.263
MW-21C	49.05	5/31/2000	26.83			22.223
MW-21C	49.05	6/1/2000	26.83			22.223
MW-21C	49.05	7/28/2000	26.88			22.173
MW-21C	49.05	8/30/2000	29.91			19.143
MW-21C	49.05	9/19/2000	29.15			19.903
MW-21C	49.05	10/27/2000	30.21			18.843
MW-21C	49.05	11/21/2000	28.33			20.723
MW-21C	49.05	5/1/2001	26.01			23.04
MW-21C	49.05	10/1/2001	26.05			23
MW-21C	49.05	3/11/2002	24.80			24.253
MW-21C	49.05	9/23/2002	25.50			23.553
MW-21C	49.05	3/10/2003	23.82			25.233
MW-21C	49.05	9/23/2003	25.08			23.973
MW-21C	49.05	3/15/2004	23.48			25.573
MW-21C	49.05	9/13/2004	25.44			23.613
MW-21C	49.05	7/18/2005	25.33			23.723
MW-21C	49.05	1/4/2006	26.44			22.613
MW-21C	49.05	7/27/2006	24.55			24.503
MW-21C	49.05	3/7/2007	22.91			26.143
MW-21C	49.05	7/27/2007	21.29			27.763
MW-21C	49.05	1/29/2008	22.09			26.963
MW-21C	49.05	7/15/2008	23.31			25.743
MW-21C	49.05	2/4/2009	24.03			25.023
MW-21C	49.05	7/24/2009	24.29			24.763
MW-21C	49.05	1/9/2010	21.89			27.163
MW-21C	49.05	7/12/2010	23.01			26.043
MW-21C	49.05	1/12/2011	23.21			25.843
MW-21C	49.05	7/12/2011	25.09			23.963
MW-21C	49.05	1/26/2012	24.48			24.573
MW-21C	49.05	7/9/2012	23.39			25.663
MW-21C	49.05	1/7/2013	25.17			23.883
MW-21C	49.05	7/22/2013	26.49			22.563
MW-21C	49.05	1/7/2014	25.94			23.113
MW-21C	49.05	7/15/2014	24.61			24.44
MW-21C	49.05	1/5/2015	25.31			23.74
MW-21C	49.05	8/10/2015	23.37			25.68
MW-21C	49.05	1/13/2016	22.71			26.34
MW-21C	49.05	7/6/2016	23.04			26.01
MW-21C	49.05	1/12/2017	23.59			25.46
MW-21C	49.05	7/6/2017	24.02			25.03
MW-21C	49.05	9/5/2017	23.96			25.09
MW-21C	49.05	2/11/2018	24.08			24.97
MW-21C	49.05	3/11/2018	23.07			25.98
MW-21C	49.05	5/14/2018	23.97			25.08
MW-21C	49.05	1/3/2019	23.17			25.88
MW-21C	49.05	7/9/2019	23.11			25.943
MW-21C	49.05	1/7/2020	23.46			25.59
MW-21C	49.05	7/8/2020	23.36			25.69
MW-21C	49.05	1/6/2021	22.41			26.64
MW-21C	49.05	7/13/2021	20.62			28.43
MW-21C	49.05	1/4/2022	22.71			26.34
MW-21C	49.05	7/6/2022	25.33			23.72
MW-21C	49.05	1/4/2023	24.33			24.72
MW-21C	49.05	7/6/2023	24.78			24.27
MW-21C	49.05	1/3/2024	24.63			24.42
MW-21C	49.05	7/22/2024	22.73			26.32
MW-22A	46.07	11/23/1998	NM			
MW-22A	46.07	1/29/1999	2.10			43.969
MW-22A	46.07	2/26/1999	2.21			43.859
MW-22A	46.07	3/16/1999	2.65			43.419
MW-22A	46.07	4/29/1999	2.71			43.359
MW-22A	46.07	6/1/1999	2.68			43.389
MW-22A	46.07	7/30/1999	4.12			41.949
MW-22A	46.07	8/27/1999	2.81			43.259
MW-22A	46.07	9/27/1999	8.53			37.539
MW-22A	46.07	10/29/1999	10.23			35.839

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-22A	46.07	11/18/1999	9.92			36.149
MW-22A	46.07	12/29/1999	9.56			36.509
MW-22A	46.07	2/4/2000	12.31			33.759
MW-22A	46.07	2/25/2000	8.72			37.349
MW-22A	46.07	3/27/2000	6.30			39.769
MW-22A	46.07	4/7/2000	6.03			40.039
MW-22A	46.07	5/31/2000	6.12			39.949
MW-22A	46.07	6/1/2000	6.00			40.069
MW-22A	46.07	7/28/2000	6.13			39.939
MW-22A	46.07	8/30/2000	9.09			36.979
MW-22A	46.07	9/19/2000	10.12			35.949
MW-22A	46.07	10/27/2000	8.64			37.429
MW-22A	46.07	11/21/2000	7.69			38.379
MW-22A	46.07	5/1/2001	5.15			40.92
MW-22A	46.07	10/1/2001	5.49			40.58
MW-22A	46.07	3/11/2002	2.34			43.729
MW-22A	46.07	9/23/2002	2.11			43.959
MW-22A	46.07	3/10/2003	1.68			44.389
MW-22A	46.07	9/23/2003	2.30			43.769
MW-22A	46.07	3/15/2004	2.05			44.019
MW-22A	46.07	9/14/2004	6.89			39.179
MW-22A	46.07	7/18/2005	3.65			42.419
MW-22A	46.07	1/6/2006	7.29			38.779
MW-22A	46.07	7/27/2006	1.65			44.419
MW-22A	46.07	3/7/2007	NM			
MW-22A	46.07	7/27/2007	2.84			43.229
MW-22A	46.07	1/29/2008	1.05			45.019
MW-22A	46.07	7/14/2008	5.33			40.739
MW-22A	46.07	2/3/2009	5.24			40.829
MW-22A	46.07	7/23/2009	5.91			40.159
MW-22A	46.07	1/9/2010	1.32			44.749
MW-22A	46.07	7/12/2010	6.52			39.549
MW-22A	46.07	1/12/2011	3.21			42.859
MW-22A	46.07	7/11/2011	8.39			37.679
MW-22A	46.07	1/27/2012	0.98			45.089
MW-22A	46.07	7/10/2012	1.74			44.326
MW-22A	46.07	1/8/2013	3.09			42.979
MW-22A	46.07	7/22/2013	NM			
MW-22A	46.07	1/7/2014	3.81			42.26
MW-22A	46.07	7/15/2014	3.22			42.85
MW-22A	46.07	1/5/2015	NM			
MW-22A	46.07	8/10/2015	NM			
MW-22A	46.07	1/13/2016	NM			
MW-22A	46.07	7/6/2016	NM			
MW-22A	46.07	1/12/2017	NM			
MW-22A	46.07	7/6/2017	NM			
MW-22A	46.07	9/5/2017	NM	REPLACED		
MW-22AR	45.56	2/11/2018	3.43			42.13
MW-22AR	45.56	3/11/2018	2.24			43.32
MW-22AR	45.56	5/14/2018	4.41			41.15
MW-22AR	45.56	7/2/2018	4.48			41.08
MW-22AR	45.56	1/3/2019	3.67			41.89
MW-22AR	45.56	7/9/2019	3.96			41.60
MW-22AR	45.56	2/10/2020	1.55			44.01
MW-22AR	45.56	7/7/2020	1.79			43.77
MW-22AR	45.56	1/4/2021	1.91			43.65
MW-22AR	45.56	7/6/2021	0			45.56
MW-22AR	45.56	1/5/2022	0.33			45.23
MW-22AR	45.56	7/6/2022	6.22			39.34
MW-22AR	45.56	1/4/2023	0.79			44.77
MW-22AR	45.56	7/6/2023	5.84			39.72
MW-22AR	45.56	1/3/2024	0.08			45.48
MW-22AR	45.56	7/22/2024	0.60			44.96
MW-22B	45.86	11/23/1998	2.25			43.606
MW-22B	45.86	1/29/1999	2.28			43.576
MW-22B	45.86	2/26/1999	2.34			43.516
MW-22B	45.86	3/16/1999	2.42			43.436
MW-22B	45.86	4/29/1999	2.56			43.296
MW-22B	45.86	6/1/1999	2.60			43.256
MW-22B	45.86	7/30/1999	4.31			41.546
MW-22B	45.86	8/27/1999	2.83			43.026
MW-22B	45.86	9/27/1999	8.45			37.406
MW-22B	45.86	10/29/1999	10.11			35.746

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-22B	45.86	11/18/1999	9.75			36.106
MW-22B	45.86	12/29/1999	9.43			36.426
MW-22B	45.86	2/4/2000	12.56			33.296
MW-22B	45.86	2/25/2000	8.63			37.226
MW-22B	45.86	3/27/2000	6.00			39.856
MW-22B	45.86	4/7/2000	5.64			40.216
MW-22B	45.86	5/31/2000	5.69			40.166
MW-22B	45.86	6/1/2000	5.61			40.246
MW-22B	45.86	7/28/2000	5.67			40.186
MW-22B	45.86	8/30/2000	8.57			37.286
MW-22B	45.86	9/19/2000	9.94			35.916
MW-22B	45.86	10/27/2000	7.03			38.826
MW-22B	45.86	11/21/2000	7.63			38.226
MW-22B	45.86	5/1/2001	4.93			40.93
MW-22B	45.86	10/1/2001	5.40			40.46
MW-22B	45.86	3/11/2002	1.75			44.106
MW-22B	45.86	9/23/2002	2.11			43.746
MW-22B	45.86	3/10/2003	1.02			44.836
MW-22B	45.86	9/23/2003	2.99			42.866
MW-22B	45.86	3/15/2004	1.20			44.656
MW-22B	45.86	9/14/2004	NM			
MW-22B	45.86	7/18/2005	NM			
MW-22B	45.86	1/6/2006	7.05			38.806
MW-22B	45.86	7/27/2006	1.58			44.276
MW-22B	45.86	3/7/2007	NM			
MW-22B	45.86	7/27/2007	2.85			43.006
MW-22B	45.86	1/29/2008	0.85			45.006
MW-22B	45.86	7/14/2008	5.45			40.406
MW-22B	45.86	2/3/2009	4.78			41.076
MW-22B	45.86	7/23/2009	5.39			40.466
MW-22B	45.86	1/9/2010	3.27			42.586
MW-22B	45.86	7/12/2010	6.21			39.646
MW-22B	45.86	1/12/2011	0.37			45.486
MW-22B	45.86	7/11/2011	8.32			37.536
MW-22B	45.86	1/27/2012	0.06			45.796
MW-22B	45.86	7/10/2012	1.27			44.586
MW-22B	45.86	1/8/2013	NM			
MW-22B	45.86	7/22/2013	NM			
MW-22B	45.86	1/7/2014	4.14			41.716
MW-22B	45.86	7/15/2014	3.79			42.07
MW-22B	45.86	1/5/2015	3.87			41.99
MW-22B	45.86	8/10/2015	2.62			43.24
MW-22B	45.86	1/13/2016	2.09			43.77
MW-22B	45.86	7/6/2016	NM			
MW-22B	45.86	1/12/2017	NM			
MW-22B	45.86	7/6/2017	NM			
MW-22B	45.86	9/5/2017	NM	REPLACED		
MW-22BR	45.71	2/11/2018	4.14			41.57
MW-22BR	45.71	3/12/2018	3.29			42.42
MW-22BR	45.71	5/14/2018	5.27			40.44
MW-22BR	45.71	7/2/2018	5.39			40.32
MW-22BR	45.71	1/3/2019	4.29			41.42
MW-22BR	45.71	7/9/2019	4.41			41.3
MW-22BR	45.71	2/10/2020	1.44			44.27
MW-22BR	45.71	7/7/2020	2.92			42.79
MW-22BR	45.71	1/4/2021	0.89			44.82
MW-22BR	45.71	7/6/2021	0			45.71
MW-22BR	45.71	1/5/2022	1.26			44.45
MW-22BR	45.71	7/6/2022	5.23			40.48
MW-22BR	45.71	1/4/2023	0.63			45.08
MW-22BR	45.71	7/6/2023	5.94			39.77
MW-22BR	45.71	1/3/2024	0.12			45.59
MW-22BR	45.71	7/22/2024	1.00			44.71
MW-23C	51.91	11/23/1998	27.41			24.504
MW-23C	51.91	1/29/1999	26.80			25.114
MW-23C	51.91	2/26/1999	26.88			25.034
MW-23C	51.91	3/16/1999	26.93			24.984
MW-23C	51.91	4/29/1999	27.09			24.824
MW-23C	51.91	6/1/1999	27.00			24.914
MW-23C	51.91	7/30/1999	29.55			22.364
MW-23C	51.91	8/27/1999	27.29			24.624
MW-23C	51.91	9/27/1999	28.40			23.514
MW-23C	51.91	10/29/1999	29.11			22.804

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-23C	51.91	11/17/1999	29.49			22.424
MW-23C	51.91	12/29/1999	28.46			23.454
MW-23C	51.91	2/4/2000	28.96			22.954
MW-23C	51.91	2/25/2000	28.96			22.954
MW-23C	51.91	3/27/2000	28.61			23.304
MW-23C	51.91	4/7/2000	27.10			24.814
MW-23C	51.91	5/31/2000	27.15			24.764
MW-23C	51.91	6/1/2000	27.11			24.804
MW-23C	51.91	7/28/2000	27.15			24.764
MW-23C	51.91	8/30/2000	29.96			21.954
MW-23C	51.91	9/19/2000	29.77			22.144
MW-23C	51.91	10/27/2000	28.44			23.474
MW-23C	51.91	11/21/2000	28.61			23.304
MW-23C	51.91	5/1/2001	26.26			25.65
MW-23C	51.91	10/1/2001	26.50		0.60	25.41
MW-23C	51.91	3/11/2002	25.33			26.584
MW-23C	51.91	9/23/2002	26.43			25.484
MW-23C	51.91	3/10/2003	24.53			27.384
MW-23C	51.91	9/23/2003	25.95			25.964
MW-23C	51.91	3/15/2004	24.15			27.764
MW-23C	51.91	9/13/2004	25.97			25.944
MW-23C	51.91	7/18/2005	26.46			25.454
MW-23C	51.91	1/4/2006	27.53			24.384
MW-23C	51.91	3/7/2007	23.96			27.954
MW-23C	51.91	7/27/2007	22.41			29.504
MW-23C	51.91	1/31/2008	23.22	75.98	1.71	28.694
MW-23C	48.89[1]	2/4/2009	22.11	72.05	1.47	26.78
MW-23C	48.89[1]	7/23/2009	22.93	73.01	0.51	25.961
MW-23C	48.89[1]	1/9/2010	20.29	71.8	1.72	28.601
MW-23C	48.89[1]	5/27/2010	22.81	71.5	2.02	26.081
MW-23C	48.89[1]	6/28/2010	22.93	72.15	1.37	25.961
MW-23C	48.89[1]	7/12/2010	21.41	72.4	1.12	27.481
MW-23C	48.89[1]	8/31/2010	21.61	72.65	0.87	27.281
MW-23C	48.89[1]	1/12/2011	21.7	71.25	1.45	27.191
MW-23C	48.89	7/12/2011	23.11	70.65	2.05	25.782
MW-23C	48.89	1/26/2012	22.81	71.57	1.13	26.082
MW-23C	48.89	7/9/2012	22.31	71.45	1.25	26.582
MW-23C	48.89	1/7/2013	23.32	71.06	1.64	25.572
MW-23C	48.89	7/22/2013	24.38			24.512
MW-23C	48.89	1/7/2014	23.51	70.8	2.30	25.38
MW-23C	48.89	7/15/2014	24.06	70.96	2.14	24.83
MW-23C	48.89	1/5/2015	22.47	71.72	1.08	26.42
MW-23C	48.89	8/10/2015	19.34	72.17	0.63	29.55
MW-23C	48.89	1/13/2016	23.16	71.91	0.89	25.73
MW-23C	48.89	7/6/2016	23.09	71.56	1.24	25.80
MW-23C	48.89	1/12/2017	23.74	71.81	0.99	25.15
MW-23C	54.16	7/6/2017	23.61	77.27	0.53	30.55
MW-23C	54.16	9/5/2017	23.67	77.29	0.51	30.49
MW-23C	54.16	2/7/2018	23.86	77.46	0.34	30.30
MW-23C	54.16	3/11/2018	23.99	77.41	0.39	30.17
MW-23C	54.16	5/14/2018	25.02	77.49	0.31	29.14
MW-23C	54.16	1/3/2019	24.29	77.31	0.49	29.87
MW-23C	54.16	7/9/2019	24.42	76.99	0.81	29.74
MW-23C	54.16	1/9/2020	26.59	75.3	1.50	27.57
MW-23C	54.16	7/7/2020	26.51	76.7	0.10	27.65
MW-23C	54.16	1/6/2021	25.85			28.31
MW-23C	54.16	7/13/2021	24.2	75.48	1.32	29.96
MW-23C	54.16	1/4/2022	25.87			28.29
MW-23C	54.16	7/6/2022	27.87			26.29
MW-23C	54.16	1/4/2023	27.08			27.08
MW-23C	54.16	7/6/2023	27.36			26.8
MW-23C	54.16	1/3/2024	27.51			26.65
MW-23C	54.16	7/22/2024	25.40			28.76
MW-24A	45.79	3/27/2000	7.87			37.92
MW-24A	45.79	4/7/2000	7.63			38.16
MW-24A	45.79	5/31/2000	7.65			38.14
MW-24A	45.79	6/1/2000	7.43			38.36
MW-24A	45.79	7/28/2000	7.60			38.19
MW-24A	45.79	8/30/2000	10.44			35.35
MW-24A	45.79	9/19/2000	10.57			35.22
MW-24A	45.79	10/27/2000	NM			NM
MW-24A	45.79	11/21/2000	7.09			38.7
MW-24A	45.79	5/1/2001	6.72			39.07

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-24A	45.79	10/1/2001	7.81			37.98
MW-24A	45.79	3/11/2002	3.91			41.88
MW-24A	45.79	9/23/2002	5.04			40.75
MW-24A	45.79	3/10/2003	2.76			43.03
MW-24A	45.79	9/23/2003	4.66			41.13
MW-24A	45.79	3/15/2004	3.10			42.69
MW-24A	45.79	9/14/2004	8.24			37.55
MW-24A	45.79	7/18/2005	6.03			39.76
MW-24A	45.79	1/6/2006	8.93			36.86
MW-24A	45.79	7/27/2006	4.21			41.58
MW-24A	45.79	3/7/2007	3.86			41.93
MW-24A	45.79	1/30/2008	NM			NM
MW-24AR	45.65	2/5/2009	5.18			40.47
MW-24AR	45.65	7/23/2009	7.36			38.29
MW-24AR	45.65	1/9/2010	3.72			41.93
MW-24AR	45.65	7/12/2010	4.29			41.36
MW-24AR	45.65	1/13/2011	3.58			42.07
MW-24AR	45.65	7/11/2011	6.38			39.27
MW-24AR	45.65	1/27/2012	4.59			41.06
MW-24AR	45.65	7/10/2012	4.38			41.27
MW-24AR	45.65	1/8/2013	5.59			40.06
MW-24AR	45.65	7/23/2013	10.14			35.51
MW-24AR	45.65	1/8/2014	7.11			38.54
MW-24AR	45.65	1/5/2015	NM			NM
MW-24AR	45.65	7/6/2016	NM			NM
MW-24B	46.06	3/27/2000	11.91			34.15
MW-24B	46.06	4/7/2000	11.60			34.46
MW-24B	46.06	5/31/2000	11.63			34.43
MW-24B	46.06	6/1/2000	11.51			34.55
MW-24B	46.06	7/28/2000	11.69			34.37
MW-24B	46.06	8/30/2000	13.91			32.15
MW-24B	46.06	9/19/2000	14.72			31.34
MW-24B	46.06	10/27/2000	12.44			33.62
MW-24B	46.06	11/21/2000	11.38			34.68
MW-24B	46.06	5/1/2001	10.71			35.35
MW-24B	46.06	10/1/2001	11.75			34.31
MW-24B	46.06	3/11/2002	9.01			37.05
MW-24B	46.06	9/23/2002	9.69			36.37
MW-24B	46.06	3/10/2003	7.83			38.23
MW-24B	46.06	9/23/2003	8.98			37.08
MW-24B	46.06	3/15/2004	7.33			38.73
MW-24B	46.06	9/14/2004	9.24			36.82
MW-24B	46.06	7/18/2005	9.54			36.52
MW-24B	46.06	1/6/2006	11.86			34.2
MW-24B	46.06	7/27/2006	10.50			35.56
MW-24B	46.06	3/7/2007	8.88			37.18
MW-24B	46.06	7/27/2007	9.85			36.21
MW-24B	46.06	1/28/2008	7.37			38.69
MW-24B	46.06	7/14/2008	11.41			34.65
MW-24B	46.06	2/3/2009	11.18			34.88
MW-24B	46.06	7/23/2009	12.26			33.8
MW-24B	46.06	1/9/2010	9.89			36.17
MW-24B	46.06	7/12/2010	12.82			33.24
MW-24B	46.06	1/13/2011	11.1			34.96
MW-24B	46.06	7/11/2011	14.09			31.97
MW-24B	46.06	1/27/2012	11.36			34.7
MW-24B	46.06	7/10/2012	10.49			35.57
MW-24B	46.06	1/8/2013	12.96			33.1
MW-24B	46.06	7/23/2013	8.49			37.57
MW-24B	46.06	1/5/2015	NM			NM
MW-24C	46.05	3/27/2000	25.77			20.28
MW-24C	46.05	4/7/2000	24.27			21.78
MW-24C	46.05	5/31/2000	24.30			21.75
MW-24C	46.05	6/1/2000	24.22			21.83
MW-24C	46.05	7/28/2000	24.26			21.79
MW-24C	46.05	8/30/2000	27.34			18.71
MW-24C	46.05	9/19/2000	26.59			19.46
MW-24C	46.05	10/27/2000	27.64			18.41
MW-24C	46.05	11/21/2000	25.43			20.62
MW-24C	46.05	5/1/2001	23.90			22.15
MW-24C	46.05	10/1/2001	23.71			22.34
MW-24C	46.05	3/11/2002	22.40			23.65
MW-24C	46.05	9/23/2002	23.04			23.01

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-24C	46.05	3/10/2003	21.71			24.34
MW-24C	46.05	9/23/2003	23.04			23.01
MW-24C	46.05	3/15/2004	21.45			24.6
MW-24C	46.05	9/14/2004	22.45			23.6
MW-24C	46.05	7/18/2005	22.19			23.86
MW-24C	46.05	1/6/2006	23.57			22.48
MW-24C	46.05	7/27/2006	22.61			23.44
MW-24C	46.05	3/7/2007	21.07			24.98
MW-24C	46.05	7/27/2007	19.62			26.43
MW-24C	46.05	1/28/2008	19.43			26.62
MW-24C	46.05	7/14/2008	20.63			25.42
MW-24C	46.05	2/3/2009	21.68			24.37
MW-24C	46.05	7/23/2009	23.07			22.98
MW-24C	46.05	1/9/2010	20.46			25.59
MW-24C	46.05	7/12/2010	20.44			25.61
MW-24C	46.05	1/13/2011	20.26			25.79
MW-24C	46.05	7/11/2011	21.59			24.46
MW-24C	46.05	1/27/2012	21.23			24.82
MW-24C	46.05	7/10/2012	20.81			25.24
MW-24C	46.05	1/8/2013	22.42			23.63
MW-24C	46.05	7/23/2013	23.81			22.24
MW-24C	46.05	1/5/2015	NM			
MW-25A	44.65	3/27/2000	9.15			35.5
MW-25A	44.65	4/7/2000	8.79			35.86
MW-25A	44.65	5/31/2000	8.81			35.84
MW-25A	44.65	6/1/2000	8.86			35.79
MW-25A	44.65	7/28/2000	8.84			35.81
MW-25A	44.65	8/30/2000	11.43			33.22
MW-25A	44.65	9/19/2000	11.12			33.53
MW-25A	44.65	10/27/2000	10.09			34.56
MW-25A	44.65	11/21/2000	8.10			36.55
MW-25A	44.65	5/1/2001	8.94			35.71
MW-25A	44.65	10/1/2001	8.81			35.84
MW-25A	44.65	3/11/2002	7.23			37.42
MW-25A	44.65	9/23/2002	5.65			39
MW-25A	44.65	3/10/2003	5.84			38.81
MW-25A	44.65	9/23/2003	5.35			39.3
MW-25A	44.65	3/15/2004	5.75			38.9
MW-25A	44.65	9/14/2004	7.00			37.65
MW-25A	44.65	7/18/2005	6.42			38.23
MW-25A	44.65	1/6/2006	9.29			35.36
MW-25A	44.65	7/27/2006	5.10			39.55
MW-25A	44.65	3/7/2007	4.76			39.89
MW-25A	44.65	7/27/2007	4.22			40.43
MW-25A	44.65	1/28/2008	4.25			40.4
MW-25A	44.65	7/14/2008	8.59			36.06
MW-25A	44.65	2/3/2009	8.90			35.75
MW-25A	44.65	7/23/2009	8.71			35.94
MW-25A	44.65	1/9/2010	6.84			37.81
MW-25A	44.65	7/12/2010	7.78			36.87
MW-25A	44.65	1/12/2011	6.26			38.39
MW-25A	44.65	7/11/2011	10.22			34.43
MW-25A	44.65	1/27/2012	5.24			39.41
MW-25A	44.65	7/10/2012	4.56			40.09
MW-25A	44.65	1/8/2013	8.62			36.03
MW-25A	44.65	7/23/2013	9.37			35.28
MW-25A	44.65	1/8/2014	8.92			35.73
MW-25A	44.65	7/16/2014	8.61			36.04
MW-25A	44.65	1/5/2015	8.71			35.94
MW-25A	44.65	8/10/2015	6.94			37.71
MW-25A	44.65	1/13/2016	6.07			38.58
MW-25A	44.65	7/6/2016	6.62			38.03
MW-25A	44.65	1/12/2017	6.98			37.67
MW-25A	44.65	7/6/2017	7.31			37.34
MW-25A	44.65	9/5/2017	7.16			37.49
MW-25A	44.65	2/11/2018	5.71			38.94
MW-25A	44.65	3/12/2018	6.06			38.59
MW-25A	44.65	5/14/2018	7.49			37.16
MW-25A	44.65	1/3/2019	6.84			37.81
MW-25A	44.65	7/9/2019	6.77			37.88
MW-25A	44.65	1/7/2020	8.01			36.64
MW-25A	44.65	7/7/2020	0.21			44.44
MW-25A	44.65	1/4/2021	5.51			39.14

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-25A	44.65	7/13/2021	2.91			41.74
MW-25A	44.65	1/4/2022	7.02			37.63
MW-25A	44.65	7/6/2022	7.81			36.84
MW-25A	44.65	1/4/2023	4.89			39.76
MW-25A	44.65	7/6/2023	7.67			36.98
MW-25A	44.65	1/3/2024	3.77			40.88
MW-25A	44.65	9/4/2024	7.5			37.15
MW-25C	44.49	3/27/2000	19.92			24.57
MW-25C	44.49	4/7/2000	19.50			24.99
MW-25C	44.49	5/31/2000	19.56			24.93
MW-25C	44.49	6/1/2000	19.51			24.98
MW-25C	44.49	7/28/2000	19.54			24.95
MW-25C	44.49	8/30/2000	22.14			22.35
MW-25C	44.49	9/19/2000	21.30	66.73	0.90	23.19
MW-25C	44.49	10/27/2000	20.63			23.86
MW-25C	44.49	11/21/2000	27.63			16.86
MW-25C	44.49	5/1/2001	18.14			26.35
MW-25C	44.49	10/1/2001	18.29		0.40	26.2
MW-25C	44.49	3/14/2002	17.39	64.32	4.13	27.1
MW-25C	44.49	9/23/2002	17.81	61.41	6.00	26.68
MW-25C	44.49	3/10/2003	16.73			27.76
MW-25C	44.49	9/23/2003	22.35			22.14
MW-25C	44.49	3/15/2004	16.15			28.34
MW-25C	44.49	9/14/2004	17.00	60.14	2.56	27.49
MW-25C	44.49	7/18/2005	15.57			28.92
MW-25C	44.49	1/6/2006	18.49			26
MW-25C	44.49	7/27/2006	15.32	60.64	2.03	29.17
MW-25C	44.49	3/7/2007	15.87	59.82	2.18	28.62
MW-25C	44.49	7/27/2007	14.25	60.61	1.04	30.24
MW-25C	44.49	1/28/2008	14.91	60.88	0.67	29.58
MW-25C	44.49	7/14/2008	17.24	60.95	0.60	27.25
MW-25C	44.49	2/3/2009	15.97	TRACE	TRACE	28.52
MW-25C	44.49	7/23/2009	16.39			28.1
MW-25C	44.49	1/9/2010	13.68	61.45	0.65	30.81
MW-25C	44.49	5/27/2010	16.09			28.4
MW-25C	44.49	6/28/2010	16.26			28.23
MW-25C	44.49	7/12/2010	16.05			28.44
MW-25C	44.49	8/31/2010	16.21			28.28
MW-25C	44.49	1/12/2011	16.29			28.2
MW-25C	44.49	7/11/2011	18.81			25.68
MW-25C	44.49	1/27/2012	17.29			27.2
MW-25C	44.49	7/10/2012	16.53			27.96
MW-25C	44.49	1/8/2013	18.34			26.15
MW-25C	44.49	7/23/2013	18.74			25.75
MW-25C	44.49	1/8/2014	18.23			26.26
MW-25C	44.49	7/16/2014	18.66			25.83
MW-25C	44.49	1/5/2015	17.81			26.68
MW-25C	44.49	8/10/2015	16.09			28.40
MW-25C	44.49	1/13/2016	15.61			28.88
MW-25C	44.49	7/6/2016	16.02			28.47
MW-25C	44.49	1/12/2017	16.64			27.85
MW-25C	44.49	7/5/2017	16.84			27.65
MW-25C	44.49	9/5/2017	16.81			27.68
MW-25C	44.49	2/11/2018	15.27			29.22
MW-25C	44.49	3/12/2018	15.63			28.86
MW-25C	44.49	5/14/2018	16.02			28.47
MW-25C	44.49	1/3/2019	15.29			29.2
MW-25C	44.49	7/9/2019	15.86			28.63
MW-25C	44.49	1/7/2020	16.72			27.77
MW-25C	44.49	7/22/2020	19.29			25.20
MW-25C	44.49	1/4/2021	15.45			29.04
MW-25C	44.49	7/13/2021	14.21			30.28
MW-25C	44.49	1/4/2022	15.41			29.08
MW-25C	44.49	7/6/2022	17.52			26.97
MW-25C	44.49	1/4/2023	16.21			28.28
MW-25C	44.49	7/6/2023	16.91			27.58
MW-25C	44.49	1/3/2024	16.03			28.46
MW-25C	44.49	9/4/2024	14.61			29.88
MW-26A	44.62	3/27/2000	7.40			37.22
MW-26A	44.62	4/7/2000	6.99			37.63
MW-26A	44.62	5/31/2000	7.10			37.52
MW-26A	44.62	6/1/2000	7.00			37.62
MW-26A	44.62	7/28/2000	7.11			37.51

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-26A	44.62	8/30/2000	9.69			34.93
MW-26A	44.62	9/19/2000	11.43			33.19
MW-26A	44.62	10/27/2000	8.11			36.51
MW-26A	44.62	11/21/2000	8.24			36.38
MW-26A	44.62	5/1/2001	6.01			38.61
MW-26A	44.62	10/1/2001	6.34			38.28
MW-26A	44.62	3/11/2002	4.05			40.57
MW-26A	44.62	9/23/2002	4.29			40.33
MW-26A	44.62	3/10/2003	2.84			41.78
MW-26A	44.62	9/23/2003	4.84			39.78
MW-26A	44.62	3/15/2004	3.30			41.32
MW-26A	44.62	9/14/2004	6.80			37.82
MW-26A	44.62	7/18/2005	6.72			37.9
MW-26A	44.62	1/6/2006	9.34			35.28
MW-26A	44.62	7/27/2006	4.42			40.2
MW-26A	44.62	3/7/2007	4.70			39.92
MW-26A	44.62	7/27/2007	3.98			40.64
MW-26A	44.62	1/29/2008	2.37			42.25
MW-26A	44.62	7/14/2008	7.87			36.75
MW-26A	44.62	2/3/2009	6.89			37.73
MW-26A	44.62	7/23/2009	7.88			36.74
MW-26A	44.62	1/9/2010	4.31			40.31
MW-26A	44.62	7/12/2010	8.12			36.5
MW-26A	44.62	1/13/2011	2.38			42.24
MW-26A	44.62	7/11/2011	10.27			34.35
MW-26A	44.62	1/27/2012	3.09			41.53
MW-26A	44.62	7/10/2012	2.77			41.85
MW-26A	44.62	1/8/2013	7.27			37.35
MW-26A	44.62	7/23/2013	9.72			34.9
MW-26A	44.62	1/8/2014	6.33			38.29
MW-26A	44.62	7/16/2014	7.64			36.98
MW-26A	44.62	1/5/2015	5.74			38.88
MW-26A	44.62	8/10/2015	4.03			40.59
MW-26A	44.62	1/13/2016	3.41			41.21
MW-26A	44.62	7/6/2016	3.72			40.90
MW-26A	44.62	1/12/2017	4.92			39.70
MW-26A	44.62	7/5/2017	5.34			39.28
MW-26A	44.62	9/5/2017	5.27			39.35
MW-26A	44.62	2/11/2018	4.43			40.19
MW-26A	44.62	3/12/2018	4.77			39.85
MW-26A	44.62	5/14/2018	6.61			38.01
MW-26A	44.62	1/3/2019	6.06			38.56
MW-26A	44.62	7/9/2019	6.31			38.31
MW-26A	44.62	1/7/2020	4.78			39.84
MW-26A	44.62	7/7/2020	5.21			39.41
MW-26A	44.62	1/4/2021	4.06			40.56
MW-26A	44.62	7/6/2021	1.41			43.21
MW-26A	44.62	1/5/2022	4.38			40.24
MW-26A	44.62	7/6/2022	7.13			37.49
MW-26A	44.62	1/4/2023	3.23			41.39
MW-26A	44.62	7/6/2023	7.03			37.59
MW-26A	44.62	1/3/2024	2.89			41.73
MW-26A	44.62	9/4/2024	5.78			38.84
MW-27A	44.90	5/1/2001	6.41			38.49
MW-27A	44.90	10/1/2001	5.31			39.59
MW-27A	44.90	3/11/2002	4.21			40.69
MW-27A	44.90	9/23/2002	3.31			41.59
MW-27A	44.90	3/10/2003	4.05			40.85
MW-27A	44.90	9/23/2003	3.24			41.66
MW-27A	44.90	3/15/2004	2.99			41.91
MW-27A	44.90	9/14/2004	5.09			39.81
MW-27A	44.90	7/18/2005	4.45			40.45
MW-27A	44.90	1/6/2006	4.55			40.35
MW-27A	44.90	7/27/2006	4.26			40.64
MW-27A	44.90	3/7/2007	3.01			41.89
MW-27A	44.90	7/27/2007	2.12			42.92
MW-27A	44.90	1/28/2008	1.88			43.16
MW-27A	44.90	7/14/2008	4.57			40.47
MW-27A	44.90	2/3/2009	4.27			40.77
MW-27A	44.90	7/23/2009	4.36			40.68
MW-27A	44.90	1/9/2010	3.69			41.35
MW-27A	44.90	7/12/2010	5.31			39.73
MW-27A	44.90	1/12/2011	3.76			41.28

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-27A	44.90	7/12/2011	6.72			38.32
MW-27A	44.90	1/26/2012				NM
MW-27A	44.90	7/10/2012	well covered			NM
MW-27A	44.90	1/7/2013	well covered			NM
MW-27A	44.90	7/23/2013	NM			NM
MW-27A	44.90	8/10/2015	NM			NM
MW-27A	44.90	2/11/2018	4.21			40.69
MW-27A	44.90	3/12/2018	4.59			40.31
MW-27A	44.90	5/14/2018	5.06			39.84
MW-27A	44.90	1/3/2019	NM			NM
MW-27A	44.90	7/9/2019	7.21			37.69
MW-27A	44.90	1/8/2020	7.22			37.68
MW-27A	44.90	7/7/2020	NM			NM
MW-27A	44.90	1/6/2021	NM			NM
MW-27A	44.90	7/28/2021	3.31			41.59
MW-27A	44.90	1/5/2022	7.26			37.64
MW-27A	44.90	7/6/2022	9.61			35.29
MW-27A	44.90	1/4/2023	3.06			41.84
MW-27A	44.90	7/6/2023	6.13			38.77
MW-27A	44.90	1/3/2024	5.39			39.51
MW-27A	44.90	7/22/2024	2.42			42.48
MW-27C	45.04	5/1/2001	17.82			27.22
MW-27C	45.04	10/1/2001	17.82			27.22
MW-27C	45.04	3/11/2002	16.36			28.68
MW-27C	45.04	9/23/2002	16.49			28.55
MW-27C	45.04	3/10/2003	18.68			26.36
MW-27C	45.04	9/23/2003	16.89			28.15
MW-27C	45.04	3/15/2004	14.35			30.69
MW-27C	45.04	9/14/2004	14.49			30.55
MW-27C	45.04	7/18/2005	16.12			28.92
MW-27C	45.04	1/6/2006	18.07			26.97
MW-27C	45.04	7/27/2006	17.13			27.91
MW-27C	45.04	3/7/2007	15.47			29.57
MW-27C	44.90	7/27/2007	14.85			30.05
MW-27C	45.04	1/28/2008	14.31			30.73
MW-27C	45.04	7/14/2008	17.51			27.53
MW-27C	45.04	2/3/2009	15.76			29.28
MW-27C	45.04	7/23/2009	16.38			28.66
MW-27C	45.04	1/9/2010	14.82			30.22
MW-27C	45.04	7/12/2010	16.12			28.92
MW-27C	45.04	1/12/2011	15.84			29.2
MW-27C	45.04	7/11/2011	18.17			26.87
MW-27C	45.04	1/27/2012	17.14			27.9
MW-27C	45.04	7/10/2012	16.56			28.48
MW-27C	45.04	1/8/2013	17.04			28
MW-27C	45.04	7/23/2013	18.61			26.43
MW-27C	45.04	1/8/2014	18.12			26.92
MW-27C	45.04	7/16/2014	16.94			28.10
MW-27C	45.04	1/5/2015	17.74			27.30
MW-27C	45.04	8/10/2015	15.71			29.33
MW-27C	45.04	1/13/2016	15.04			30.00
MW-27C	45.04	7/6/2016	15.32			29.72
MW-27C	45.04	1/12/2017	15.91			29.13
MW-27C	45.04	7/5/2017	16.39			28.65
MW-27C	45.04	9/5/2017	16.36			28.68
MW-27C	45.04	2/11/2018	16.59			28.45
MW-27C	45.04	3/12/2018	16.97			28.07
MW-27C	45.04	5/14/2018	15.89			29.15
MW-27C	45.04	1/3/2019	14.32			30.72
MW-27C	45.04	7/9/2019	15.61			29.43
MW-27C	45.04	1/8/2020	16.93			28.11
MW-27C	45.04	8/18/2020	15.5			29.54
MW-27C	45.04	1/4/2021	15.04			30.00
MW-27C	45.04	7/8/2021	13.28			31.76
MW-27C	45.04	1/5/2022	16.12			28.92
MW-27C	45.04	7/6/2022	18.96			26.08
MW-27C	45.04	1/4/2023	15.72			29.32
MW-27C	45.04	7/6/2023	19.02			26.02
MW-27C	45.04	1/3/2024	18.09			26.95
MW-27C	45.04	7/22/2024	14.48			30.56
MW-28A	43.86	5/1/2001	7.45			36.41
MW-28A	43.86	10/1/2001	8.26			35.6
MW-28A	43.86	3/11/2002	4.90			38.96

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-28A	43.86	9/23/2002	5.71			38.15
MW-28A	43.86	3/10/2003	3.11			40.75
MW-28A	43.86	9/23/2003	5.81			38.05
MW-28A	43.86	9/14/2004	9.34			34.52
MW-28A	43.86	7/18/2005	7.52			36.34
MW-28A	43.86	1/6/2006	9.32			34.54
MW-28A	43.86	7/27/2006	5.54			38.32
MW-28A	43.86	3/7/2007	5.06			38.8
MW-28A	43.86	7/27/2007	2.86			41
MW-28A	43.86	1/29/2008	2.61			41.25
MW-28A	43.86	7/14/2008	8.74			35.12
MW-28A	43.86	2/3/2009	8.36			35.5
MW-28A	43.86	7/23/2009	8.94			34.92
MW-28A	43.86	1/9/2010	4.54			39.32
MW-28A	43.86	7/12/2010	8.66			35.2
MW-28A	43.86	1/12/2011	3.87			39.99
MW-28A	43.86	7/11/2011	11.43			32.43
MW-28A	43.86	1/27/2012	2.66			41.2
MW-28A	43.86	7/10/2012	4.52			39.34
MW-28A	43.86	1/8/2013	8.11			35.75
MW-28A	43.86	7/23/2013	10.78			33.08
MW-28A	43.86	1/8/2014	7.71			36.15
MW-28A	43.86	7/16/2014	8.19			35.67
MW-28A	43.86	1/5/2015	7.21			36.65
MW-28A	43.86	8/10/2015	5.72			38.14
MW-28A	43.86	1/13/2016	5.09			38.77
MW-28A	43.86	7/6/2016	5.42			38.44
MW-28A	43.86	1/12/2017	5.89			37.97
MW-28A	43.86	7/5/2017	6.13			37.73
MW-28A	43.86	9/5/2017	6.06			37.80
MW-28A	43.86	2/11/2018	5.31			38.55
MW-28A	43.86	3/12/2018	5.61			38.25
MW-28A	43.86	5/14/2018	6.02			37.84
MW-28A	43.86	1/3/2019	5.41			38.45
MW-28A	43.86	7/9/2019	6.52			37.34
MW-28A	43.86	1/7/2020	6.68			37.18
MW-28A	43.86	7/7/2020	5.75			38.11
MW-28A	43.86	1/4/2021	3.74			40.12
MW-28A	43.86	7/8/2021	1.69			42.17
MW-28A	43.86	1/4/2022	5.41			38.45
MW-28A	43.86	7/6/2022	7.76			36.1
MW-28A	43.86	1/4/2023	3.66			40.2
MW-28A	43.86	7/6/2023	7.63			36.23
MW-28A	43.86	1/3/2024	5.71			38.15
MW-28A	43.86	7/22/2024	3.30			40.56
MW-28C	43.96	5/1/2001	17.14			26.82
MW-28C	43.96	10/1/2001	17.51			26.45
MW-28C	43.96	3/11/2002	16.29			27.67
MW-28C	43.96	9/23/2002	17.75			26.21
MW-28C	43.96	3/10/2003	15.84			28.12
MW-28C	43.96	9/23/2003	17.48			26.48
MW-28C	43.96	3/15/2004	15.56			28.4
MW-28C	43.96	9/14/2004	17.20			26.76
MW-28C	43.96	7/18/2005	16.60			27.36
MW-28C	43.96	1/6/2006	17.61			26.35
MW-28C	43.96	7/27/2006	17.73			26.23
MW-28C	43.96	3/7/2007	15.59			28.37
MW-28C	43.96	7/27/2007	12.90			31.06
MW-28C	43.96	1/29/2008	14.35			29.61
MW-28C	43.96	7/14/2008	16.26			27.7
MW-28C	43.96	2/3/2009	16.03			27.93
MW-28C	43.96	7/23/2009	16.53			27.43
MW-28C	43.96	1/9/2010	14.89			29.07
MW-28C	43.96	7/12/2010	15.89			28.07
MW-28C	43.96	1/12/2011	18.37			25.59
MW-28C	43.96	7/11/2011	18.16			25.8
MW-28C	43.96	1/27/2012	16.12			27.84
MW-28C	43.96	7/10/2012	16.79			27.17
MW-28C	43.96	1/8/2013	17.62			26.34
MW-28C	43.96	7/23/2013	18.87			25.09
MW-28C	43.96	1/8/2014	17.59			26.37
MW-28C	43.96	7/16/2014	16.98			26.98
MW-28C	43.96	1/5/2015	16.84			27.12

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-28C	43.96	8/10/2015	14.39			29.57
MW-28C	43.96	1/13/2016	13.72			30.24
MW-28C	43.96	7/6/2016	14.03			29.93
MW-28C	43.96	1/12/2017	14.64			29.32
MW-28C	43.96	7/5/2017	14.88			29.08
MW-28C	43.96	9/5/2017	14.89			29.07
MW-28C	43.96	2/11/2018	17.33			26.63
MW-28C	43.96	3/12/2018	14.73			29.23
MW-28C	43.96	5/14/2018	16.59			27.37
MW-28C	43.96	1/3/2019	15.88			28.08
MW-28C	43.96	7/9/2019	15.03			28.93
MW-28C	43.96	1/7/2020	15.56			28.4
MW-28C	43.96	7/7/2020	14.65			29.31
MW-28C	43.96	1/4/2021	14.92			29.04
MW-28C	43.96	7/8/2021	13.66			30.3
MW-28C	43.96	1/4/2022	14.93			29.03
MW-28C	43.96	7/6/2022	17.21			26.75
MW-28C	43.96	1/4/2023	16.31			27.65
MW-28C	43.96	1/4/2023	16.31			27.65
MW-28C	43.96	7/6/2023	16.57			27.39
MW-28C	43.96	1/3/2024	16.71			27.25
MW-28C	43.96	7/22/2024	14.70			29.26
MW-29A	46.59	5/1/2001	5.01			41.58
MW-29A	46.59	10/1/2001	5.38			41.21
MW-29A	46.59	3/11/2002	1.51			45.08
MW-29A	46.59	9/23/2002	1.65			44.94
MW-29A	46.59	3/10/2003	1.42			45.17
MW-29A	46.59	9/23/2003	1.50			45.09
MW-29A	46.59	3/15/2004	1.85			44.74
MW-29A	46.59	9/14/2004	6.35			40.24
MW-29A	46.59	7/18/2005	3.12			43.47
MW-29A	46.59	1/6/2006	6.57			40.02
MW-29A	46.59	7/27/2006	1.44			45.15
MW-29A	46.59	3/7/2007	1.95			44.64
MW-29A	46.59	7/27/2007	2.49			44.1
MW-29A	46.59	1/28/2008	1.28			45.31
MW-29A	46.59	7/14/2008	4.14			42.45
MW-29A	46.59	2/3/2009	3.50			43.09
MW-29A	46.59	7/23/2009	4.09			42.5
MW-29A	46.59	1/9/2010	1.76			44.83
MW-29A	46.59	7/12/2010	3.62			42.97
MW-29A	46.59	1/13/2011	3.07			43.52
MW-29A	46.59	7/11/2011	7.14			39.45
MW-29A	46.59	7/10/2012	4.17			42.42
MW-29A	46.59	1/8/2013	4.91			41.68
MW-29A	46.59	7/23/2013	NM			NM
MW-29A	Plugged					NM
MW-29B	46.26	5/1/2001	19.01			27.25
MW-29B	46.26	10/1/2001	19.41			26.85
MW-29B	46.26	3/11/2002	18.04			28.22
MW-29B	46.26	9/23/2002	18.82			27.44
MW-29B	46.26	3/10/2003	17.21			29.05
MW-29B	46.26	9/23/2003	18.09			28.17
MW-29B	46.26	3/15/2004	17.10			29.16
MW-29B	46.26	9/14/2004	17.76			28.5
MW-29B	46.26	7/18/2005	18.11			28.15
MW-29B	46.26	1/6/2006	18.83			27.43
MW-29B	46.26	7/27/2006	18.41			27.85
MW-29B	46.26	3/7/2007	17.21			29.05
MW-29B	46.26	7/27/2007	15.49			30.77
MW-29B	46.26	1/28/2008	15.32			30.94
MW-29B	46.26	7/14/2008	18.23			28.03
MW-29B	46.26	2/3/2009	17.72			28.54
MW-29B	46.26	7/23/2009	16.19			30.07
MW-29B	46.26	1/9/2010	16.02			30.24
MW-29B	46.26	7/12/2010	19.29			26.97
MW-29B	46.26	1/13/2011	17.73			28.53
MW-29B	46.26	7/11/2011	20.06			26.2
MW-29B	46.26	7/10/2012	9.71			36.55
MW-29B	46.26	1/8/2013	9.92			36.34
MW-29B	Plugged					
MW-29C	46.46	5/1/2001	25.51			20.95
MW-29C	46.46	10/1/2001	25.04			21.42

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-29C	46.46	3/11/2002	23.51			22.95
MW-29C	46.46	9/23/2002	24.10			22.36
MW-29C	46.46	3/10/2003	22.71			23.75
MW-29C	46.46	9/23/2003	23.48			22.98
MW-29C	46.46	3/15/2004	22.24			24.22
MW-29C	46.46	9/14/2004	24.12			22.34
MW-29C	46.46	7/18/2005	23.75			22.71
MW-29C	46.46	1/6/2006	25.12			21.34
MW-29C	46.46	7/27/2006	23.35			23.11
MW-29C	46.46	3/7/2007	22.38			24.08
MW-29C	46.46	7/27/2007	20.42			26.04
MW-29C	46.46	1/28/2008	21.08			25.38
MW-29C	46.46	7/14/2008	22.38			24.08
MW-29C	46.46	2/3/2009	22.86			23.6
MW-29C	46.46	7/23/2009	22.81			23.65
MW-29C	46.46	1/9/2010	20.71			25.75
MW-29C	46.46	7/12/2010	21.32			25.14
MW-29C	46.46	1/13/2011	20.39			26.07
MW-29C	46.46	7/11/2011	23.17			23.29
MW-29C	46.46	7/10/2012	20.69			25.77
MW-29C	46.46	1/8/2013	21.27			25.19
MW-29C	46.46	7/23/2013	NM			NM
MW-29C	Plugged					
MW-30A	50.45	3/15/2004	9.71			40.74
MW-30A	50.45	9/13/2004	12.76			37.69
MW-30A	50.45	7/18/2005	11.80			38.65
MW-30A	50.45	1/4/2006	13.52			36.93
MW-30A	50.45	7/27/2006	10.45			40
MW-30A	50.45	3/7/2007	10.98			39.47
MW-30A	50.45	7/27/2007	9.49			40.96
MW-30A	50.45	1/30/2008	9.62			40.83
MW-30A	50.45	7/15/2008	12.52			37.93
MW-30A	50.45	2/4/2009	13.01			37.44
MW-30A	50.45	7/23/2009	13.71			36.74
MW-30A	50.45	1/9/2010	10.87			39.58
MW-30A	50.45	7/12/2010	12.61			37.84
MW-30A	50.45	1/12/2011	10.06			40.39
MW-30A	50.45	7/12/2011	14.76			35.69
MW-30A	50.45	1/26/2012	10.78			39.67
MW-30A	50.45	7/9/2012	11.13			39.32
MW-30A	50.45	1/8/2013	12.91			37.54
MW-30A	50.45	7/23/2013	14.16			36.29
MW-30A	50.45	1/8/2014	13.81			36.64
MW-30A	50.45	7/15/2014	12.10			38.35
MW-30A	50.45	1/5/2015	13.22			37.23
MW-30A	50.45	8/10/2015	12.16	Plugged and Abandoned		38.29
MW-31A	52.08	3/15/2004	10.97			41.11
MW-31A	52.08	9/13/2004	13.00			39.08
MW-31A	52.08	7/18/2005	13.05			39.03
MW-31A	52.08	1/4/2006	14.77			37.31
MW-31A	52.08	7/27/2006	11.83			40.25
MW-31A	52.08	3/7/2007	12.43			39.65
MW-31A	52.08	7/27/2007	10.83			41.25
MW-31A	52.08	1/31/2008	10.99			41.09
MW-31A	52.08	7/15/2008	13.68			38.4
MW-31A	52.08	2/4/2009	14.23			37.85
MW-31A	52.08	7/23/2009	14.73			37.35
MW-31A	52.08	1/9/2010	12.31			39.77
MW-31A	52.08	7/12/2010	14.06			38.02
MW-31A	52.08	1/12/2011	11.62			40.46
MW-31A	52.08	7/12/2011	15.92			36.16
MW-31A	52.08	1/26/2012	12.24			39.84
MW-31A	52.08	7/9/2012	12.79			39.29
MW-31A	52.08	1/8/2013	14.14			37.94
MW-31A	52.08	7/23/2013	16.24			35.84
MW-31A	52.08	1/8/2014	15.96			36.12
MW-31A	52.08	7/15/2014	13.19			38.89
MW-31A	52.08	1/5/2015	15.16			36.92
MW-31A	52.08	8/10/2015	12.76	Plugged and Abandoned		39.32
MW-32A	43.77	3/15/2004	1.00			42.77
MW-32A	43.77	9/14/2004	6.03	29.00	3.48	37.74
MW-32A	43.77	7/18/2005	5.82	26.56	5.92	37.95
MW-32A	43.77	1/6/2006	6.93	24.92	7.57	36.84

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-32A	43.77	7/27/2006	12.96	25.71	6.74	30.81
MW-32A	43.77	3/7/2007	4.03	25.26	7.19	39.74
MW-32A	43.77	7/27/2007	1.95	30.76	1.70	41.82
MW-32A	43.77	1/28/2008	2.18			41.59
MW-32A	43.77	7/14/2008	6.14	26.25	6.20	37.63
MW-32A	43.77	2/3/2009	5.71	26.29	6.16	38.06
MW-32A	43.77	7/23/2009	6.29	26.51	5.94	37.48
MW-32A	43.77	1/9/2010	3.55	25.41	7.04	40.22
MW-32A	43.77	5/27/2010	5.86	26.2	6.25	37.91
MW-32A	43.77	6/28/2010	6.02	29.1	3.35	37.75
MW-32A	43.77	7/12/2010	6.12	29.45	3.00	37.65
MW-32A	43.77	8/31/2010	5.43	30.67	1.78	38.34
MW-32A	43.77	1/13/2011	2.63	29.15	3.30	41.14
MW-32A	43.77	7/11/2011	5.92	28.82	3.63	37.85
MW-32A	Plugged					
MW-32AR	44.56	1/27/2012	3.22			41.34
MW-32AR	44.56	7/10/2012	3.73			40.83
MW-32AR	44.56	1/8/2013	6.64			37.92
MW-32AR	44.56	7/23/2013	9.42			35.14
MW-32AR	44.56	1/8/2014	5.64			38.92
MW-32AR	44.56	7/16/2014	6.74			37.82
MW-32AR	44.56	1/5/2015				
MW-32AR	44.56	8/10/2015	3.18			41.38
MW-32AR	44.56	1/13/2016	2.66			41.90
MW-32AR	44.56	7/6/2016	3.14			41.42
MW-32AR	44.56	1/12/2017	3.67			40.89
MW-32AR	44.56	7/5/2017	4.16			40.40
MW-32AR	44.56	9/6/2017	4.03			40.53
MW-32AR	44.56	2/11/2018	4.06			40.50
MW-32AR	44.56	3/12/2018	5.02			39.54
MW-32AR	44.56	5/14/2018	5.91			38.65
MW-32AR	44.56	1/3/2019	5.42			39.14
MW-32AR	44.56	7/9/2019	6.41			38.15
MW-32AR	44.56	1/8/2020	3.88			40.68
MW-32AR	44.56	7/7/2020	4.84			39.72
MW-32AR	44.56	1/4/2021	3.43			41.13
MW-32AR	44.56	7/6/2021	1.91			42.65
MW-32AR	44.56	1/5/2022	4.36			40.2
MW-32AR	44.56	7/6/2022	6.49			38.07
MW-32AR	44.56	1/4/2023	3.21			41.35
MW-32AR	44.56	7/6/2023	6.24			38.32
MW-32AR	44.56	1/3/2024	2.77			41.79
MW-32AR	44.56	7/22/2024	3.20			41.36
MW-32B	44.41	1/27/2012	3.11	30.52	5.77	41.3
MW-32B	44.41	7/10/2012	3.81	30.16	6.13	40.6
MW-32B	44.41	1/8/2013	6.34	30.02	6.38	38.07
MW-32B	44.41	7/23/2013	7.14			37.27
MW-32B	44.41	1/8/2014	6.72	34.82	1.58	37.69
MW-32B	44.41	7/16/2014	6.72	34.29	2.11	37.69
MW-32B	44.41	1/5/2015	6.02	35.77	0.63	38.39
MW-32B	44.41	8/10/2015	4.41	36.09	0.31	40.00
MW-32B	44.41	1/13/2016	3.61	36.07	0.33	40.80
MW-32B	44.41	7/6/2016	3.91	35.96	0.44	40.50
MW-32B	44.41	1/12/2017	4.83	36.02	0.38	39.58
MW-32B	44.41	7/5/2017	4.86	36.13	0.27	39.55
MW-32B	44.41	9/6/2017	4.78	36.24	3.67	39.63
MW-32B	44.41	2/7/2018	5.16	36.21	0.19	39.25
MW-32B	44.41	3/12/2018	5.41	36.13	0.27	39.00
MW-32B	44.41	5/15/2018	6.47	36.21	0.19	37.94
MW-32B	44.41	1/3/2019	6.09	36.29	0.11	38.32
MW-32B	44.41	7/9/2019	5.61	35.89	0.51	38.8
MW-32B	44.41	1/8/2020	2.71			41.7
MW-32B	44.41	7/7/2020	4.61	35.12	1.28	39.8
MW-32B	44.41	1/4/2021	3.52	31.75	4.65	40.89
MW-32B	44.41	7/6/2021	3.07	34.40	2.00	41.34
MW-32B	44.41	1/5/2022	4.37		0.00	40.04
MW-32B	44.41	7/6/2022	6.26	35.31	0.74	38.15
MW-32B	44.41	1/4/2023	3.77	29.17		40.64
MW-32B	44.41	7/6/2023	6.03	32.14	3.91	38.38
MW-32B	44.41	1/3/2024	3.47	Trace		40.94
MW-32B	44.41	7/22/2024	2.64			41.77
MW-33A	44.25	3/15/2004	3.90			40.35
MW-33A	44.25	9/14/2004	7.85			36.4

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-33A	44.25	7/18/2005	6.35			37.9
MW-33A	44.25	1/6/2006	8.00			36.25
MW-33A	44.25	7/27/2006	4.73			39.52
MW-33A	44.25	3/7/2007	5.22			39.03
MW-33A	44.25	7/27/2007	3.48			40.77
MW-33A	44.25	1/29/2008	3.34			40.91
MW-33A	44.25	7/14/2008	7.42	25.19	0.03	36.83
MW-33A	44.25	2/3/2009	7.28			36.97
MW-33A	44.25	7/23/2009	7.63			36.62
MW-33A	44.25	1/9/2010	4.79			39.46
MW-33A	44.25	7/12/2010	7.61			36.64
MW-33A	44.25	1/13/2011	3.19			41.06
MW-33A	44.25	7/11/2011	9.87			34.38
MW-33A	44.25	1/27/2012	2.69			41.56
MW-33A	44.25	7/10/2012	3.86			40.39
MW-33A	44.25	1/8/2013	6.76			37.49
MW-33A	44.25	7/23/2013	9.83			34.42
MW-33A	44.25	1/8/2014	6.71			37.54
MW-33A	44.25	7/16/2014	7.09			37.16
MW-33A	44.25	1/5/2015	5.02			39.23
MW-33A	44.25	8/10/2015	4.09			40.16
MW-33A	44.25	1/13/2016	3.51			40.74
MW-33A	44.25	7/6/2016	3.89			40.36
MW-33A	44.25	1/12/2017	5.01			39.24
MW-33A	44.25	7/5/2017	5.59			38.66
MW-33A	44.25	9/6/2017	5.51			38.74
MW-33A	44.25	2/11/2018	4.38			39.87
MW-33A	44.25	3/12/2018	4.86			39.39
MW-33A	44.25	5/14/2018	6.42			37.83
MW-33A	44.25	1/3/2019	5.77			38.48
MW-33A	44.25	7/9/2019	5.09			39.16
MW-33A	44.25	1/20/2020	4.41			39.84
MW-33A	44.25	7/7/2020	5.31			38.94
MW-33A	44.25	1/4/2021	4.04			40.21
MW-33A	44.25	7/6/2021	2.26			41.99
MW-33A	44.25	1/4/2022	5.19			39.06
MW-33A	44.25	7/6/2022	6.97			37.28
MW-33A	44.25	1/4/2023	3.73			40.52
MW-33A	44.25	7/6/2023	6.82			37.43
MW-33A	44.25	1/3/2024	3.67			40.58
MW-33A	44.25	7/22/2024	3.65			40.60
MW-33B	44.35	3/7/2007	4.21			40.04
MW-33B	44.35	7/27/2007	3.72			40.53
MW-33B	44.35	1/29/2008	2.37	39.12	3.37	41.88
MW-33B	44.35	7/14/2008	5.74	37.44	5.05	38.51
MW-33B	44.35	2/3/2009	9.28	36.91	5.58	34.97
MW-33B	44.35	7/23/2009	NM			NM
MW-33B	44.35	1/9/2010	4.61	35.21	7.28	39.74
MW-33B	44.35	5/27/2010	6.82			37.53
MW-33B	44.35	6/28/2010	6.91			37.44
MW-33B	44.35	7/12/2010	7.02			37.33
MW-33B	44.35	8/31/2010	7.22			37.13
MW-33B	44.35	1/13/2011	3.11	29.7	0.30	41.24
MW-33B	44.35	7/11/2011	10.19	29.75	0.25	34.16
MW-33B	44.35	1/5/2015	NM			NM
MW-33BR	44.35	1/27/2012	4.07			40.28
MW-33BR	44.35	7/10/2012	2.59			41.76
MW-33BR	44.35	1/8/2013	3.86			40.49
MW-33BR	44.35	7/23/2013	9.68			34.67
MW-33BR	44.35	1/8/2014	7.41			36.94
MW-33BR	44.35	7/16/2014	6.72			37.63
MW-33BR	44.35	1/5/2015	5.22			39.13
MW-33BR	44.35	8/10/2015	3.96			40.39
MW-33BR	44.35	1/13/2016	3.22			41.13
MW-33BR	44.35	7/6/2016	3.71			40.64
MW-33BR	44.35	1/12/2017	4.74			39.61
MW-33BR	44.35	7/5/2017	5.19			39.16
MW-33BR	44.35	9/6/2017	4.99			39.36
MW-33BR	44.35	2/11/2018	4.74			39.61
MW-33BR	44.35	3/12/2018	5.19			39.16
MW-33BR	44.35	5/14/2018	6.03			38.32
MW-33BR	44.35	1/3/2019	5.18			39.17
MW-33BR	44.35	7/9/2019	5.92			38.43

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-33BR	44.35	1/8/2020	5.06			39.29
MW-33BR	44.35	7/7/2020	4.85			39.5
MW-33BR	44.35	1/4/2021	3.01			41.34
MW-33BR	44.35	7/6/2021	2.11			42.24
MW-33BR	44.35	1/4/2022	4.26			40.09
MW-33BR	44.35	7/6/2022	6.81			37.54
MW-33BR	44.35	1/4/2023	3.96			40.39
MW-33BR	44.35	7/6/2023	6.09			38.05
MW-33BR	44.35	1/3/2024	4.77			39.58
MW-33BR	44.35	7/22/2024	2.79			41.56
MW-34C	45.31	3/15/2004	17.40			27.91
MW-34C	45.31	9/14/2004	18.82			26.49
MW-34C	45.31	7/18/2005	19.41	65.29	7.19	25.9
MW-34C	45.31	1/6/2006	20.54	65.27	8.38	24.77
MW-34C	45.31	7/27/2006	18.55	63.84	8.61	26.76
MW-34C	45.31	4/9/2007	16.34	62.06	10.39	28.97
MW-34C	45.31	7/27/2007	NM			
MW-34C	45.31	1/29/2008	16.32			28.99
MW-34C	45.31	7/15/2008	18.13	43.49	29.01	27.18
MW-34C	45.31	2/5/2009	18.08	61.79	10.71	27.23
MW-34C	45.31	7/23/2009	NM			
MW-34C	45.31	1/9/2010	16.41	69.20	3.30	28.9
MW-34C	45.31	7/12/2010	NM			
MW-34C	45.31	1/12/2011	16.41	64.90	7.60	28.9
MW-34C	45.31	7/11/2011	19.08	65.26	7.24	26.23
MW-34C	45.31	2/8/2012	18.41			26.9
MW-34C	45.31	7/10/2012	NM			
MW-34C	45.31	1/8/2013	NM			
MW-34C	45.31	7/23/2013	NM			
MW-34CR	46.47	7/16/2014	19.17			27.30
MW-34CR	46.47	1/5/2015	19.01			27.46
MW-34CR	46.47	8/10/2015	17.39			29.08
MW-34CR	46.47	1/13/2016	15.99			30.48
MW-34CR	46.47	7/6/2016	16.06			30.41
MW-34CR	46.47	1/12/2017	16.94			29.53
MW-34CR	46.47	7/5/2017	17.01			29.46
MW-34CR	46.47	9/6/2017	17.11			29.36
MW-34CR	46.47	2/11/2018	18.19			28.28
MW-34CR	46.47	3/12/2018	18.52			27.95
MW-34CR	46.47	5/14/2018	18.26			28.21
MW-34CR	46.47	1/3/2019	18.26			28.21
MW-34CR	46.47	7/9/2019	NM			damaged
MW-34CR	46.47	3/31/2020	17.49			28.98
MW-34CR	46.47	7/7/2020	18.21			28.26
MW-34CR	46.47	1/4/2021	17.56			28.91
MW-34CR	46.47	7/8/2021	16.33			30.14
MW-34CR	46.47	1/4/2022	17.56			28.91
MW-34CR	46.47	7/7/2022	19.27			27.20
MW-34CR	46.47	1/4/2023	19.33			27.14
MW-34CR	46.47	7/6/2023	19.19			27.28
MW-34CR	46.47	1/3/2024	17.79			28.68
MW-34CR	46.47	7/22/2024	17.54			28.93
MW-35A	44.75	3/7/2007	3.49			41.82
MW-35A	44.75	7/27/2007	3.05			42.26
MW-35A	44.75	1/29/2008	1.82			43.49
MW-35A	44.75	7/14/2008	6.21			39.1
MW-35A	44.75	2/3/2009	5.54			39.77
MW-35A	44.75	7/23/2009	5.76			39.55
MW-35A	44.75	1/9/2010	4.14			41.17
MW-35A	44.75	7/12/2010	6.04			39.27
MW-35A	44.75	1/13/2011	2.46			42.85
MW-35A	44.75	7/11/2011	8.44			36.87
MW-35A	44.75	1/27/2012	1.35			43.96
MW-35A	44.75	7/10/2012	2.33			42.98
MW-35A	44.75	1/8/2013	5.37			39.94
MW-35A	44.75	7/23/2013	9.18			36.13
MW-35A	44.75	1/8/2014	5.06			40.25
MW-35A	44.75	7/15/2014	6.51			38.24
MW-35A	44.75	1/5/2015	4.22			40.53
MW-35A	44.75	8/10/2015	3.68			41.07
MW-35A	44.75	1/13/2016	3.08			41.67
MW-35A	44.75	7/6/2016	3.34			41.41
MW-35A	44.75	1/12/2017	3.87			40.88

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-35A	44.75	7/5/2017	4.41			40.34
MW-35A	44.75	9/6/2017	NM			
MW-35A	44.75	2/11/2018	3.69			41.06
MW-35A	44.75	3/11/2018	4.06			40.69
MW-35A	44.75	5/14/2018	8.71			36.04
MW-35A	44.75	1/3/2019	8.06			36.69
MW-35A	44.75	7/9/2019	7.92			36.83
MW-35A	44.75	1/8/2020	4.41			40.34
MW-35A	44.75	7/7/2020	4.45			40.3
MW-35A	44.75	1/4/2021	2.51			42.24
MW-35A	44.75	7/6/2021	0.72			44.03
MW-35A	44.75	1/4/2022	3.39			41.36
MW-35A	44.75	7/6/2022	5.98			38.77
MW-35A	44.75	1/4/2023	2.73			42.02
MW-35A	44.75	7/6/2023	6.09			38.66
MW-35A	44.75	1/3/2024	2.56			42.19
MW-35A	44.75	7/22/2024	2.87			41.88
MW-35B	44.83	3/7/2007	3.31			41.52
MW-35B	44.83	7/27/2007	3.29			41.54
MW-35B	44.83	1/29/2008	1.95			42.88
MW-35B	44.83	7/14/2008	6.40			38.43
MW-35B	44.83	2/3/2009	5.79			39.04
MW-35B	44.83	7/23/2009	6.42			38.41
MW-35B	44.83	1/9/2010	3.51			41.32
MW-35B	44.83	7/12/2010	6.39			38.44
MW-35B	44.83	1/13/2011	2.96			41.87
MW-35B	44.83	7/11/2011	8.67			36.16
MW-35B	44.83	1/27/2012	1.59			43.24
MW-35B	44.83	7/10/2012	2.74			42.09
MW-35B	44.83	1/8/2013	6.09			38.74
MW-35B	44.83	7/23/2013	9.22			35.61
MW-35B	44.83	1/8/2014	5.31			39.52
MW-35B	44.83	7/15/2014	6.75			38.08
MW-35B	44.83	1/5/2015	4.81			40.02
MW-35B	44.83	8/10/2015	3.97			40.86
MW-35B	44.83	1/13/2016	3.26			41.57
MW-35B	44.83	7/6/2016	3.57			41.26
MW-35B	44.83	1/12/2017	4.06			40.77
MW-35B	44.83	7/5/2017	4.66			40.17
MW-35B	44.83	9/6/2017	NM			
MW-35B	44.83	2/11/2018	4.06			40.77
MW-35B	44.83	3/11/2018	4.31			40.52
MW-35B	44.83	5/14/2018	6.11			38.72
MW-35B	44.83	1/3/2019	5.33			39.5
MW-35B	44.83	7/9/2019	5.62			39.21
MW-35B	44.83	1/8/2020	4.67			40.16
MW-35B	44.83	7/7/2020	4.7			40.13
MW-35B	44.83	1/4/2021	2.72			42.11
MW-35B	44.83	7/6/2021	0.91			43.92
MW-35B	44.83	1/4/2022	3.68			41.15
MW-35B	44.83	7/6/2022	6.22			38.61
MW-35B	44.83	1/4/2023	3.03			41.80
MW-35B	44.83	7/6/2023	6.23			38.60
MW-35B	44.83	1/3/2024	2.57			42.26
MW-35B	44.83	7/22/2024	2.85			41.98
MW-36A	44.53	3/7/2007	8.71			35.82
MW-36A	44.53	7/27/2007	6.54			37.99
MW-36A	44.53	1/29/2008	5.59			38.94
MW-36A	44.53	7/14/2008	9.33			35.2
MW-36A	44.53	2/3/2009	10.69			33.84
MW-36A	44.53	7/23/2009	12.03			32.5
MW-36A	44.53	1/9/2010	9.23			35.3
MW-36A	44.53	7/12/2010	9.14			35.39
MW-36A	44.53	1/13/2011	8.62			35.91
MW-36A	44.53	7/11/2011	12.16			32.37
MW-36A	44.53	1/27/2012	6.82			37.71
MW-36A	44.53	7/10/2012	6.68			37.85
MW-36A	44.53	1/8/2013	7.61			36.92
MW-36A	44.53	7/23/2013	11.36			33.17
MW-36A	44.53	1/8/2014	9.23			35.3
MW-36A	44.53	7/16/2014	8.62			35.91
MW-36A	44.53	1/5/2015	8.67			35.86
MW-36A	44.53	8/10/2015	6.47			38.06

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-36A	44.53	1/13/2016	5.79			38.74
MW-36A	44.53	7/6/2016	6.13			38.40
MW-36A	44.53	1/12/2017	6.58			37.95
MW-36A	44.53	7/5/2017	7.01			37.52
MW-36A	44.53	9/6/2017	6.92			37.61
MW-36A	44.53	2/11/2018	7.77			36.76
MW-36A	44.53	3/11/2018	8.06			36.47
MW-36A	44.53	5/14/2018	8.92			35.61
MW-36A	44.53	1/3/2019	8.22			36.31
MW-36A	44.53	7/9/2019	8.32			36.21
MW-36A	44.53	1/7/2020	8.83			35.7
MW-36A	44.53	7/7/2020	7.41			37.12
MW-36A	44.53	1/4/2021	6.51			38.02
MW-36A	44.53	7/8/2021	4.55			39.98
MW-36A	44.53	1/4/2022	7.86			36.67
MW-36A	44.53	7/6/2022	9.72			34.81
MW-36A	44.53	1/4/2023	6.43			38.10
MW-36A	44.53	7/6/2023	9.17			35.36
MW-36A	44.53	1/3/2024	6.23			38.30
MW-36A	44.53	7/22/2024	6.30			38.23
MW-36B	44.07	7/12/2010	1.32			42.75
MW-36B	44.07	1/13/2011	9.71			34.36
MW-36B	44.07	7/11/2011	11.57			32.5
MW-36B	44.07	1/27/2012	0.46			43.61
MW-36B	44.07	7/10/2012	6.64			37.43
MW-36B	44.07	1/8/2013	6.71			37.36
MW-36B	44.07	7/23/2013	9.39			34.68
MW-36B	44.07	1/8/2014	4.09			39.98
MW-36B	44.07	7/16/2014	3.61			40.46
MW-36B	44.07	1/5/2015	3.21			40.86
MW-36B	44.07	8/10/2015	1.46			42.61
MW-36B	44.07	1/13/2016	1.06			43.01
MW-36B	44.07	7/6/2016	4.06			40.01
MW-36B	44.07	1/12/2017	4.59			39.48
MW-36B	44.07	7/5/2017	4.72			39.35
MW-36B	44.07	9/6/2017	4.41			39.66
MW-36B	44.07	2/11/2018	0.32			43.75
MW-36B	44.07	3/11/2018	1.81			42.26
MW-36B	44.07	5/14/2018	1.62			42.45
MW-36B	44.07	1/3/2019	1.09			42.98
MW-36B	44.07	7/9/2019	1.86			42.21
MW-36B	44.07	1/7/2020	0.39			43.68
MW-36B	44.07	7/7/2020	4.89			39.18
MW-36B	44.07	1/4/2021	0.81			43.26
MW-36B	44.07	7/26/2021	1.92			42.15
MW-36B	44.07	1/4/2022	1.31			42.76
MW-36B	44.07	7/6/2022	7.67			36.4
MW-36B	44.07	1/4/2023	0.36			43.71
MW-36B	44.07	7/6/2023	5.74			38.33
MW-36B	44.07	1/3/2024	0.12			43.95
MW-36B	44.07	7/22/2024	5.84			38.23
MW-36D	44.33	7/12/2010	85.39			-41.06
MW-36D	44.33	1/13/2011	85.03			-40.7
MW-36D	44.33	7/11/2011	85.33			-41
MW-36D	44.33	1/27/2012	85.62			-41.29
MW-36D	44.33	7/10/2012	85.17			-40.84
MW-36D	44.33	1/8/2013	85.37			-41.04
MW-36D	44.33	7/23/2013	85.93			-41.6
MW-36D	44.33	1/8/2014	85.32			-40.99
MW-36D	44.33	7/16/2014	84.77			-40.44
MW-36D	44.33	1/5/2015	85.01			-40.68
MW-36D	44.33	8/10/2015	84.67			-40.34
MW-36D	44.33	1/13/2016	84.29			-39.96
MW-36D	44.33	7/6/2016	84.42			-40.09
MW-36D	44.33	1/12/2017	84.73			-40.40
MW-36D	44.33	7/5/2017	84.89			-40.56
MW-36D	44.33	9/6/2017	84.86			-40.53
MW-36D	44.33	2/11/2018	82.59			-38.26
MW-36D	44.33	3/11/2018	82.77			-38.44
MW-36D	44.33	5/14/2018	83.09			-38.76
MW-36D	44.33	1/3/2019	82.51			-38.18
MW-36D	44.33	7/9/2019	82.91			-38.58
MW-36D	44.33	1/7/2020	82.06			-37.73

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-36D	44.33	7/7/2020	81.92			-37.59
MW-36D	44.33	1/4/2021	81.85			-37.52
MW-36D	44.33	7/22/2021	81.76			-37.43
MW-36D	44.33	1/4/2022	81.34			-37.01
MW-36D	44.33	7/6/2022	82.62			-38.29
MW-36D	44.33	1/4/2023	83.29			-38.96
MW-36D	44.33	7/6/2023	85.12			-40.79
MW-36D	44.33	1/3/2024	84.26			-39.93
MW-36D	44.33	7/22/2024	80.73			-36.40
MW-38A	46.39	3/7/2007	3.26			43.13
MW-38A	46.39	7/27/2007	3.08			43.31
MW-38A	46.39	1/29/2008	1.85			44.54
MW-38A	46.39	7/14/2008	5.84			40.55
MW-38A	46.39	2/3/2009	5.15			41.24
MW-38A	46.39	7/23/2009	5.06			41.33
MW-38A	46.39	1/9/2010	2.27			44.12
MW-38A	46.39	7/12/2010	6.42			39.97
MW-38A	46.39	1/13/2011	1.76			44.63
MW-38A	46.39	7/11/2011	8.16			38.23
MW-38A	46.39	1/27/2012	1.8			44.59
MW-38A	46.39	7/10/2012	2.52			43.87
MW-38A	46.39	1/8/2013	4.62			41.77
MW-38A	46.39	7/23/2013	8.34			38.05
MW-38A	46.39	1/8/2014	4.77			41.62
MW-38A	46.39	7/15/2014	6.20			40.19
MW-38A	46.39	1/5/2015	4.16			42.23
MW-38A	46.39	8/10/2015	3.61			42.78
MW-38A	46.39	1/13/2016	3.02			43.37
MW-38A	46.39	7/6/2016	3.42			42.97
MW-38A	46.39	1/12/2017	4.01			42.38
MW-38A	46.39	7/5/2017	4.21			42.18
MW-38A	46.39	9/6/2017	4.12			42.27
MW-38A	46.39	2/11/2018	2.61			43.78
MW-38A	46.39	3/11/2018	4.12			42.27
MW-38A	46.39	5/14/2018	5.41			40.98
MW-38A	46.39	1/3/2019	4.66			41.73
MW-38A	46.39	7/9/2019	4.13			42.26
MW-38A	46.39	1/8/2020	1.51			44.88
MW-38A	46.39	7/7/2020	4.01			42.38
MW-38A	46.39	1/4/2021	2.38			44.01
MW-38A	46.39	7/6/2021	1.36			45.03
MW-38A	46.39	1/5/2022	3.71			42.68
MW-38A	46.39	7/6/2022	6.11			40.28
MW-38A	46.39	1/4/2023	2.06			44.33
MW-38A	46.39	7/6/2023	5.34			41.05
MW-38A	46.39	1/3/2024	1.63			44.76
MW-38A	46.39	7/22/2024	2.63			43.76
MW-38B	45.51	3/15/2004	1.07			44.44
MW-38B	45.51	9/14/2004	6.10			39.41
MW-38B	45.51	7/18/2005	2.41			43.1
MW-38B	45.51	1/6/2006	6.33			39.18
MW-38B	45.51	7/27/2006	1.27			44.24
MW-38B	45.51	3/7/2007	2.38			43.13
MW-38B	45.51	7/27/2007	2.25			43.26
MW-38B	45.51	1/29/2008	0.61			44.9
MW-38B	45.51	7/14/2008	4.86			40.65
MW-38B	45.51	2/3/2009	4.33			41.18
MW-38B	45.51	7/23/2009	4.47			41.04
MW-38B	45.51	1/9/2010	1.44			44.07
MW-38B	45.51	7/12/2010	5.72			39.79
MW-38B	45.51	1/13/2011	0.68			44.83
MW-38B	45.51	7/11/2011	7.82			37.69
MW-38B	45.51	1/27/2012	0.85			44.66
MW-38B	45.51	7/10/2012	0.74			44.77
MW-38B	45.51	1/8/2013	3.97			41.54
MW-38B	45.51	7/23/2013	7.51			38
MW-38B	45.51	1/8/2014	3.47			42.04
MW-38B	45.51	7/15/2014	5.50			40.01
MW-38B	45.51	1/5/2015	3.07			42.44
MW-38B	45.51	8/10/2015	2.17			43.34
MW-38B	45.51	1/13/2016	2.41			43.10
MW-38B	45.51	7/6/2016	2.96			42.55
MW-38B	45.51	1/12/2017	3.81			41.70

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-38B	45.51	7/5/2017	4.07			41.44
MW-38B	45.51	9/6/2017	3.91			41.60
MW-38B	45.51	2/11/2018	2.02			43.49
MW-38B	45.51	3/11/2018	3.22			42.29
MW-38B	45.51	5/14/2018	4.62			40.89
MW-38B	45.51	1/3/2019	3.79			41.72
MW-38B	45.51	7/9/2019	3.26			42.25
MW-38B	45.51	1/8/2020	3.79			41.72
MW-38B	45.51	7/7/2020	3.11			42.4
MW-38B	45.51	1/4/2021	1.22			44.29
MW-38B	45.51	7/6/2021	0.5			45.01
MW-38B	45.51	1/5/2022	1.72			43.79
MW-38B	45.51	7/6/2022	5.32			40.19
MW-38B	45.51	1/4/2023	1.13			44.38
MW-38B	45.51	7/6/2023	5.21			40.3
MW-38B	45.51	1/3/2024	0.26			45.25
MW-38B	45.51	7/22/2024	1.50			44.01
MW-39B	49.58	3/15/2004	5.48			44.1
MW-39B	49.58	9/13/2004	10.02			39.56
MW-39B	49.58	7/18/2005	7.21			42.37
MW-39B	49.58	1/4/2006	10.37			39.21
MW-39B	49.58	7/27/2006	6.08			43.5
MW-39B	49.58	3/7/2007	6.91			42.67
MW-39B	49.58	7/27/2007	5.74			43.84
MW-39B	49.58	1/30/2008	6.34			43.24
MW-39B	49.58	7/15/2008	8.96			40.62
MW-39B	49.58	2/4/2009	8.60			40.98
MW-39B	49.58	7/24/2009	9.13			40.45
MW-39B	49.58	1/8/2010	5.61			43.97
MW-39B	49.58	7/12/2010	9.31			40.27
MW-39B	49.58	1/12/2011	5.64			43.94
MW-39B	49.58	7/12/2011	11.97			37.61
MW-39B	49.58	1/26/2012	5.84			43.74
MW-39B	49.58	7/9/2012	5.77			43.81
MW-39B	49.58	1/7/2013	8.68			40.9
MW-39B	49.58	7/22/2013	11.17			38.41
MW-39B	49.58	1/7/2014	7.23			42.35
MW-39B	49.58	7/16/2014	9.46			40.12
MW-39B	49.58	1/5/2015	6.71			42.87
MW-39B	49.58	8/10/2015	4.82			44.76
MW-39B	49.58	1/13/2016	4.17			45.41
MW-39B	49.58	7/6/2016	4.26			45.32
MW-39B	49.58	1/12/2017	5.61			43.97
MW-39B	49.58	7/5/2017	5.87			43.71
MW-39B	49.58	9/6/2017	5.66			43.92
MW-39B	49.58	2/11/2018	6.09			43.49
MW-39B	49.58	3/11/2018	7.04			42.54
MW-39B	49.58	5/14/2018	8.73			40.85
MW-39B	49.58	1/3/2019	7.97			41.61
MW-39B	49.58	7/9/2019	7.47			42.11
MW-39B	49.58	1/7/2020	6.02			43.56
MW-39B	49.58	7/8/2020	7.41			42.17
MW-39B	49.58	1/6/2021	5.79			43.79
MW-39B	49.58	7/6/2021	4.92			44.66
MW-39B	49.58	1/4/2022	6.46			43.12
MW-39B	49.58	7/6/2022	8.53			41.05
MW-39B	49.58	1/4/2023	5.37			44.21
MW-39B	49.58	7/6/2023	8.43			41.15
MW-39B	49.58	1/3/2024	6.03			43.55
MW-39B	49.58	7/22/2024	5.70			43.88
MW-40B	49.59	3/15/2004	5.46			44.13
MW-40B	49.59	9/13/2004	9.72			39.87
MW-40B	49.59	7/18/2005	7.19			42.4
MW-40B	49.59	1/4/2006	10.25			39.34
MW-40B	49.59	7/27/2006	6.18			43.41
MW-40B	49.59	3/7/2007	6.81			42.78
MW-40B	49.59	7/27/2007	5.00			44.59
MW-40B	49.59	1/30/2008	5.23			44.36
MW-40B	49.59	7/15/2008	8.76			40.83
MW-40B	49.59	2/4/2009	8.57			41.02
MW-40B	49.59	7/24/2009	9.06			40.53
MW-40B	49.59	1/8/2010	5.37			44.22
MW-40B	49.59	7/12/2010	9.17			40.42

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-40B	49.59	1/12/2011	5.81			43.78
MW-40B	49.59	7/12/2011	11.46			38.13
MW-40B	49.59	1/26/2012	5.68			43.91
MW-40B	49.59	7/9/2012	5.74			43.85
MW-40B	49.59	1/7/2013	8.63			40.96
MW-40B	49.59	7/22/2013	11.06			38.53
MW-40B	49.59	1/7/2014	7.24			42.35
MW-40B	49.59	7/16/2014	9.27			40.32
MW-40B	49.59	1/5/2015	7.02			42.57
MW-40B	49.59	8/10/2015	5.02			44.57
MW-40B	49.59	1/13/2016	4.39			45.20
MW-40B	49.59	7/6/2016	4.67			44.92
MW-40B	49.59	1/12/2017	5.22			44.37
MW-40B	49.59	7/5/2017	5.77			43.82
MW-40B	49.59	9/6/2017	5.71			43.88
MW-40B	49.59	2/11/2018	6.21			43.38
MW-40B	49.59	3/11/2018	6.82			42.77
MW-40B	49.59	5/14/2018	8.44			41.15
MW-40B	49.59	1/3/2019	7.91			41.68
MW-40B	49.59	7/9/2019	7.23			42.36
MW-40B	49.59	1/7/2020	6.17			43.42
MW-40B	49.59	7/8/2020	7.19			42.4
MW-40B	49.59	1/6/2021	5.55			44.04
MW-40B	49.59	7/6/2021	4.53			45.06
MW-40B	49.59	1/4/2022	6.42			43.17
MW-40B	49.59	7/6/2022	8.92			40.67
MW-40B	49.59	1/4/2023	5.27			44.32
MW-40B	49.59	7/6/2023	8.92			40.67
MW-40B	49.59	1/3/2024	6.02			43.57
MW-40B	49.59	7/22/2024	5.26			44.33
MW-41B	49.37	3/15/2004	4.66			44.71
MW-41B	49.37	9/13/2004	9.76	35.01	9.80	39.61
MW-41B	49.37	7/18/2005	5.96	32.23	12.58	43.41
MW-41B	49.37	1/4/2006	10.03	32.21	12.60	39.34
MW-41B	49.37	7/27/2006	5.65	29.55	15.26	43.72
MW-41B	49.37	3/7/2007	4.41	29.13	15.68	44.96
MW-41B	49.37	7/27/2007	5.27	12.00	32.81	44.1
MW-41B	49.37	2/22/2008	5.04	25.14	19.67	44.7
MW-41B	49.37	7/15/2008	8.87	25.09	19.72	40.5
MW-41B	49.37	2/4/2009	8.93	23.79	21.02	40.44
MW-41B	49.37	7/24/2009	9.46	23.91	20.90	39.91
MW-41B	49.37	1/8/2010	5.92	23.65	21.16	43.45
MW-41B	49.37	5/27/2010	6.13	25.45	19.36	43.24
MW-41B	49.37	6/28/2010	6.21	38.2	6.61	43.16
MW-41B	49.37	7/12/2010	6.32	38.45	6.36	43.05
MW-41B	49.37	8/31/2010	6.26	39.22	5.59	43.11
MW-41B	49.37	1/12/2011	6.02	39.6	5.21	43.35
MW-41B	49.37	7/12/2011	8.86	39.75	5.06	40.51
MW-41B	49.37	3/8/2012	6.31	20.67	24.14	43.06
MW-41B	49.37	7/9/2012	8.23			41.14
MW-41B	49.37	1/7/2013	9.09	41.13	3.68	40.28
MW-41B	49.37	7/22/2013	10.31	39.29	5.52	39.06
MW-41B	49.37	1/7/2014	9.06	39.17	5.64	40.31
MW-41B	49.37	7/15/2014	8.62	37.86	6.95	40.75
MW-41B	49.37	1/5/2015	8.26	39.02	5.79	41.11
MW-41B	49.37	8/10/2015	6.01	40.39	4.42	43.36
MW-41B	49.37	1/13/2016	5.51	39.91	4.90	43.86
MW-41B	49.37	7/6/2016	5.72	40.01	4.80	43.65
MW-41B	49.37	1/12/2017	6.39	40.56	4.25	42.98
MW-41B	49.37	7/6/2017	6.34	40.57	4.24	43.03
MW-41B	49.37	9/6/2017	6.36	40.62	4.19	43.01
MW-41B	49.37	2/7/2018	6.97	40.76	4.05	42.40
MW-41B	49.37	3/11/2018	7.21	40.63	4.18	42.16
MW-41B	49.37	5/14/2018	8.71	40.82	3.99	40.66
MW-41B	49.37	7/2/2018	8.97	40.96	3.85	40.4
MW-41B	49.37	1/3/2019	8.22	40.83	3.98	41.15
MW-41B	49.37	7/9/2019	7.57	40.86	1.74	41.8
MW-41B	49.37	8/1/2019	7.46	39.42	5.39	41.91
MW-41B	49.37	1/8/2020	4.2	40.34	2.26	45.17
MW-41B	49.37	7/8/2020	7.29	BP		42.08
MW-41B	49.37	1/6/2021	4.48	BP		44.89
MW-41B	49.37	1/4/2022	5.26	BP		44.11
MW-41B	49.37	7/6/2022	6.54	BP		42.83

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-41B	49.37	1/4/2023	4.67	BP		44.70
MW-41B	49.37	7/6/2023	9.46	BP		39.91
MW-41B	49.37	1/3/2024	4.74			44.63
MW-41B	49.37	7/22/2024	4.80			44.57
MW-42B	50.52	3/7/2007	7.31			43.21
MW-42B	50.52	7/27/2007	5.74			44.78
MW-42B	50.52	1/30/2008	6.62			43.9
MW-42B	50.52	7/15/2008	8.73			41.79
MW-42B	50.52	2/4/2009	9.32			41.2
MW-42B	50.52	7/24/2009	9.61			40.91
MW-42B	50.52	1/8/2010	6.02			44.5
MW-42B	50.52	7/12/2010	7.13			43.39
MW-42B	50.52	1/12/2011	6.33			44.19
MW-42B	50.52	7/12/2011	11.76			38.76
MW-42B	50.52	1/26/2012	6.62			43.9
MW-42B	50.52	7/9/2012	6.81			43.71
MW-42B	50.52	1/7/2013	9.23			41.29
MW-42B	50.52	7/22/2013	11.08			39.44
MW-42B	50.52	1/7/2014	8.02			42.5
MW-42B	50.52	7/15/2014	7.37			43.15
MW-42B	50.52	1/5/2015	7.31			43.21
MW-42B	50.52	8/10/2015	5.67			44.85
MW-42B	50.52	1/13/2016	4.92			45.60
MW-42B	50.52	7/6/2016	5.36			45.16
MW-42B	50.52	1/12/2017	5.94			44.58
MW-42B	50.52	7/6/2017	6.27			44.25
MW-42B	50.52	9/6/2017	6.39			44.13
MW-42B	50.52	2/11/2018	6.84			43.68
MW-42B	50.52	3/11/2018	7.12			43.40
MW-42B	50.52	5/14/2018	8.76			41.76
MW-42B	50.52	7/2/2018	8.99			41.53
MW-42B	50.52	1/3/2019	8.02			42.50
MW-42B	50.52	7/9/2019	7.42			43.1
MW-42B	50.52	1/7/2020	6.97			43.55
MW-42B	50.52	7/8/2020	7.29			43.23
MW-42B	50.52	1/6/2021	6.03			44.49
MW-42B	50.52	7/8/2021	5.17			45.35
MW-42B	50.52	1/4/2022	6.83			43.69
MW-42B	50.52	7/6/2022	8.63			41.89
MW-42B	50.52	1/4/2023	5.92			44.6
MW-42B	50.52	7/6/2023	8.26			42.26
MW-42B	50.52	1/3/2024	6.71			43.81
MW-42B	50.52	7/22/2024	5.57			44.95
MW-44A	45.11	3/7/2007	10.86			34.25
MW-44A	45.11	7/27/2007	7.46			37.65
MW-44A	45.11	1/30/2008	8.44			36.67
MW-44A	45.11	7/14/2008	10.75			34.36
MW-44A	45.11	2/3/2009	12.55			32.56
MW-44A	45.11	7/23/2009	12.76			32.35
MW-44A	45.11	1/9/2010	10.23			34.88
MW-44A	45.11	7/12/2010	11.24			33.87
MW-44A	45.11	1/12/2011	9.63			35.48
MW-44A	45.11	7/11/2011	12.59			32.52
MW-44A	45.11	1/27/2012	9.27			35.84
MW-44A	45.11	7/10/2012	10.11			35
MW-44A	45.11	1/8/2013	11.01			34.1
MW-44A	45.11	7/23/2013	12.24			32.87
MW-44A	45.11	1/8/2014	11.91			33.2
MW-44A	45.11	7/16/2014	11.32			33.79
MW-44A	45.11	1/5/2015	11.27			33.84
MW-44A	45.11	8/10/2015	9.71			35.40
MW-44A	45.11	1/13/2016	9.11			36.00
MW-44A	45.11	7/6/2016	9.26			35.85
MW-44A	45.11	1/12/2017	9.71			35.40
MW-44A	45.11	7/5/2017	10.06			35.05
MW-44A	45.11	9/6/2017	9.94			35.17
MW-44A	45.11	2/11/2018	8.79			36.32
MW-44A	45.11	3/11/2018	9.83			35.28
MW-44A	45.11	5/14/2018	9.91			35.20
MW-44A	45.11	1/3/2019	9.23			35.88
MW-44A	45.11	7/9/2019	8.67			36.44
MW-44A	45.11	1/8/2020	10.18			34.93
MW-44A	45.11	7/7/2020	9.58			35.53

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-44A	45.11	1/4/2021	8.34			36.77
MW-44A	45.11	7/8/2021	7.33			37.78
MW-44A	45.11	1/4/2022	8.61			36.5
MW-44A	45.11	7/6/2022	10.07			35.04
MW-44A	45.11	1/4/2023	8.91			36.2
MW-44A	45.11	7/6/2023	10.23			34.88
MW-44A	45.11	1/3/2024	10.22			34.89
MW-44A	45.11	7/22/2024	8.82			36.29
MW-44C	45.03	3/15/2004	17.54			27.49
MW-44C	45.03	9/14/2004	18.35			26.68
MW-44C	45.03	7/18/2005	18.90	64.77	5.35	26.13
MW-44C	45.03	1/6/2006	20.03	66.50	5.37	25
MW-44C	45.03	7/27/2006	18.47	63.35	6.75	26.56
MW-44C	45.03	3/7/2007	16.02	62.30	7.75	29.01
MW-44C	45.03	7/27/2007	14.83	65.45	5.50	30.2
MW-44C	45.03	1/29/2008	15.95			29.08
MW-44C	45.03	7/14/2008	17.91	64.95	6.18	27.12
MW-44C	45.03	2/3/2009	16.72	64.15	6.98	28.31
MW-44C	45.03	7/23/2009	17.12	64.05	6.75	27.91
MW-44C	45.03	1/9/2010	15.57	63.81	6.99	29.46
MW-44C	45.03	5/27/2010	16.67	64.7	6.10	28.36
MW-44C	45.03	6/28/2010	16.77	67.85	2.95	28.26
MW-44C	45.03	7/12/2010	16.91	70.35	0.45	28.12
MW-44C	45.03	8/31/2010	16.89	70.63	0.17	28.14
MW-44C	45.03	1/12/2011	16.77	70.05	0.75	28.26
MW-44C	45.03	7/11/2011	19.31	70.05	0.75	25.72
MW-44C	45.03	1/27/2012	17.91	63.88	6.92	27.12
MW-44C	45.03	7/10/2012	17.61	63.7	7.10	27.42
MW-44C	45.03	1/8/2013	19.02	62.94	7.86	26.01
MW-44C	45.03	7/23/2013	20.36	70.26	0.54	24.67
MW-44C	45.03	1/8/2014	19.67	70.42	0.38	25.36
MW-44C	45.03	7/16/2014	18.72	69.31	1.49	26.31
MW-44C	45.03	1/5/2015	18.67	69.82	0.98	26.36
MW-44C	45.03	8/10/2015	16.31	70.29	0.51	28.72
MW-44C	45.03	1/13/2016	16.26	69.93	0.87	28.77
MW-44C	45.03	7/6/2016	16.47	69.71	1.09	28.56
MW-44C	45.03	1/12/2017	17.22	70.11	0.69	27.81
MW-44C	45.03	7/5/2017	17.33	70.34	0.46	27.70
MW-44C	45.03	9/6/2017	17.36	70.43	0.37	27.67
MW-44C	45.03	2/8/2018	17.77	70.34	0.46	27.26
MW-44C	45.03	5/15/2018	NM			
MW-44C	45.13	1/4/2019	18.42	70.41	0.39	26.71
MW-44C	45.13	7/9/2019	18.27			26.86
MW-44C	45.13	1/8/2020	16.81			28.32
MW-44C	45.13	7/7/2020	11.35			33.78
MW-44C	45.13	1/4/2021	16.15			28.98
MW-44C	45.13	7/8/2021	14.91			30.22
MW-44C	45.13	1/4/2022	16.03			29.1
MW-44C	45.13	7/6/2022	18.19			26.94
MW-44C	45.13	1/4/2023	17.37			27.76
MW-44C	45.13	7/6/2023	17.58			27.55
MW-44C	45.13	1/3/2024	17.52			27.61
MW-44C	45.13	7/22/2024	15.65			29.48
MW-45C	44.73	3/15/2004	17.15			27.58
MW-45C	44.73	9/14/2004	17.82	61.66	9.02	26.91
MW-45C	44.73	7/18/2005	18.38	60.76	9.89	26.35
MW-45C	44.73	1/6/2006	19.51	62.87	8.87	25.22
MW-45C	44.73	7/27/2006	17.92	61.64	8.94	26.81
MW-45C	44.73	3/7/2007	15.95	60.81	9.79	28.78
MW-45C	44.73	7/27/2007	14.38			30.35
MW-45C	44.73	1/29/2008	14.86	61.39	9.46	29.87
MW-45C	44.73	7/14/2008	17.22	61.25	9.88	27.51
MW-45C	44.73	2/3/2009	17.00	61.24	9.61	27.73
MW-45C	44.73	7/23/2009	17.46	61.30	9.55	27.27
MW-45C	44.73	1/9/2010	14.98	61.56	9.29	29.75
MW-45C	44.73	5/27/2010	16.31	61.1	9.75	28.42
MW-45C	44.73	6/28/2010	16.42	63.45	7.40	28.31
MW-45C	44.73	7/12/2010	16.61	68.8	2.05	28.12
MW-45C	44.73	8/31/2010	16.46	69.62	1.23	28.27
MW-45C	44.73	1/12/2011	16.31	69.1	1.75	28.42
MW-45C	44.73	7/11/2011	18.29	69.3	1.55	26.44
MW-45C	44.73	3/8/2012	16.31	70.6	0.25	28.42
MW-45C	44.73	7/10/2012	20.69	70.21	0.64	24.04

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-45C	44.73	1/8/2013	21.39	69.91	0.69	23.34
MW-45C	44.73	7/23/2013	22.72	70.39	0.21	22.01
MW-45C	44.73	1/8/2014	22.13	70.35	0.25	22.6
MW-45C	44.73	7/16/2014	21.32	69.91	0.69	23.41
MW-45C	44.73	1/5/2015	20.19	70.55	0.05	24.54
MW-45C	44.73	8/10/2015	18.61			26.12
MW-45C	44.73	1/13/2016	17.49			27.24
MW-45C	44.73	7/6/2016	17.62			27.11
MW-45C	44.73	1/12/2017	18.22			26.51
MW-45C	44.73	7/5/2017	17.96			26.77
MW-45C	44.73	9/6/2017	18.16			26.57
MW-45C	44.73	2/8/2018	18.62	70.6	0.00	26.11
MW-45C	44.73	3/11/2018	18.83			25.9
MW-45C	44.73	5/15/2018	19.61			25.12
MW-45C	44.73	1/4/2019	19.02			25.71
MW-45C	44.73	7/9/2019	18.39			26.34
MW-45C	44.73	1/7/2020	16.24			28.49
MW-45C	44.73	7/7/2020	16.3			28.43
MW-45C	44.73	1/4/2021	15.61			29.12
MW-45C	44.73	7/8/2021	14.39			30.34
MW-45C	44.73	1/4/2022	15.62			29.11
MW-45C	44.73	7/6/2022	17.98			26.75
MW-45C	44.73	1/4/2023	16.22			28.51
MW-45C	44.73	7/6/2023	17.22			27.51
MW-45C	44.73	10/5/2023	18.71			26.02
MW-45C	44.73	10/19/2023	18.71			26.02
MW-45C	44.73	11/2/2023	18.66			26.07
MW-45C	44.73	11/16/2023	18.4			26.33
MW-45C	44.73	11/30/2023	18.29			26.44
MW-45C	44.73	12/14/2023	18.05	Trace	Trace	26.68
MW-45C	44.73	1/3/2024	17.52			27.21
MW-45C	44.73	7/22/2024	15.13			29.6
MW-46C	44.94	3/15/2004	16.16			28.78
MW-46C	44.94	9/14/2004	17.97			26.97
MW-46C	44.94	7/18/2005	18.50	69.05	3.78	26.44
MW-46C	44.94	1/13/2006	19.66	70.20	3.22	25.28
MW-46C	44.94	7/27/2006	17.96	68.89	3.90	26.98
MW-46C	44.94	3/7/2007	16.01	69.32	3.43	28.93
MW-46C	44.94	7/27/2007	14.54	69.31	3.59	30.4
MW-46C	44.94	1/30/2008	15.68	70.81	2.00	29.26
MW-46C	44.94	7/14/2008	17.38	69.97	2.84	27.56
MW-46C	44.94	2/3/2009	16.78	69.28	3.53	28.16
MW-46C	44.94	7/23/2009	17.59	69.35	3.55	27.35
MW-46C	44.94	1/9/2010	14.53	68.74	4.16	30.41
MW-46C	44.94	5/27/2010	16.26	69.4	3.50	28.68
MW-46C	44.94	6/28/2010	16.39	70.85	2.05	28.55
MW-46C	44.94	7/12/2010	16.29	72.25	0.65	28.65
MW-46C	44.94	8/31/2010	16.13	72.46	0.44	28.81
MW-46C	44.94	1/12/2011	15.96	71.75	1.15	28.98
MW-46C	44.94	7/11/2011	18.07	71.65	1.25	26.87
MW-46C	44.94	1/26/2012	16.54			28.4
MW-46C	44.94	7/10/2012	20.34	72.8	0.10	24.6
MW-46C	44.94	1/8/2013	21.18	71.31	1.59	23.76
MW-46C	44.94	7/23/2013	21.96	72.16	0.74	22.98
MW-46C	44.94	1/8/2014	21.81	72.55	0.35	23.13
MW-46C	44.94	7/16/2014	20.86	71.39	1.51	24.08
MW-46C	44.94	1/5/2015	20.47	72.06	0.84	24.47
MW-46C	44.94	8/10/2015	18.39	72.42	0.48	26.55
MW-46C	44.94	1/13/2016	18.24	72.59	0.31	26.70
MW-46C	44.94	7/6/2016	18.54	72.49	0.41	26.40
MW-46C	44.94	1/12/2017	19.27	72.46	0.44	25.67
MW-46C	44.94	7/5/2017	19.12	72.34	0.56	25.82
MW-46C	44.94	9/6/2017	19.29	72.34	0.56	25.65
MW-46C	44.94	2/8/2018	19.96	72.46	0.44	24.98
MW-46C	44.94	3/11/2018	20.04	72.32	0.58	24.90
MW-46C	44.94	5/15/2018	21.02	72.59	0.31	23.92
MW-46C	44.94	1/4/2019	20.49	72.46	0.44	24.45
MW-46C	44.94	7/9/2019	18.72			26.22
MW-46C	44.94	1/7/2020	16.34			28.6
MW-46C	44.94	7/7/2020	16.5			28.44
MW-46C	44.94	1/4/2021	15.81			29.13
MW-46C	44.94	7/8/2021	14.61			30.33
MW-46C	44.94	1/4/2022	15.67			29.27

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-46C	44.94	7/6/2022	18.13			26.81
MW-46C	44.94	1/4/2023	16.91			28.03
MW-46C	44.94	7/6/2023	17.22			27.72
MW-46C	44.94	1/3/2024	16.91			28.03
MW-46C	44.94	7/22/2024	15.37			29.57
MW-47A	45.58	3/20/2020	9.26			36.32
MW-47A	45.58	6/1/2020	8.11			37.47
MW-47A	45.58	7/8/2020	8.01			37.57
MW-47A	45.58	1/5/2021	7.21			38.37
MW-47A	45.58	7/12/2021	5.21			40.37
MW-47A	45.58	1/4/2022	8.68			36.9
MW-47A	45.58	7/6/2022	9.37			36.21
MW-47A	45.58	1/4/2023	6.26			39.32
MW-47A	45.58	7/6/2023	9.54			36.04
MW-47A	45.58	1/3/2024	5.52			40.06
MW-47A	45.58	7/22/2024	6.40			39.18
MW-47C	45.61	7/27/2007	16.62			28.99
MW-47C	45.61	1/29/2008	16.04			29.57
MW-47C	45.61	7/14/2008	18.15			27.46
MW-47C	45.61	2/4/2009	18.39			27.22
MW-47C	45.61	7/23/2009	18.61			27
MW-47C	45.61	1/9/2010	16.46			29.15
MW-47C	45.61	7/12/2010	18.33			27.28
MW-47C	45.61	1/12/2011	17.86			27.75
MW-47C	45.61	7/11/2011	19.94			25.67
MW-47C	45.61	1/26/2012	18.77			26.84
MW-47C	45.61	7/9/2012	18.17			27.44
MW-47C	45.61	1/8/2013	19.47			26.14
MW-47C	45.61	7/23/2013	20.61			25
MW-47C	45.61	1/8/2014	19.57			26.04
MW-47C	45.61	7/16/2014	19.02			26.59
MW-47C	45.61	1/5/2015	19.07			26.54
MW-47C	45.61	8/10/2015	17.41			28.20
MW-47C	45.61	1/13/2016	16.83			28.78
MW-47C	45.61	7/6/2016	17.01			28.60
MW-47C	45.61	1/12/2017	17.59			28.02
MW-47C	45.52	7/5/2017	NM			
MW-47C	45.52	9/6/2017	NM			
MW-47C	45.52	1/7/2020	17.28			28.24
MW-47C	45.52	7/8/2020	17.4			28.12
MW-47C	45.52	1/5/2021	16.78			28.74
MW-47C	45.52	7/12/2021	15.21			30.31
MW-47C	45.52	1/4/2022	17.74			27.78
MW-47C	45.52	7/6/2022	18.73			26.79
MW-47C	45.52	1/4/2023	17.71			27.81
MW-47C	45.52	7/6/2023	18.08			27.44
MW-47C	45.52	1/3/2024	17.92			27.60
MW-47C	45.52	9/4/2024	16.76			NM
MW-48C	44.68	3/15/2004	17.31			27.37
MW-48C	44.68	9/14/2004	18.60			26.08
MW-48C	44.68	7/18/2005	19.17			25.51
MW-48C	44.68	1/6/2006	20.33			24.35
MW-48C	44.68	7/27/2006	18.73			25.95
MW-48C	44.68	3/7/2007	16.52			28.16
MW-48C	44.68	7/27/2007	15.22			29.46
MW-48C	44.68	1/29/2008	16.32			28.36
MW-48C	44.68	7/14/2008	17.63			27.05
MW-48C	44.68	2/4/2009	17.97			26.71
MW-48C	44.68	7/24/2009	18.39			26.29
MW-48C	44.68	1/9/2010	15.81			28.87
MW-48C	44.68	7/12/2010	17.42			27.26
MW-48C	44.68	1/12/2011	17.52			27.16
MW-48C	44.68	7/11/2011	19.58			25.1
MW-48C	44.68	1/26/2012	18.52			26.16
MW-48C	44.68	7/9/2012	17.12			27.56
MW-48C	44.68	1/8/2013	18.26			26.42
MW-48C	44.68	7/23/2013	20.17			24.51
MW-48C	44.68	1/8/2014	19.19			25.49
MW-48C	44.68	7/16/2014	18.38			26.30
MW-48C	44.68	1/5/2015	18.76			25.92
MW-48C	44.68	8/10/2015	16.34			28.34
MW-48C	44.68	1/13/2016	15.72			28.96
MW-48C	44.68	7/6/2016	16.16			28.52

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-48C	44.68	1/12/2017	16.71			27.97
MW-48C	44.68	7/5/2017	17.17			27.51
MW-48C	44.68	9/6/2017	17.15			27.53
MW-48C	44.68	2/11/2018	17.36			27.32
MW-48C	44.68	3/11/2018	16.74			27.94
MW-48C	44.68	5/14/2018	17.33			27.35
MW-48C	44.68	1/4/2019	16.67			28.01
MW-48C	44.68	7/9/2019	18.23			26.45
MW-48C	44.68	1/7/2020	17.09			27.59
MW-48C	44.68	7/16/2020	17.87			26.81
MW-48C	44.68	1/5/2021	16.48			28.20
MW-48C	44.68	7/12/2021	14.81			29.87
MW-48C	44.68	1/4/2022	18.74			25.94
MW-48C	44.68	7/6/2022	18.38			26.30
MW-48C	44.68	1/4/2023	17.19			27.49
MW-48C	44.68	7/6/2023	18.17			26.51
MW-48C	44.68	1/3/2024	17.02			27.66
MW-48C	44.68	7/22/2024	15.80			28.88
MW-49A	46.18	3/7/2007	12.91			33.27
MW-49A	46.18	7/27/2007	8.86			37.32
MW-49A	46.18	1/31/2008	12.02			34.16
MW-49A	46.18	7/15/2008	12.99			33.19
MW-49A	46.18	2/4/2009	13.29			32.89
MW-49A	46.18	7/24/2009	13.71			32.47
MW-49A	46.18	1/9/2010	11.07			35.11
MW-49A	46.18	7/12/2010	11.62			34.56
MW-49A	46.18	1/12/2011	10.82			35.36
MW-49A	46.18	7/11/2011	12.31			33.87
MW-49A	46.18	1/26/2012	9.48			36.7
MW-49A	46.18	7/9/2012	9.79			36.39
MW-49A	46.18	1/8/2013	11.31			34.87
MW-49A	46.18	7/23/2013	11.92			34.26
MW-49A	46.18	1/8/2014	11.56			34.62
MW-49A	46.18	7/16/2014	10.57			35.61
MW-49A	46.18	1/5/2015	16.12			30.06
MW-49A	46.18	8/10/2015	9.61			36.57
MW-49A	46.18	1/13/2016	9.34			36.84
MW-49A	46.18	7/6/2016	9.57			36.61
MW-49A	46.18	1/12/2017	10.03			36.15
MW-49A	46.18	7/5/2017	10.32			35.86
MW-49A	46.18	9/6/2017	10.24			35.94
MW-49A	46.18	2/11/2018	10.29			35.89
MW-49A	46.18	3/11/2018	10.56			35.62
MW-49A	46.18	5/14/2018	12.34			33.84
MW-49A	46.18	1/4/2019	11.81			34.37
MW-49A	46.18	7/9/2019	11.21			34.97
MW-49A	46.18	1/7/2020	11.12			35.06
MW-49A	46.18	7/8/2020	10.4			35.78
MW-49A	46.18	1/5/2021	8.94			37.24
MW-49A	46.18	7/12/2021	6.42			39.76
MW-49A	46.18	1/4/2022	10.54			35.64
MW-49A	46.18	7/6/2022	10.29			35.89
MW-49A	46.18	1/4/2023	9.47			36.71
MW-49A	46.18	7/6/2023	10.12			36.06
MW-49A	46.18	1/3/2024	10.62			35.56
MW-49A	46.18	7/22/2024	10.30			35.88
MW-49B	46.22	2/4/2009	11.65			34.57
MW-49B	46.22	7/24/2009	11.93			34.29
MW-49B	46.22	1/9/2010	9.73			36.49
MW-49B	46.22	7/12/2010	11.36			34.86
MW-49B	46.22	1/12/2011	8.04			38.18
MW-49B	46.22	7/11/2011	12.29			33.93
MW-49B	46.22	1/26/2012	10.74			35.48
MW-49B	46.22	7/9/2012	7.38			38.84
MW-49B	46.22	1/8/2013	11.27	33.56	1.19	34.95
MW-49B	46.22	7/23/2013	11.83	33.91	0.84	34.39
MW-49B	46.22	1/8/2014	11.24			34.98
MW-49B	46.22	7/16/2014	9.62			36.60
MW-49B	46.22	1/5/2015	10.74			35.48
MW-49B	46.22	8/10/2015	8.17			38.05
MW-49B	46.22	1/13/2016	7.74			38.48
MW-49B	46.22	7/6/2016	8.02			38.20
MW-49B	46.22	1/12/2017	8.46			37.76

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-49B	46.22	7/5/2017	8.72			37.50
MW-49B	46.22	9/6/2017	8.67			37.55
MW-49B	46.22	2/11/2018	10.03			36.19
MW-49B	46.22	3/11/2018	10.64			35.58
MW-49B	46.22	5/14/2018	13.27			32.95
MW-49B	46.22	1/4/2019	12.59			33.63
MW-49B	46.22	7/9/2019	12.02	34.62	0.24	34.2
MW-49B	46.22	1/7/2020	11.51	20.09	12.96	34.71
MW-49B	46.22	7/8/2020	10.52	32.41	0.64	35.7
MW-49B	46.22	1/5/2021	6.41	32.2	0.85	39.81
MW-49B	46.22	7/12/2021	3.47			42.75
MW-49B	46.22	1/4/2022	7.86			38.36
MW-49B	46.22	7/6/2022	8.64			37.58
MW-49B	46.22	1/4/2023	7.62	20.17	8.33	38.6
MW-49B	46.22	7/6/2023	9.61	23.16	5.34	36.61
MW-49B	46.22	1/3/2024	NM	NM	NM	NM
MW-49B	46.22	7/22/2024	NM			NM
MW-50A	46.96	3/7/2007	8.16			38.8
MW-50A	46.96	7/27/2007	4.70			42.26
MW-50A	46.96	1/31/2008	5.68			41.28
MW-50A	46.96	7/16/2008	7.99			38.97
MW-50A	46.96	2/4/2009	9.31			37.65
MW-50A	46.96	7/24/2009	9.49			37.47
MW-50A	46.96	1/9/2010	7.02			39.94
MW-50A	46.96	7/12/2010	8.74			38.22
MW-50A	46.96	1/12/2011	5.61			41.35
MW-50A	46.96	7/11/2011	9.86			37.1
MW-50A	46.96	1/26/2012	7.21			39.75
MW-50A	46.96	7/9/2012	4.63			42.33
MW-50A	46.96	1/8/2013	5.91			41.05
MW-50A	46.96	7/23/2013	7.13			39.83
MW-50A	46.96	1/8/2014	6.71			40.25
MW-50A	46.96	7/16/2014	6.29			40.67
MW-50A	46.96	1/5/2015	6.22			40.74
MW-50A	46.96	8/10/2015	5.01			41.95
MW-50A	46.96	1/13/2016	4.06			42.90
MW-50A	46.96	7/6/2016	4.71			42.25
MW-50A	46.96	1/12/2017	5.21			41.75
MW-50A	46.96	7/5/2017	5.63			41.33
MW-50A	46.96	9/6/2017	5.51			41.45
MW-50A	46.96	2/11/2018	4.39			42.57
MW-50A	46.96	3/11/2018	4.81			42.15
MW-50A	46.96	5/15/2018	5.27			41.69
MW-50A	46.96	1/3/2019	4.62			42.34
MW-50A	46.96	7/9/2019	4.21			42.75
MW-50A	46.96	1/7/2020	7.09			39.87
MW-50A	46.96	7/8/2020	7.19			39.77
MW-50A	46.96	1/5/2021	4.82			42.14
MW-50A	46.96	7/12/2021	6.41			40.55
MW-50A	46.96	1/4/2022	7.31			39.65
MW-50A	46.96	7/6/2022	6.58			40.38
MW-50A	46.96	1/4/2023	4.72			42.24
MW-50A	46.96	7/6/2023	3.97			42.99
MW-50A	46.96	1/3/2024	3.29			43.67
MW-50A	46.96	9/4/2024	3.76			43.2
MW-50B	47.55	3/12/2020	8.37			39.18
MW-50B	47.55	5/26/2020	8.31			39.24
MW-50B	47.55	7/8/2020	7.91			39.64
MW-50B	47.55	1/5/2021	7.92			39.63
MW-50B	47.55	7/12/2021	3.61			43.94
MW-50B	47.55	1/4/2022	8.32			39.23
MW-50B	47.55	7/6/2022	9.12			38.43
MW-50B	47.55	1/4/2023	9.17			38.38
MW-50B	47.55	7/6/2023	7.34			40.21
MW-50B	47.55	1/3/2024	4.29			43.26
MW-50B	47.55	7/22/2024	6.32			41.23
MW-51A	47.80	3/7/2007	6.96			40.84
MW-51A	47.80	7/27/2007	5.45			42.35
MW-51A	47.80	1/31/2008	5.92			41.88
MW-51A	47.80	7/15/2008	NM			
MW-51A	47.80	2/4/2009	9.98			37.82
MW-51A	47.80	7/24/2009	10.34			37.46
MW-51A	47.80	1/9/2010	7.83			39.97

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-51A	47.80	7/12/2010	9.16			38.64
MW-51A	47.80	1/12/2011	8.56			39.24
MW-51A	47.80	7/11/2011	12.74			35.06
MW-51A	47.80	1/26/2012	7.33			40.47
MW-51A	47.80	7/9/2012	7.26			40.54
MW-51A	47.80	1/8/2013	7.62			40.18
MW-51A	47.80	7/23/2013	10.54			37.26
MW-51A	47.80	1/8/2014	10.21			37.59
MW-51A	47.80	7/16/2014	8.51			39.29
MW-51A	47.80	1/5/2015	9.87			39.29
MW-51A	47.80	8/10/2015	7.96			39.84
MW-51A	47.80	1/13/2016	7.13			40.67
MW-51A	47.80	7/6/2016	7.29			40.51
MW-51A	47.80	1/12/2017	7.63			40.17
MW-51A	47.80	7/5/2017	7.74			40.06
MW-51A	47.80	9/6/2017	7.63			40.17
MW-51A	47.80	2/11/2018	5.92			41.88
MW-51A	47.80	3/12/2018	6.41			41.39
MW-51A	47.80	5/15/2018	7.16			40.64
MW-51A	47.80	1/4/2019	6.67			41.13
MW-51A	47.80	7/9/2019	6.29			41.51
MW-51A	47.80	1/7/2020	8.47			39.33
MW-51A	47.80	7/8/2020	7.45			40.35
MW-51A	47.80	1/5/2021	6.41			41.39
MW-51A	47.80	7/12/2021	4.5			43.3
MW-51A	47.80	1/4/2022	7.44			40.36
MW-51A	47.80	7/6/2022	8.17			39.63
MW-51A	47.80	1/4/2023	6.54			41.26
MW-51A	47.80	7/6/2023	7.57			40.23
MW-51A	47.80	1/3/2024	7.74			40.06
MW-51A	47.80	7/22/2024	5.77			42.03
MW-51C	47.48	7/16/2014	22.21			25.27
MW-51C	47.48	1/5/2015	NM			NM
MW-51C	47.48	8/10/2015	18.79			28.69
MW-51C	47.48	1/13/2016	18.06			29.42
MW-51C	47.48	7/6/2016	18.26			29.22
MW-51C	47.48	1/12/2017	18.68			28.80
MW-51C	47.48	7/5/2017	19.12			28.36
MW-51C	47.48	9/6/2017	19.02			28.46
MW-51C	47.48	2/11/2018	17.63			29.85
MW-51C	47.48	3/12/2018	18.03			29.45
MW-51C	47.48	5/15/2018	20.83			26.65
MW-51C	47.48	1/3/2019	20.17			27.31
MW-51C	47.48	7/9/2019	20.39			27.09
MW-51C	47.48	1/7/2020	20.34			27.14
MW-51C	47.48	7/8/2020	18.05			29.43
MW-51C	47.48	1/5/2021	21.97			25.51
MW-51C	47.48	7/12/2021	16.51			30.97
MW-51C	47.48	1/4/2022	19.31			28.17
MW-51C	47.48	7/6/2022	21.41			26.07
MW-51C	47.48	1/4/2023	20.81			26.67
MW-51C	47.48	7/6/2023	21.89			25.59
MW-51C	47.48	1/3/2024	21.12			26.36
MW-51C	47.48	9/4/2024	19.8			27.68
MW-52A	51.91	3/7/2007	13.66			38.25
MW-52A	51.91	7/27/2007	11.76			40.15
MW-52A	51.91	1/31/2008	12.60			39.31
MW-52A	51.91	7/15/2008	14.42			37.49
MW-52A	51.91	2/5/2009	15.52			36.39
MW-52A	51.91	7/23/2009	16.39			35.52
MW-52A	51.91	1/9/2010	12.57			39.34
MW-52A	51.91	7/12/2010	14.19			37.72
MW-52A	51.91	1/12/2011	9.06			42.85
MW-52A	51.91	7/12/2011	16.53			35.38
MW-52A	51.91	1/26/2012	12.99			38.92
MW-52A	51.91	7/9/2012	12.43			39.48
MW-52A	51.91	1/7/2013	14.94			36.97
MW-52A	51.91	7/22/2013	16.29			35.62
MW-52A	51.91	1/7/2014	16.01			35.9
MW-52A	51.91	7/15/2014	15.39			36.52
MW-52A	51.91	1/5/2015	15.37			36.54
MW-52A	51.91	8/10/2015	13.61			38.30
MW-52A	51.91	1/13/2016	12.96			38.95

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-52A	51.91	7/6/2016	NM			
MW-53C	45.49	3/7/2007	16.12			29.37
MW-53C	45.49	7/27/2007	14.55			30.94
MW-53C	45.49	1/29/2008	15.12			30.37
MW-53C	45.49	7/14/2008	16.86			28.63
MW-53C	45.49	2/3/2009	16.69			28.8
MW-53C	45.49	7/23/2009	17.62			27.87
MW-53C	45.49	1/9/2010	15.19			30.3
MW-53C	45.49	7/12/2010	15.71			29.78
MW-53C	45.49	1/12/2011	16.58			28.91
MW-53C	45.49	7/11/2011	18.61			26.88
MW-53C	45.49	1/27/2012	17.54			27.95
MW-53C	45.49	7/10/2012	17.73			27.76
MW-53C	45.49	1/8/2013	18.14			27.35
MW-53C	45.49	7/23/2013	19.28			26.21
MW-53C	45.49	1/8/2014	21.12			24.37
MW-53C	45.49	7/16/2014	17.37			28.12
MW-53C	45.49	1/5/2015	20.71			24.78
MW-53C	45.49	8/10/2015	18.72			26.77
MW-53C	45.49	1/13/2016	18.06			27.43
MW-53C	45.49	7/6/2016	18.42			27.07
MW-53C	45.49	1/12/2017	18.89			26.60
MW-53C	45.49	7/5/2017	19.16			26.33
MW-53C	45.49	9/6/2017	19.13			26.36
MW-53C	45.49	2/11/2018	16.43			29.06
MW-53C	45.49	3/11/2018	15.54			29.95
MW-53C	45.49	5/14/2018	16.56			28.93
MW-53C	45.49	1/4/2019	15.93			29.56
MW-53C	45.49	7/9/2019	15.86			29.63
MW-53C	45.49	1/7/2020	16.72			28.77
MW-53C	45.49	7/7/2020	14.15			31.34
MW-53C	45.49	1/4/2021	15.78			29.71
MW-53C	45.49	7/8/2021	12.95			32.54
MW-53C	45.49	1/4/2022	15.86			29.63
MW-53C	45.49	7/6/2022	18.04			27.45
MW-53C	45.49	1/4/2023	16.93			28.56
MW-53C	45.49	7/6/2023	17.32			28.17
MW-53C	45.49	1/3/2024	17.51			27.98
MW-53C	45.49	7/22/2024	15.35			30.14
MW-54B	45.25	3/11/2020	13.42			31.83
MW-54B	45.25	5/22/2020	13.70			31.55
MW-54B	45.25	7/7/2020	14.63			30.62
MW-54B	45.25	1/4/2021	13.41			31.84
MW-54B	45.25	7/8/2021	12.99			32.26
MW-54B	45.25	1/4/2022	11.92			33.33
MW-54B	45.25	7/6/2022	15.74			29.51
MW-54B	45.25	1/4/2023	14.15			31.1
MW-54B	45.25	7/6/2023	17.29			27.96
MW-54B	45.25	1/3/2024	14.64			30.61
MW-54B	45.25	7/22/2024	13.82			31.43
MW-54C	44.99	3/7/2007	15.74			29.25
MW-54C	44.99	7/27/2007	14.63			30.36
MW-54C	44.99	1/28/2008	15.28			29.71
MW-54C	44.99	7/14/2008	16.68			28.31
MW-54C	44.99	2/3/2009	16.87			28.12
MW-54C	44.99	7/23/2009	17.84			27.15
MW-54C	44.99	1/9/2010	15.46			29.53
MW-54C	44.99	7/12/2010	16.49			28.5
MW-54C	44.99	1/12/2011	16.46			28.53
MW-54C	44.99	7/11/2011	18.23			26.76
MW-54C	44.99	1/27/2012	17.42			27.57
MW-54C	44.99	7/10/2012	17.36			27.63
MW-54C	44.99	1/8/2013	17.81			27.18
MW-54C	44.99	7/23/2013	18.89			26.1
MW-54C	44.99	1/8/2014	18.14			26.85
MW-54C	44.99	7/16/2014	17.49			27.50
MW-54C	44.99	1/5/2015	17.86			27.13
MW-54C	44.99	8/10/2015	16.02			28.97
MW-54C	44.99	1/13/2016	15.33			29.66
MW-54C	44.99	7/6/2016	15.66			29.33
MW-54C	44.99	1/12/2017	16.17			28.82
MW-54C	44.99	7/5/2017	16.61			28.38
MW-54C	44.99	9/6/2017	16.59			28.40

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-54C	44.99	2/11/2018	15.4			29.59
MW-54C	44.99	3/11/2018	15.68			29.31
MW-54C	44.99	5/14/2018	16.31			28.68
MW-54C	44.99	1/4/2019	15.71			29.28
MW-54C	44.99	7/9/2019	15.27			29.72
MW-54C	44.99	1/7/2020	15.59			29.4
MW-54C	44.99	7/7/2020	16.38			28.61
MW-54C	44.99	1/4/2021	15.71			29.28
MW-54C	44.99	7/8/2021	14.38			30.61
MW-54C	44.99	1/4/2022	15.51			29.48
MW-54C	44.99	7/6/2022	17.61			27.38
MW-54C	44.99	1/4/2023	15.96			29.03
MW-54C	44.99	7/6/2023	16.96			28.03
MW-54C	44.99	1/3/2024	16.92			28.07
MW-54C	44.99	7/22/2024	15.02			29.97
MW-55A	52.01	2/4/2009	13.79			38.22
MW-55A	52.01	7/23/2009	14.06			37.95
MW-55A	52.01	1/9/2010	10.83			41.18
MW-55A	52.01	7/12/2010	12.72			39.29
MW-55A	52.01	1/12/2011	10.13			41.88
MW-55A	52.01	7/12/2011	15.18			36.83
MW-55A	52.01	1/26/2012	11.71			40.3
MW-55A	52.01	7/9/2012	12.29			39.72
MW-55A	52.01	1/7/2013	13.34			38.67
MW-55A	52.01	7/22/2013	14.19			37.82
MW-55A	52.01	1/7/2014	12.73			39.28
MW-55A	52.01	7/15/2014	11.30			40.71
MW-55A	52.01	1/5/2015	12.51			39.50
MW-55A	52.01	8/10/2015	10.79			41.22
MW-55B	52.04	1/26/2012	13.28			38.76
MW-55B	52.04	7/9/2012	13.93			38.11
MW-55B	52.04	1/7/2013	13.73			38.31
MW-55B	52.04	7/22/2013	14.59			37.45
MW-55B	52.04	1/7/2014	12.89			39.15
MW-55B	52.04	7/15/2014	12.49			39.55
MW-55B	52.04	1/5/2015	12.41			39.63
MW-55B	52.04	8/10/2015	10.19			41.85
MW-57A	47.72	2/5/2009	12.73			34.99
MW-57A	47.72	7/23/2009	12.91			34.81
MW-57A	47.72	1/9/2010	9.78			37.94
MW-57A	47.72	7/12/2010	8.56	24.55	2.55	39.16
MW-57A	47.72	1/12/2011	9.83	22.76	4.14	37.89
MW-57A	47.72	7/12/2011	13.88	22.79	4.11	33.84
MW-57A	47.72	1/26/2012	10.54	22.78	4.12	37.18
MW-57A	47.72	7/9/2012	9.72	22.65	4.25	38
MW-57A	47.72	1/7/2013	10.61	22.14	4.76	37.11
MW-57A	47.72	7/22/2013	13.21	23.05	3.85	34.51
MW-57A	47.72	1/7/2014	11.79	26.15	0.75	35.93
MW-57A	47.72	7/15/2014	10.42	26.09	0.81	37.30
MW-57A	47.72	1/5/2015	10.13	26.75	0.15	37.59
MW-57A	47.72	8/10/2015	7.46			40.26
MW-57A	47.72	7/6/2016	7.39			40.33
MW-57A	47.72	1/12/2017	8.07			39.65
MW-57A	47.72	7/6/2017	8.41			39.31
MW-57A	47.72	9/6/2017	8.46			39.26
MW-57A	50.89	2/7/2018	8.98			41.91
MW-57A	50.89	3/11/2018	9.24			41.65
MW-57A	50.89	5/14/2018	9.67			41.22
MW-57A	50.89	1/4/2019	9.52			41.37
MW-57A	50.89	7/9/2019	10.11			40.78
MW-57A	50.89	1/8/2020	14.46			36.43
MW-57A	50.89	7/7/2020	13.18			37.71
MW-57A	50.89	1/6/2021	12.51			38.38
MW-57A	50.89	7/13/2021	9.81			41.08
MW-57A	50.89	1/4/2022	13.41			37.48
MW-57A	50.89	7/6/2022	13.88			37.01
MW-57A	50.89	1/4/2023	13.12			37.77
MW-57A	50.89	7/6/2023	13.54			37.35
MW-57A	50.89	1/3/2024	13.87			37.02
MW-57A	50.89	7/22/2024	11.40			39.49
MW-57B	50.90	1/26/2012	28.83	42.51	0.44	22.07
MW-57B	50.90	7/9/2012	27.93	42.45	0.50	22.97
MW-57B	50.90	1/7/2013	28.63	41.36	1.59	22.27

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-57B	50.90	7/22/2013	16.34	41.67	1.28	34.56
MW-57B	50.90	1/7/2014	15.04			35.86
MW-57B	50.90	7/15/2014	15.71			35.19
MW-57B	50.90	1/5/2015	14.32			36.58
MW-57B	50.90	8/10/2015	12.42			38.48
MW-57B	50.90	7/6/2016	12.44			38.46
MW-57B	50.90	1/12/2017	13.24			37.66
MW-57B	50.90	7/6/2017	13.57			37.33
MW-57B	50.90	9/6/2017	13.79			37.11
MW-57B	50.90	2/7/2018	12.42			38.48
MW-57B	50.90	3/11/2018	12.62			38.28
MW-57B	50.90	5/14/2018	13.29			37.61
MW-57B	50.90	1/4/2019	13.03			37.87
MW-57B	50.90	7/9/2019	13.71			37.19
MW-57B	50.90	1/8/2020	13.73			37.17
MW-57B	50.90	7/7/2020	14.61			36.29
MW-57B	50.90	1/6/2021	13.25			37.65
MW-57B	50.90	7/13/2021	13.81			37.09
MW-57B	50.90	1/4/2022	13.46			37.44
MW-57B	50.90	7/6/2022	15.06			35.84
MW-57B	50.90	1/4/2023	13.74			37.16
MW-57B	50.90	7/6/2023	13.77			37.13
MW-57B	50.90	1/3/2024	14.39	Trace	Trace	36.51
MW-57B	50.90	7/22/2024	13.89	Trace	Trace	37.01
MW-58A	47.76	2/5/2009	14.55			33.21
MW-58A	47.76	7/23/2009	14.04			33.72
MW-58A	47.76	1/9/2010	12.29			35.47
MW-58A	47.76	7/12/2010	14.03			33.73
MW-58A	47.76	1/12/2011	11.88			35.88
MW-58A	47.76	7/12/2011	16.16			31.6
MW-58A	47.76	1/26/2012	12.26			35.5
MW-58A	47.76	7/9/2012	11.62			36.14
MW-58A	47.76	1/7/2013	11.91			35.85
MW-58A	47.76	7/22/2013	13.71			34.05
MW-58A	47.76	1/7/2014	13.26			34.5
MW-58A	47.76	7/15/2014	13.06			34.70
MW-58A	47.76	1/5/2015	13.06			34.70
MW-58A	47.76	8/10/2015	11.29			36.47
MW-58A	47.76	7/6/2016	7.46			40.30
MW-58A	47.76	1/12/2017	8.04			39.72
MW-58A	47.76	7/6/2017	8.39			39.37
MW-58A	47.76	9/6/2017	8.33			39.43
MW-58A	47.76	2/11/2018	6.47			41.29
MW-58A	47.76	3/11/2018	12.71			35.05
MW-58A	47.76	5/14/2018	12.94			34.82
MW-58A	47.76	1/4/2019	12.29			35.47
MW-58A	47.76	7/9/2019	12.29			35.47
MW-58A	47.76	1/7/2020	13.17			34.59
MW-58A	47.76	7/7/2020	11.21			36.55
MW-58A	47.76	1/6/2021	11.88			35.88
MW-58A	47.76	7/13/2021	7.84			39.92
MW-58A	47.76	1/4/2022	12.61			35.15
MW-58A	47.76	7/6/2022	12.08			35.68
MW-58A	47.76	1/4/2023	12.19			35.57
MW-58A	47.76	7/6/2023	12.34			35.42
MW-58A	47.76	1/3/2024	13.39			34.37
MW-58A	47.76	7/22/2024	10.62			37.14
MW-59A	44.18	2/5/2009	10.71			33.47
MW-59A	44.18	7/23/2009	9.96			34.22
MW-59A	44.18	1/9/2010	8.62			35.56
MW-59A	44.18	7/12/2010	9.97			34.21
MW-59A	44.18	1/12/2011	8.06			36.12
MW-59A	44.18	7/11/2011	10.54			33.64
MW-59A	44.18	1/26/2012	6.36			37.82
MW-59A	44.18	7/9/2012	7.63			36.55
MW-59A	44.18	1/8/2013	9.09			35.09
MW-59A	44.18	7/23/2013	9.76			34.42
MW-59A	44.18	1/8/2014	9.34			34.84
MW-59A	44.18	7/16/2014	9.17			35.01
MW-59A	44.18	1/5/2015	8.71			35.47
MW-59A	44.18	8/10/2015	5.76			38.42
MW-59A	44.18	1/13/2016	5.01			39.17
MW-59A	44.18	7/6/2016	5.26			38.92

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-59A	44.18	1/12/2017	5.81			38.37
MW-59A	44.18	7/5/2017	6.14			38.04
MW-59A	44.18	9/6/2017	6.09			38.09
MW-59A	44.18	2/11/2018	6.26			37.92
MW-59A	44.18	3/12/2018	9.13			35.05
MW-59A	44.18	5/14/2018	8.81			35.37
MW-59A	44.18	1/4/2019	8.12			36.06
MW-59A	44.18	7/9/2019	8.92			35.26
MW-59A	44.18	1/8/2020	9.21			34.97
MW-59A	44.18	7/8/2020	8.64			35.54
MW-59A	44.18	1/5/2021	7.72			36.46
MW-59A	44.18	7/8/2021	5.21			38.97
MW-59A	44.18	1/4/2022	8.92			35.26
MW-59A	44.18	7/6/2022	8.86			35.32
MW-59A	44.18	1/4/2023	6.97			37.21
MW-59A	44.18	7/6/2023	8.06			36.12
MW-59A	44.18	1/3/2024	7.29			36.89
MW-59A	44.18	7/22/2024	8.45			35.73
MW-59B	44.36	7/12/2010	7.43			36.93
MW-59B	44.36	1/12/2011	6.89			37.47
MW-59B	44.36	7/11/2011	11.03			33.33
MW-59B	44.36	1/26/2012	4.44			39.92
MW-59B	44.36	7/9/2012	7.48			36.88
MW-59B	44.36	1/8/2013	9.36			35
MW-59B	44.36	7/23/2013	9.94			34.42
MW-59B	44.36	1/8/2014	9.52			34.84
MW-59B	44.36	7/16/2014	8.67			35.69
MW-59B	44.36	1/5/2015	8.92			35.44
MW-59B	44.36	8/10/2015	5.91			38.45
MW-59B	44.36	1/13/2016	5.22			39.14
MW-59B	44.36	7/6/2016	5.39			38.97
MW-59B	44.36	1/12/2017	5.97			38.39
MW-59B	44.36	7/5/2017	6.27			38.09
MW-59B	44.36	9/6/2017	6.06			38.30
MW-59B	44.36	2/11/2018	7.59			36.77
MW-59B	44.36	3/12/2018	9.61			34.75
MW-59B	44.36	5/14/2018	9.09			35.27
MW-59B	44.36	1/4/2019	8.27			36.09
MW-59B	44.36	7/9/2019	9.06			35.3
MW-59B	44.36	1/8/2020	9.17			35.19
MW-59B	44.36	7/8/2020	8.51			35.85
MW-59B	44.36	1/5/2021	7.61			36.75
MW-59B	44.36	7/8/2021	6.1			38.26
MW-59B	44.36	1/4/2022	8.81			35.55
MW-59B	44.36	7/6/2022	8.72			35.64
MW-59B	44.36	1/4/2023	6.72			37.64
MW-59B	44.36	7/6/2023	7.91			36.45
MW-59B	44.36	1/3/2024	6.98			37.38
MW-59B	44.36	7/22/2024	7.76			36.6

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-59D	44.22	2/5/2009	84.17			-39.95
MW-59D	44.22	7/23/2009	83.53			-39.31
MW-59D	44.22	1/9/2010	81.73			-37.51
MW-59D	44.22	7/12/2010	82.16			-37.94
MW-59D	44.22	1/12/2011	82.83			-38.61
MW-59D	44.22	7/11/2011	82.89			-38.67
MW-59D	44.22	1/26/2012	82.93			-38.71
MW-59D	44.22	7/9/2012	82.36			-38.14
MW-59D	44.22	1/8/2013	82.81			-38.59
MW-59D	44.22	7/23/2013	83.04			-38.82
MW-59D	44.22	1/8/2014	83.14			-38.92
MW-59D	44.22	7/16/2014	82.67			-38.45
MW-59D	44.22	1/5/2015	82.07			-37.85
MW-59D	44.22	8/10/2015	81.77			-37.55
MW-59D	44.22	1/13/2016	81.03			-36.81
MW-59D	44.22	7/6/2016	81.62			-37.40
MW-59D	44.22	1/12/2017	82.09			-37.87
MW-59D	44.22	7/5/2017	82.17			-37.95
MW-59D	44.22	9/6/2017	82.16			-37.94
MW-59D	44.22	2/11/2018	81.09			-36.87
MW-59D	44.22	3/12/2018	81.17			-36.95
MW-59D	44.22	5/14/2018	81.79			-37.57
MW-59D	44.22	1/4/2019	81.02			-36.8
MW-59D	44.22	7/9/2019	81.31			-37.09
MW-59D	44.22	1/8/2020	83.06			-38.84
MW-59D	44.22	7/8/2020	79.56			-35.34
MW-59D	44.22	1/5/2021	79.65			-35.43
MW-59D	44.22	7/8/2021	79.21			-34.99
MW-59D	44.22	1/4/2022	79.74			-35.52
MW-59D	44.22	7/6/2022	80.66			-36.44
MW-59D	44.22	1/4/2023	81.46			-37.24
MW-59D	44.22	7/6/2023	82.16			-37.94
MW-59D	44.22	1/3/2024	81.56			-37.34
MW-59D	44.22	7/22/2024	NM			NM
MW-60A	46.79	2/4/2009	9.56			37.23
MW-60A	46.79	7/23/2009	9.71			37.08
MW-60A	46.79	1/9/2010	7.72			39.07
MW-60A	46.79	7/12/2010	8.61			38.18
MW-60A	46.79	1/12/2011	5.82			40.97
MW-60A	46.79	7/11/2011	9.86			36.93
MW-60A	46.79	1/26/2012	4.34			42.45
MW-60A	46.79	7/9/2012	5.42			41.37
MW-60A	46.79	1/8/2013	6.91			39.88
MW-60A	46.79	7/23/2013	10.42			36.37
MW-60A	46.79	1/8/2014	8.06			38.73
MW-60A	46.79	7/16/2014	7.29			39.50
MW-60A	46.79	1/5/2015	7.39			39.40
MW-60A	46.79	8/10/2015	6.32			40.47
MW-60A	46.79	1/13/2016	5.67			41.12
MW-60A	46.79	7/6/2016	6.13			40.66
MW-60A	46.79	1/12/2017	NM			
MW-60A	46.79	9/6/2017	NM			
MW-60A	46.79	2/11/2018	3.49			43.30
MW-60A	46.79	3/12/2018	3.71			43.08
MW-60A	46.79	5/14/2018	5.19			41.60
MW-60A	46.79	1/4/2019	4.33			42.46
MW-60A	46.79	7/9/2019	5.52			41.27
MW-60AR	47.09	3/20/2020	8.03			39.06
MW-60AR	47.09	6/1/2020	7.42			39.67
MW-60AR	47.09	7/8/2020	7.22			39.87
MW-60AR	47.09	1/5/2021	5.91			41.18
MW-60AR	47.09	7/12/2021	4.19			42.90
MW-60AR	47.09	1/4/2022	7.44			39.65
MW-60AR	47.09	7/6/2022	8.04			39.05
MW-60AR	47.09	1/4/2023	5.69			41.40
MW-60AR	47.09	7/6/2023	8.52			38.57
MW-60AR	47.09	1/3/2024	5.19			41.90
MW-60AR	47.09	7/22/2024	5.20			41.89
MW-60B	47.04	3/17/2020	24.91			22.13
MW-60B	47.04	6/1/2020	11.42			35.62
MW-60B	47.04	7/8/2020	12.3			34.74
MW-60B	47.04	1/6/2021	9.41			37.63
MW-60B	47.04	7/12/2021	3.24			43.8

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-60B	47.04	1/4/2022	8.51			38.53
MW-60B	47.04	7/6/2022	9.52			37.52
MW-60B	47.04	1/4/2023	5.37			41.67
MW-60B	47.04	7/6/2023	8.82			38.22
MW-60B	47.04	1/3/2024	10.26			36.78
MW-60B	47.04	7/22/2024	10.75			36.29
MW-61A	44.67	2/3/2009	8.35			36.32
MW-61A	44.67	7/23/2009	8.47			36.2
MW-61A	44.67	1/9/2010	6.49			38.18
MW-61A	44.67	7/12/2010	8.09			36.58
MW-61A	44.67	1/12/2011	6.56			38.11
MW-61A	44.67	7/11/2011	9.67			35
MW-61A	44.67	1/26/2012	2.48			42.19
MW-61A	44.67	7/9/2012	4.55			40.12
MW-61A	44.67	1/8/2013	6.72			37.95
MW-61A	44.67	7/23/2013	9.16			35.51
MW-61A	44.67	1/8/2014	7.04			37.63
MW-61A	44.67	7/16/2014	6.34			38.33
MW-61A	44.67	1/5/2015	6.52			38.15
MW-61A	44.67	8/10/2015	4.02			40.65
MW-61A	44.67	1/13/2016	3.34			41.33
MW-61A	44.67	7/6/2016	3.97			40.70
MW-61A	44.67	1/12/2017	4.34			40.33
MW-61A	44.67	7/5/2017	4.47			40.20
MW-61A	44.67	9/6/2017	4.39			40.28
MW-61A	44.67	2/11/2018	5.52			39.15
MW-61A	44.67	3/12/2018	6.62			38.05
MW-61A	44.67	5/14/2018	6.27			38.40
MW-61A	44.67	1/4/2019	5.58			39.09
MW-61A	44.67	7/9/2019	6.96			37.71
MW-61A	44.67	1/8/2020	4.87			39.8
MW-61A	44.67	7/8/2020	6.41			38.26
MW-61A	44.67	1/5/2021	4.75			39.92
MW-61A	44.67	7/8/2021	2.55			42.12
MW-61A	44.67	1/4/2022	6.13			38.54
MW-61A	44.67	7/6/2022	5.66			39.01
MW-61A	44.67	1/4/2023	5.71			38.96
MW-61A	44.67	7/6/2023	8.81			35.86
MW-61A	44.67	1/3/2024	8.09			36.58
MW-61A	44.67	7/22/2024	4.25			40.42
MW-61B	45.09	3/17/2020	8.31			36.78
MW-61B	45.09	6/1/2020	4.67			40.42
MW-61B	45.09	7/8/2020	5			40.09
MW-61B	45.09	1/5/2021	2.6			42.49
MW-61B	45.09	7/8/2021	0			45.09
MW-61B	45.09	1/4/2022	1.67			43.42
MW-61B	45.09	7/6/2022	3.64			41.45
MW-61B	45.09	1/4/2023	2.13			42.96
MW-61B	45.09	7/6/2023	5.34			39.75
MW-61B	45.09	1/3/2024	5.06			40.03
MW-61B	45.09	7/22/2024	4.60			40.49
MW-62B	48.16	2/4/2009	6.99			41.17
MW-62B	48.16	7/24/2009	7.39			40.77
MW-62B	48.16	1/8/2010	5.13			43.03
MW-62B	48.16	7/12/2010	5.79			42.37
MW-62B	48.16	1/12/2011	4.21			43.95
MW-62B	48.16	7/12/2011	11.06			37.1
MW-62B	48.16	1/26/2012	3.18			44.98
MW-62B	48.16	7/9/2012	4.87			43.29
MW-62B	48.16	1/8/2013	5.92			42.24
MW-62B	48.16	7/23/2013	7.01			41.15
MW-62B	48.16	1/8/2014	6.52			41.64
MW-62B	48.16	7/15/2014	6.06			42.10
MW-62B	48.16	1/5/2015	6.02			42.14
MW-62B	48.16	8/10/2015	4.16			44.00
MW-62B	48.16	1/13/2016	3.64			44.52
MW-62B	48.16	7/6/2016	4.09			44.07
MW-62B	48.16	1/12/2017	4.71			43.45
MW-62B	48.16	7/6/2017	5.09			43.07
MW-62B	48.16	9/6/2017	4.71			43.45
MW-62B	48.16	2/11/2018	4.12			44.04
MW-62B	48.16	3/11/2018	5.37			42.79
MW-62B	48.16	5/14/2018	6.81			41.35

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-62B	48.16	7/2/2018	6.92			41.24
MW-62B	48.16	1/4/2019	6.03			42.13
MW-62B	48.16	7/9/2019	4.34			43.82
MW-62B	48.16	1/8/2020	3.09			45.07
MW-62B	48.16	7/8/2020	6.09			42.07
MW-62B	48.16	1/6/2021	3.11			45.05
MW-62B	48.16	7/8/2021	5.49			42.67
MW-62B	48.16	1/4/2022	4.71			43.45
MW-62B	48.16	7/6/2022	7.58			40.58
MW-62B	48.16	1/4/2023	2.77			45.39
MW-62B	48.16	7/6/2023	4.46			43.7
MW-62B	48.16	1/3/2024	5.93			42.23
MW-62B	48.16	7/22/2024	3.18			44.98
MW-63B	44.48	2/5/2009	31.54			12.94
MW-63B	44.48	7/23/2009	9.52			34.96
MW-63B	44.48	1/9/2010	1.34			43.14
MW-63B	44.48	7/12/2010	5.71			38.77
MW-63B	44.48	1/13/2011	7.13			37.35
MW-63B	44.48	7/11/2011	4.21			40.27
MW-63B	44.48	1/27/2012	2.96			41.52
MW-63B	44.48	7/10/2012	1.32			43.16
MW-63B	44.48	1/8/2013	8.54			35.94
MW-63B	44.48	7/23/2013	9.43			35.05
MW-63B	44.48	1/8/2014	7.72			36.76
MW-63B	44.48	7/16/2014	7.03			37.45
MW-63B	44.48	1/5/2015	7.09			37.39
MW-63B	44.48	8/10/2015	5.34			39.14
MW-63B	44.48	1/13/2016	4.69			39.79
MW-63B	44.48	7/6/2016	5.01			39.47
MW-63B	44.48	1/12/2017	5.84			38.64
MW-63B	44.48	7/5/2017	6.19			38.29
MW-63B	44.48	9/6/2017	6.12			38.36
MW-63B	44.48	2/11/2018	5.31			39.17
MW-63B	44.48	3/11/2018	6.39			38.09
MW-63B	44.48	5/14/2018	7.19			37.29
MW-63B	44.48	1/4/2019	6.47			38.01
MW-63B	44.48	7/9/2019	3.96			40.52
MW-63B	44.48	1/7/2020	4.34			40.14
MW-63B	44.48	7/7/2020	6.63			37.85
MW-63B	44.48	1/4/2021	1.51			42.97
MW-63B	44.48	7/6/2021	4.71			39.77
MW-63B	44.48	1/4/2022	4.87			39.61
MW-63B	44.48	7/6/2022	7.04			37.44
MW-63B	44.48	1/4/2023	5.37			39.11
MW-63B	44.48	7/6/2023	5.77			38.71
MW-63B	44.48	1/3/2024	6.51			37.97
MW-63B	44.48	7/22/2024	4.95			39.53
MW-64A	48.31	2/4/2009	9.02			39.29
MW-64A	48.31	7/24/2009	9.13			39.18
MW-64A	48.31	1/9/2010	6.52			41.79
MW-64A	48.31	7/12/2010	6.82			41.49
MW-64A	48.31	1/12/2011	4.77			43.54
MW-64A	48.31	7/12/2011	8.17			40.14
MW-64A	48.31	1/26/2012	4.81			43.5
MW-64A	48.31	7/9/2012	5.93			42.38
MW-64A	48.31	1/7/2013	7.03			41.28
MW-64A	48.31	7/22/2013	8.79			39.52
MW-64A	48.31	1/7/2014	8.39			39.92
MW-64A	48.31	7/15/2014	7.72			40.59
MW-64A	48.31	1/5/2015	7.79			40.52
MW-64A	48.31	8/10/2015	5.71			42.60
MW-64A	48.31	1/13/2016	5.06			43.25
MW-64A	48.31	7/6/2016	5.67			42.64
MW-64A	48.31	1/12/2017	6.07			42.24
MW-64A	48.31	7/6/2017	6.27			42.04
MW-64A	48.31	9/6/2017	6.16			42.15
MW-64A	48.31	2/11/2018	5.46			42.85
MW-64A	48.31	3/12/2018	5.83			42.48
MW-64A	48.31	5/14/2018	6.39			41.92
MW-64A	48.31	1/4/2019	5.39			42.92
MW-64A	48.31	7/9/2019	5.09			43.22
MW-64A	48.31	1/8/2020	4.91			43.4
MW-64A	48.31	7/8/2020	8.04			40.27

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-64A	48.31	2/2/2021	6.51			41.8
MW-64A	48.31	7/28/2021	6.46			41.85
MW-64A	48.31	1/4/2022	6.29			42.02
MW-64A	48.31	7/6/2022	7.39			40.92
MW-64A	48.31	1/4/2023	4.16			44.15
MW-64A	48.31	7/6/2023	6.29			42.02
MW-64A	48.31	1/3/2024	5.67			42.64
MW-64A	48.31	7/22/2024	3.84			44.47
MW-65D	44.55	2/5/2009	86.72			-42.17
MW-65D	44.55	7/23/2009	86.47			-41.92
MW-65D	44.55	1/9/2010	84.39			-39.84
MW-65D	44.55	7/12/2010	84.39			-39.84
MW-65D	44.55	1/12/2011	83.96			-39.41
MW-65D	44.55	7/11/2011	85.81			-41.26
MW-65D	44.55	1/27/2012	85.76			-41.21
MW-65D	44.55	1/8/2013	85.81			-41.26
MW-65D	44.55	7/23/2013	85.83			-41.28
MW-65D	44.55	1/8/2014	85.78			-41.23
MW-65D	44.55	7/16/2014	84.91			-40.36
MW-65D	44.55	1/5/2015	85.31			-40.76
MW-65D	44.55	8/10/2015	85.06			-40.51
MW-65D	44.55	1/13/2016	84.81			-40.26
MW-65D	44.55	7/6/2016	85.09			-40.54
MW-65D	44.55	1/12/2017	85.52			-40.97
MW-65D	44.55	7/5/2017	85.72			-41.17
MW-65D	44.55	9/6/2017	85.7			-41.15
MW-65D	44.55	2/11/2018	83.42			-38.87
MW-65D	44.55	3/12/2018	83.28			-38.73
MW-65D	44.55	5/14/2018	83.74			-39.19
MW-65D	44.55	1/4/2019	83.03			-38.48
MW-65D	44.55	7/9/2019	82.71			-38.16
MW-65D	44.55	1/8/2020	83.29			-38.74
MW-65D	44.55	7/7/2020	82.49			-37.94
MW-65D	44.55	1/4/2021	82.41			-37.86
MW-65D	44.55	7/28/2021	82.05			-37.5
MW-65D	44.55	1/4/2022	83.06			-38.51
MW-65D	44.55	7/6/2022	83.27			-38.72
MW-65D	44.55	1/4/2023	84.21			-39.66
MW-65D	44.55	7/6/2023	85.01			-40.46
MW-65D	44.55	1/3/2024	84.31			-39.76
MW-65D	44.55	7/22/2024	NM			NM
MW-66D	46.51	2/5/2009	86.18			-39.67
MW-66D	46.51	7/23/2009	85.82			-39.31
MW-66D	46.51	1/9/2010	84.02			-37.51
MW-66D	46.51	7/12/2010	84.86			-38.35
MW-66D	46.51	1/12/2011	NM			
MW-66D	46.51	7/11/2011	84.93			-38.42
MW-66D	46.51	1/26/2012	84.88			-38.37
MW-66D	46.51	7/9/2012	85.02			-38.51
MW-66D	46.51	1/8/2013	86.09			-39.58
MW-66D	46.51	7/23/2013	86.42			-39.91
MW-66D	46.51	1/8/2014	86.09			-39.58
MW-66D	46.51	7/16/2014	85.26			-38.75
MW-66D	46.51	1/5/2015	85.42			-38.91
MW-66D	46.51	8/10/2015	85.21			-38.70
MW-66D	46.51	1/13/2016	84.71			-38.20
MW-66D	46.51	7/6/2016	84.86			-38.35
MW-66D	46.51	1/12/2017	85.26			-38.75
MW-66D	46.51	7/5/2017	85.66			-39.15
MW-66D	46.51	9/6/2017	85.67			-39.16
MW-66D	46.51	2/11/2018	83.28			-36.77
MW-66D	46.51	3/12/2018	83.37			-36.86
MW-66D	46.51	5/14/2018	84.06			-37.55
MW-66D	46.51	1/4/2019	83.36			-36.85
MW-66D	46.51	7/9/2019	82.99			-36.48
MW-66D	46.51	1/8/2020	81.26			-34.75
MW-66D	46.51	7/8/2020	81.62			-35.11
MW-66D	46.51	1/5/2021	81.65			-35.14
MW-66D	46.51	7/22/2021	81.62			-35.11
MW-66D	46.51	1/4/2022	82.17			-35.66
MW-66D	46.51	7/6/2022	82.79			-36.28
MW-66D	46.51	1/4/2023	83.28			-36.77
MW-66D	46.51	7/6/2023	84.09			-37.58

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-66D	46.51	1/3/2024	83.96			-37.45
MW-66D	46.51	9/4/2024	81.2			-34.69
MW-67B	43.93	7/12/2010	5.76			38.17
MW-67B	43.93	1/13/2011	10.62			33.31
MW-67B	43.93	7/11/2011	17.64			26.29
MW-67B	43.93	1/27/2012	9.87			34.06
MW-67B	43.93	7/10/2012	11.19			32.74
MW-67B	43.93	1/8/2013	11.72			32.21
MW-67B	43.93	7/23/2013	10.69			33.24
MW-67B	43.93	1/8/2014	10.64			33.29
MW-67B	43.93	7/16/2014	11.22			32.71
MW-67B	43.93	1/5/2015	10.22			33.71
MW-67B	43.93	1/13/2016	6.17			37.76
MW-67B	43.93	7/6/2016	6.39			37.54
MW-67B	43.93	1/12/2017	7.04			36.89
MW-67B	43.93	7/5/2017	7.14			36.79
MW-67B	43.93	9/6/2017	6.97			36.96
MW-67B	43.93	2/11/2018	8.89			35.04
MW-67B	43.93	3/12/2018	9.13			34.80
MW-67B	43.93	5/14/2018	10.16			33.77
MW-67B	43.93	1/4/2019	9.42			34.51
MW-67B	43.93	7/9/2019	9.09			34.84
MW-67B	43.93	1/7/2020	9.02			34.91
MW-67B	43.93	7/7/2020	9.31			34.62
MW-67B	43.93	1/4/2021	7.84			36.09
MW-67B	43.93	7/6/2021	3.55			40.38
MW-67B	43.93	1/4/2022	7.86			36.07
MW-67B	43.93	7/6/2022	11.02			32.91
MW-67B	43.93	1/4/2023	9.12			34.81
MW-67B	43.93	7/6/2023	9.56			34.37
MW-67B	43.93	1/3/2024	9.32			34.61
MW-67B	43.93	7/22/2024	8.06			35.87
MW-68A	43.24	5/29/2019	5.33			37.91
MW-68A	43.24	7/9/2019	5.01			38.23
MW-68A	43.24	1/7/2020	4.28			38.96
MW-68A	43.24	7/7/2020	4.73			38.51
MW-68A	43.24	1/4/2021	2.71			40.53
MW-68A	43.24	7/6/2021	0.91			42.33
MW-68A	43.24	1/5/2022	2.76			40.48
MW-68A	43.24	7/6/2022	6.71			36.53
MW-68A	43.24	1/4/2023	2.31			40.93
MW-68A	43.24	7/6/2023	6.33			22.75
MW-68A	43.24	1/3/2024	4.34			38.9
MW-68A	43.24	7/22/2024	2.68			40.56
MW-68B	44.63	1/27/2012	1.16			43.47
MW-68B	44.63	7/10/2012	3.82			40.81
MW-68B	44.63	1/8/2013	6.76			37.87
MW-68B	44.63	7/23/2013	10.33			34.3
MW-68B	44.63	1/8/2014	5.82			38.81
MW-68B	44.63	7/16/2014	7.41			37.22
MW-68B	44.63	1/5/2015	4.32			40.31
MW-68B	44.63	8/10/2015	3.56			41.07
MW-68B	44.63	1/13/2016	2.86			41.77
MW-68B	44.63	7/6/2016	3.07			41.56
MW-68B	44.63	1/12/2017	3.86			40.77
MW-68B	44.63	7/5/2017	3.97			40.66
MW-68B	44.63	9/6/2017	3.84			40.79
MW-68B	44.63	2/11/2018	3.07			41.56
MW-68B	44.63	3/12/2018	4.24			40.39
MW-68B	44.63	5/14/2018	6.46			38.17
MW-68B	44.63	1/4/2019	5.82			38.81
MW-68B	44.63	7/9/2019	5.78			38.85
MW-68B	44.63	1/7/2020	4.82	34.21	3.24	39.81
MW-68B	44.63	7/7/2020	4.79	37.4	0.05	39.84
MW-68B	44.63	1/4/2021	2.71			41.92
MW-68B	44.63	7/6/2021	0.63			44
MW-68B	44.63	1/5/2022	3.92			40.71
MW-68B	44.63	7/6/2022	6.68			37.95
MW-68B	44.63	1/4/2023	1.63			43
MW-68B	44.63	7/6/2023	6.63			37.8
MW-68B	44.63	1/3/2024	4.03	Trace	Trace	40.6
MW-68B	44.63	7/22/2024	2.65			41.98
MW-68C	44.80	7/12/2010	16.52			28.28

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-68C	44.80	1/13/2011	16.92			27.88
MW-68C	44.80	7/11/2011	19.34			25.46
MW-68C	44.80	1/27/2012	17.66			27.14
MW-68C	44.80	7/10/2012	17.96			26.84
MW-68C	44.80	1/8/2013	19.39			25.41
MW-68C	44.80	7/23/2013	19.87			24.93
MW-68C	44.80	1/8/2014	19.29			25.51
MW-68C	44.80	7/16/2014	18.39			26.41
MW-68C	44.80	1/5/2015	18.71			26.09
MW-68C	44.80	8/10/2015	16.29			28.51
MW-68C	44.80	1/13/2016	15.74			29.06
MW-68C	44.80	7/6/2016	15.94			28.86
MW-68C	44.80	1/12/2017	16.54			28.26
MW-68C	44.80	7/5/2017	17.02			27.78
MW-68C	44.80	9/6/2017	17.01			27.79
MW-68C	44.80	2/11/2018	16.21			28.59
MW-68C	44.80	3/12/2018	16.88			27.92
MW-68C	44.80	5/14/2018	17.35			27.45
MW-68C	44.80	1/4/2019	16.74			28.06
MW-68C	44.80	7/9/2019	16.39			28.41
MW-68C	44.80	1/8/2020	16.54			28.26
MW-68C	44.80	7/7/2020	16.94			27.86
MW-68C	44.80	1/4/2021	16.69			28.11
MW-68C	44.80	7/6/2021	15.05			29.75
MW-68C	44.80	1/5/2022	15.96			28.84
MW-68C	44.80	7/6/2022	18.57			26.23
MW-68C	44.80	1/4/2023	17.72			27.08
MW-68C	44.80	7/6/2023	18.04			26.76
MW-68C	44.80	1/3/2024	17.88			26.92
MW-68C	44.80	7/22/2024	15.92			28.88
MW-69A	45.71	7/12/2010	11.81			33.9
MW-69A	45.71	1/12/2011	11.16			34.55
MW-69A	45.71	7/11/2011	NM			
MW-69A	45.71	1/26/2012	10.44			35.27
MW-69A	45.71	7/9/2012	4.21			41.5
MW-69A	45.71	1/8/2013	5.31			40.4
MW-69A	45.71	7/23/2013	7.34			38.37
MW-69A	45.71	1/8/2014	7.02			38.69
MW-69A	45.71	7/16/2014	6.34			39.37
MW-69A	45.71	1/5/2015	6.71			39.00
MW-69A	45.71	8/10/2015	3.61			42.10
MW-69A	45.71	1/13/2016	2.91			42.80
MW-69A	45.71	7/6/2016	3.79			41.92
MW-69A	45.71	1/12/2017	4.34			41.37
MW-69A	45.71	7/5/2017	4.59			41.12
MW-69A	45.71	9/6/2017	4.43			41.28
MW-69A	45.71	2/11/2018	11.21			34.50
MW-69A	45.71	3/11/2018	12.58			33.13
MW-69A	45.71	5/14/2018	11.34			34.37
MW-69A	45.71	1/4/2019	10.61			35.1
MW-69A	45.71	7/9/2019	9.71			36
MW-69A	45.71	7/8/2020	11.26			34.45
MW-69A	45.71	1/5/2021	11.22			34.49
MW-69A	45.71	7/8/2021	8.63			37.08
MW-69A	45.71	1/4/2022	11.23			34.48
MW-69A	45.71	7/6/2022	11.06			34.65
MW-69A	45.71	1/4/2023	10.04			35.67
MW-69A	45.71	7/6/2023	12.13			33.58
MW-69A	45.71	1/3/2024	11.71			34
MW-69A	45.71	7/22/2024	11.95			33.76
MW-70B	44.86	1/27/2012	6.51	34.26	1.21	38.35
MW-70B	44.86	7/10/2012	6.06	34.17	1.30	38.8
MW-70B	44.86	1/8/2013	6.67	34.02	1.68	38.19
MW-70B	44.86	7/23/2013	8.22	34.07	1.63	36.64
MW-70B	44.86	1/8/2014	7.89	35.51	0.14	36.97
MW-70B	44.86	7/16/2014	6.16	34.71	0.94	38.70
MW-70B	44.86	1/5/2015	7.07	35.26	0.39	37.79
MW-70B	44.86	8/10/2015	5.26	35.49	0.16	39.60
MW-70B	44.86	1/13/2016	4.96	35.39	0.26	39.90
MW-70B	44.86	7/6/2016	5.34	35.31	0.34	39.52
MW-70B	44.86	1/12/2017	6.17	35.09	0.56	38.69
MW-70B	44.86	7/5/2017	6.39	35.14	0.51	38.47
MW-70B	44.86	9/6/2017	6.56	35.34	0.31	38.30

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-70B	44.86	2/8/2018	6.42	35.31	0.34	38.44
MW-70B	44.86	3/12/2018	6.69	35.21	0.44	38.17
MW-70B	44.86	5/15/2018	7.52	35.39	0.26	37.34
MW-70B	44.86	1/4/2019	6.96	35.31	0.34	37.9
MW-70B	44.86	7/9/2019	6.57	35.01	0.64	38.29
MW-70B	44.86	7/7/2020	5.55	31.2	4.45	39.31
MW-70B	44.86	1/4/2021	5.04	34.28	1.37	39.82
MW-70B	44.86	7/6/2021	4.33	34.91	1.74	40.53
MW-70B	44.86	1/4/2022	5.51			39.35
MW-70B	44.86	7/6/2022	7.27			37.59
MW-70B	44.86	1/4/2023	5.29			39.57
MW-70B	44.86	7/6/2023	6.34	34.61	0.69	38.52
MW-70B	44.86	1/3/2024	5.87	Trace	Trace	38.99
MW-70B	44.86	7/22/2024	4.18			40.68
MW-70C	45.07	3/12/2020	16.04			29.03
MW-70C	45.07	7/7/2020	16.8			28.27
MW-70C	45.07	1/4/2021	15.84			29.23
MW-70C	45.07	7/6/2021	14.42			30.65
MW-70C	45.07	1/4/2022	15.17			29.9
MW-70C	45.07	7/6/2022	18.77			26.3
MW-70C	45.07	1/4/2023	17.84			27.23
MW-70C	45.07	7/6/2023	18.02			27.05
MW-70C	45.07	1/3/2024	17.81			27.26
MW-70C	45.07	7/22/2024	16.10			28.97
MW-71B	44.59	1/27/2012	7.08			37.51
MW-71B	44.59	7/10/2012	8.16			36.43
MW-71B	44.59	1/8/2013	4.09			40.5
MW-71B	44.59	7/23/2013	8.61			35.98
MW-71B	44.59	1/8/2014	16.36			28.23
MW-71B	44.59	7/16/2014	16.02			28.57
MW-71B	44.59	1/5/2015	15.83			28.76
MW-71B	44.59	8/10/2015	13.76			30.83
MW-71B	44.59	1/13/2016	13.09			31.50
MW-71B	44.59	7/6/2016	13.31			31.28
MW-71B	44.59	1/12/2017	13.94			30.65
MW-71B	44.59	7/5/2017	14.34			30.25
MW-71B	44.59	9/6/2017	14.21			30.38
MW-71B	44.59	1/25/2018	0.76			43.83
MW-71B	44.59	3/12/2018	1.61			42.98
MW-71B	44.59	5/14/2018	2.26			42.33
MW-71B	44.59	1/4/2019	1.58			43.01
MW-71B	44.59	7/9/2019	0.62			43.97
MW-71B	44.59	1/8/2020	1.12			43.47
MW-71B	44.59	7/7/2020	0.8			43.79
MW-71B	44.59	1/4/2021	0.24			44.35
MW-71B	44.59	7/8/2021	0.36			44.23
MW-71B	44.59	1/4/2022	2.16			42.43
MW-71B	44.59	7/6/2022	1.93			42.66
MW-71B	44.59	1/4/2023	0.29			44.3
MW-71B	44.59	7/6/2023	1.34			43.25
MW-71B	44.59	1/3/2024	0.36			44.23
MW-71B	44.59	7/22/2024	0.20			44.39
MW-72B	51.97	1/26/2012	38.76			13.21
MW-72B	51.97	7/9/2012	27.27			24.7
MW-72B	51.97	1/7/2013	20.08			31.89
MW-72B	51.97	7/22/2013	18.39			33.58
MW-72B	51.97	1/7/2014	17.31			34.66
MW-72B	51.97	7/15/2014	16.91			35.06
MW-72B	51.97	1/5/2015	16.74			35.23
MW-72B	51.97	8/10/2015	14.59			37.38
MW-72B	51.97	1/13/2016	13.93			38.04
MW-72B	51.97	7/6/2016	NM			
MW-72B	51.97	2/11/2018	12.26			39.71
MW-72B	51.97	3/12/2018	19.71			32.26
MW-72B	51.97	5/14/2018	20.92			31.05
MW-72B	51.97	1/4/2019	20.13			31.84
MW-72B	51.97	7/9/2019	15.28			36.69
MW-72B	51.97	1/8/2020	14.81			37.16
MW-72B	51.97	7/7/2020	17.01			34.96
MW-72B	51.97	1/6/2021	16.55			35.42
MW-72B	51.97	7/13/2021	17.42			34.55
MW-72B	51.97	1/4/2022	16.27			35.7
MW-72B	51.97	7/6/2022	16.47			35.5

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-72B	51.97	1/4/2023	26.39			25.58
MW-72B	51.97	7/6/2023	26.79			25.18
MW-72B	51.97	1/3/2024	17.36			34.61
MW-72B	51.97	7/22/2024	14.92			37.05
MW-73B	51.42	1/26/2012	25.48			25.94
MW-73B	51.42	7/9/2012	25.03			26.39
MW-73B	51.42	1/7/2013	26.11			25.31
MW-73B	51.42	7/22/2013	26.87			24.55
MW-73B	51.42	1/7/2014	26.19			25.23
MW-73B	51.42	7/15/2014	25.14			26.28
MW-73B	51.42	1/5/2015	25.81			25.61
MW-73B	51.42	8/10/2015	22.46			28.96
MW-73B			Plugged and Abandoned			
MW-74B	47.58	1/26/2012	7.63			39.95
MW-74B	47.58	7/9/2012	7.15			40.43
MW-74B	47.58	1/8/2013	9.62			37.96
MW-74B	47.58	7/23/2013	11.72			35.86
MW-74B	47.58	1/8/2014	9.59			37.99
MW-74B	47.58	7/16/2014	9.01			38.57
MW-74B	47.58	1/5/2015	9.07			38.51
MW-74B	47.58	8/10/2015	7.36			40.22
MW-74B	47.58	1/13/2016	6.86			40.72
MW-74B	47.58	7/6/2016	7.39			40.19
MW-74B	47.58	1/12/2017	7.84			39.74
MW-74B	47.58	7/5/2017	8.17			39.41
MW-74B	47.58	9/6/2017	8.02			39.56
MW-74B	47.58	2/11/2018	6.91			40.67
MW-74B	47.58	3/12/2018	7.22			40.36
MW-74B	47.58	5/15/2018	8.33			39.25
MW-74B	47.58	1/4/2019	7.62			39.96
MW-74B	47.58	7/9/2019	8.59			38.99
MW-74B	47.58	1/8/2020	8.29			39.29
MW-74B	47.58	7/8/2020	7.32			40.26
MW-74B	47.58	1/5/2021	7.08	33.7	1.30	40.5
MW-74B	47.58	7/12/2021	5.61	34.61	0.39	41.97
MW-74B	47.58	1/4/2022	7.81			39.77
MW-74B	47.58	7/6/2022	8.23			39.35
MW-74B	47.58	1/4/2023	7.63			39.95
MW-74B	47.58	7/6/2023	7.81			39.77
MW-74B	47.58	1/3/2024	7.51	Trace	Trace	40.07
MW-74B	47.58	7/22/2024	6.10	Trace	Trace	41.48
MW-75B	46.78	1/26/2012	9.07	35.26	1.84	37.71
MW-75B	46.78	7/9/2012	9.32	35.2	1.90	37.46
MW-75B	46.78	1/8/2013	10.16	34.13	2.97	36.62
MW-75B	46.78	7/23/2013	9.74	35.71	1.39	37.04
MW-75B	46.78	1/8/2014	10.13	36.72	0.43	36.65
MW-75B	46.78	7/16/2014	11.41	35.71	1.44	35.37
MW-75B	46.78	1/5/2015	11.33	36.79	0.36	35.45
MW-75B	46.78	8/10/2015	8.86	37.07	0.08	37.92
MW-75B	46.78	1/13/2016	7.81	36.84	0.31	38.97
MW-75B	46.78	7/6/2016	7.8	36.53	0.62	38.98
MW-75B	46.78	1/12/2017	8.04	36.36	0.79	38.74
MW-75B	46.78	7/5/2017	8.04	36.36	0.79	38.74
MW-75B	46.78	9/6/2017	8.22	36.47	3.15	38.56
MW-75B	46.78	2/8/2018	8.17	36.91	2.71	38.61
MW-75B	46.78	3/12/2018	8.37	36.94	2.68	38.41
MW-75B	46.78	5/15/2018	9.22	37.03	2.59	37.56
MW-75B	46.78	1/4/2019	9.28	36.96	2.66	37.5
MW-75B	46.78	7/9/2019	8.89			37.89
MW-75B	46.78	1/8/2020	8.52	33.52	3.73	38.26
MW-75B	46.78	7/8/2020	8.91			37.87
MW-75B	46.78	1/5/2021	7.44			39.34
MW-75B	46.78	7/12/2021	5.01			41.77
MW-75B	46.78	1/4/2022	NM			
MW-75B	46.78	7/6/2022	NM			
MW-75B	46.78	1/4/2023	NM			
MW-75B	46.78	7/6/2023	7.99			38.79
MW-75B	46.78	1/3/2024	7.39			39.39
MW-75B	46.78	7/22/2024	4.70			42.08
MW-76B	47.98	3/12/2020	5.40			42.58
MW-76B	47.98	5/26/2020	4.94			43.04
MW-76B	47.98	7/8/2020	6.09			41.89
MW-76B	47.98	1/5/2021	4.61			43.37

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-76B	47.98	7/27/2021	2.92			45.06
MW-76B	47.98	1/4/2022	4.81			43.17
MW-76B	47.98	7/6/2022	5.13			42.85
MW-76B	47.98	1/4/2023	4.93			43.05
MW-76B	47.98	7/6/2023	4.33			43.65
MW-76B	47.98	1/3/2024	5.56			42.42
MW-76B	47.98	7/2/2024	3.58			44.4
MW-76C	47.84	7/16/2014	22.68			25.16
MW-76C	47.84	1/5/2015	23.41			24.43
MW-76C	47.84	8/10/2015	21.19			26.65
MW-76C	47.84	1/13/2016	20.81			27.03
MW-76C	47.84	7/6/2016	21.09			26.75
MW-76C	47.84	1/12/2017	21.67			26.17
MW-76C	47.84	7/5/2017	21.99			25.85
MW-76C	47.84	9/6/2017	21.93			25.91
MW-76C	47.84	2/11/2018	20.74			27.10
MW-76C	47.84	3/12/2018	21.02			26.82
MW-76C	47.84	5/15/2018	21.46			26.38
MW-76C	47.84	1/4/2019	20.67			27.17
MW-76C	47.84	7/9/2019	20.18			27.66
MW-76C	47.84	1/7/2020	20.68			27.16
MW-76C	47.84	7/8/2020	19.81			28.03
MW-76C	47.84	1/5/2021	19.11			28.73
MW-76C	47.84	7/27/2021	17.81			30.03
MW-76C	47.84	1/4/2022	20.32			27.52
MW-76C	47.84	7/6/2022	22.54			25.3
MW-76C	47.84	1/4/2023	21.87			25.97
MW-76C	47.84	7/6/2023	22.26			25.58
MW-76C	47.84	1/3/2024	22.32			25.52
MW-76C	47.84	7/22/2024	19.82			28.02
MW-77A	49.05	7/16/2014	6.62			42.43
MW-77A	49.05	1/5/2015	6.27			42.78
MW-77A	49.05	8/10/2015	4.34			44.71
MW-77A	49.05	1/13/2016	3.96			45.09
MW-77A	49.05	7/6/2016	4.29			44.76
MW-77A	49.05	1/12/2017	4.73			44.32
MW-77A	49.05	7/5/2017	4.91			44.14
MW-77A	49.05	9/6/2017	4.78			44.27
MW-77A	49.05	2/11/2018	7.62			41.43
MW-77A	49.05	3/12/2018	8.09			40.96
MW-77A	49.05	5/15/2018	7.06			41.99
MW-77A	49.05	1/4/2019	6.34			42.71
MW-77A	49.05	7/9/2019	6.11			42.94
MW-77A	49.05	1/7/2020	6.81			42.24
MW-77A	49.05	7/8/2020	6.54			42.51
MW-77A	49.05	1/5/2021	5.02			44.03
MW-77A	49.05	7/27/2021	4.41			44.64
MW-77A	49.05	1/4/2022	6.22			42.83
MW-77A	49.05	7/6/2022	6.98			42.07
MW-77A	49.05	1/4/2023	7.07			41.98
MW-77A	49.05	7/6/2023	5.77			43.28
MW-77A	49.05	1/3/2024	6.81			42.24
MW-77A	49.05	9/4/2024	5.8			43.25
MW-78A	48.68	7/16/2014	8.02			40.66
MW-78A	48.68	1/5/2015	9.17	21.17	4.18	39.51
MW-78A	48.68	8/10/2015	7.34	23.71	1.64	41.34
MW-78A	48.68	1/13/2016	6.63	21.77	3.58	42.05
MW-78A	48.68	7/6/2016	6.71	21.97	3.38	41.97
MW-78A	48.68	1/12/2017	7.42	22.74	2.61	41.26
MW-78A	48.68	7/5/2017	7.79	23.59	1.76	40.89
MW-78A	48.68	9/6/2017	7.81	23.48	1.87	40.87
MW-78A	48.68	2/11/2018	8.29	23.97	1.38	40.39
MW-78A	48.68	3/12/2018	8.46	23.91	1.44	40.22
MW-78A	48.68	5/15/2018	9.28	24.07	1.28	39.4
MW-78A	48.68	1/4/2019	8.78	24.39	0.96	39.9
MW-78A	48.68	7/9/2019	9.17	24.67	0.68	39.51
MW-78A	48.68	1/8/2020	7.96	24.9	0.45	40.72
MW-78A	48.68	7/8/2020	8.41	19.7	5.65	40.27
MW-78A	48.68	1/5/2021	7.48	25.09	0.26	41.2
MW-78A	48.68	7/27/2021	6.22			42.46
MW-78A	48.68	1/4/2022	8.13			40.55
MW-78A	48.68	7/6/2022	9.14			39.54
MW-78A	48.68	1/4/2023	8.47			40.21

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-78A	48.68	7/6/2023	7.12			41.56
MW-78A	48.68	1/3/2024	7.73			40.95
MW-78A	48.68	7/22/2024	7.25			41.43
MW-79A	48.95	7/16/2014	7.26			41.69
MW-79A	48.95	1/5/2015	5.29			43.66
MW-79A	48.95	8/10/2015	3.71			45.24
MW-79A	48.95	1/13/2016	3.06			45.89
MW-79A	48.95	7/6/2016	3.76			45.19
MW-79A	48.95	1/12/2017	4.06			44.89
MW-79A	48.95	7/5/2017	4.31			44.64
MW-79A	48.95	9/6/2017	4.16			44.79
MW-79A	48.95	2/11/2018	10.82			38.13
MW-79A	48.95	3/12/2018	11.26			37.69
MW-79A	48.95	5/15/2018	9.46			39.49
MW-79A	48.95	1/4/2019	8.8			40.15
MW-79A	48.95	7/9/2019	9.68			39.27
MW-79A	48.95	1/8/2020	9.81			39.14
MW-79A	48.95	7/8/2020	8.99			39.96
MW-79A	48.95	1/5/2021	8.75			40.2
MW-79A	48.95	7/12/2021	7.51			41.44
MW-79A	48.95	1/4/2022	9.47			39.48
MW-79A	48.95	7/6/2022	9.58			39.37
MW-79A	48.95	1/4/2023	9.34			39.61
MW-79A	48.95	7/6/2023	8.23			40.72
MW-79A	48.95	1/3/2024	7.61			41.34
MW-79A	48.95	7/22/2024	7.40			41.55
MW-80B	47.11	7/16/2014	5.29			41.82
MW-80B	47.11	1/5/2015	6.17			40.94
MW-80B	47.11	8/10/2015	4.33			42.78
MW-80B	47.11	1/13/2016	3.96			43.15
MW-80B	47.11	7/6/2016	4.56			42.55
MW-80B	47.11	1/12/2017	5.06			42.05
MW-80B	47.11	7/5/2017	5.34			41.77
MW-80B	47.11	9/6/2017	5.26			41.85
MW-80B	47.11	2/11/2018	11.34			35.77
MW-80B	47.11	3/11/2018	11.77			35.34
MW-80B	47.11	5/15/2018	11.36			35.75
MW-80B	47.11	1/4/2019	10.71			36.4
MW-80B	47.11	7/9/2019	11.02			36.09
MW-80B	47.11	1/7/2020	10.87			36.24
MW-80B	47.11	7/8/2020	10.25			36.86
MW-80B	47.11	1/5/2021	9.05			38.06
MW-80B	47.11	7/12/2021	7.27			39.84
MW-80B	47.11	1/4/2022	10.81			36.3
MW-80B	47.11	7/6/2022	10.33			36.78
MW-80B	47.11	1/4/2023	9.98			37.13
MW-80B	47.11	7/6/2023	7.63			39.48
MW-80B	47.11	1/3/2024	10.18			36.93
MW-80B	47.11	9/4/2024	8.77			38.34
MW-81B	46.77	7/16/2014	6.47			40.30
MW-81B	46.77	1/5/2015	7.06			39.71
MW-81B	46.77	8/10/2015	5.22			41.55
MW-81B	46.77	1/13/2016	4.77			42.00
MW-81B	46.77	7/6/2016	5.16			41.61
MW-81B	46.77	1/12/2017	5.72			41.05
MW-81B	46.77	7/5/2017	5.96			40.81
MW-81B	46.77	9/6/2017	5.71			41.06
MW-81B	46.77	2/11/2018	7.04			39.73
MW-81B	46.77	3/11/2018	7.51			39.26
MW-81B	46.77	5/15/2018	8.23			38.54
MW-81B	46.77	1/4/2019	7.67			39.1
MW-81B	46.77	7/9/2019	7.91			38.86
MW-81B	46.77	1/7/2020	7.12			39.65
MW-81B	46.77	7/8/2020	6.31			40.46
MW-81B	46.77	1/5/2021	NM			
MW-81B	46.77	7/12/2021	NM			
MW-81B	46.77	1/4/2022	3.22			43.55
MW-81B	46.77	7/6/2022	6.53			40.24
MW-81B	46.77	1/4/2023	1.97			44.8
MW-81B	46.77	7/6/2023	3.94			42.83
MW-81B	46.77	1/3/2024	5.83			40.94
MW-81B	46.77	7/22/2024	1.99			44.78
MW-82B	44.64	2/11/2018	2.53			42.11

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-82B	44.64	3/11/2018	3.44			41.20
MW-82B	44.64	5/14/2018	5.61			39.03
MW-82B	44.64	1/4/2019	4.83			39.81
MW-82B	44.64	7/9/2019	4.03			40.61
MW-82B	44.64	1/8/2020	2.67			41.97
MW-82B	44.64	7/7/2020	3.55			41.09
MW-82B	44.64	1/4/2021	1.75			42.89
MW-82B	44.64	7/6/2021	0.73			43.91
MW-82B	44.64	1/21/2022	2.98			41.66
MW-82B	44.64	7/6/2022	NM			
MW-82B	44.64	1/4/2023	2.37			42.27
MW-82B	44.64	7/6/2023	4.64			40.00
MW-82B	44.64	1/3/2024	2.39			42.25
MW-82B	44.64	7/22/2024	2.31			42.33
MW-83B	45.33	2/11/2018	4.06			41.27
MW-83B	45.33	3/11/2018	4.69			40.64
MW-83B	45.33	5/14/2018	7.47			37.86
MW-83B	45.33	7/19/2018	5.87			39.46
MW-83B	45.33	1/4/2019	6.82			38.51
MW-83B	45.33	7/9/2019	6.11			39.22
MW-83B	45.33	1/8/2020	5.33			40
MW-83B	45.33	7/7/2020	5.04			40.29
MW-83B	45.33	1/4/2021	2.99			42.34
MW-83B	45.33	7/6/2021	1.63			43.7
MW-83B	45.33	1/4/2022	4.42			40.91
MW-83B	45.33	7/6/2022	7.42			37.91
MW-83B	45.33	1/4/2023	3.04			42.29
MW-83B	45.33	7/6/2023	7.51			37.82
MW-83B	45.33	1/3/2024	4.83			40.5
MW-83B	45.33	7/22/2024	3.25			42.08
MW-83C	45.42	2/11/2018	17.52			27.90
MW-83C	45.42	3/11/2018	16.96			28.46
MW-83C	45.42	5/14/2018	18.11			27.31
MW-83C	45.42	1/4/2019	17.42			28.00
MW-83C	45.42	7/9/2019	17.17			28.25
MW-83C	45.42	1/8/2020	17.74			27.68
MW-83C	45.42	7/7/2020	15.58			29.84
MW-83C	45.42	1/4/2021	16.95			28.47
MW-83C	45.42	7/6/2021	15.04			30.38
MW-83C	45.42	1/4/2022	15.22			30.2
MW-83C	45.42	7/6/2022	18.51			26.91
MW-83C	45.42	1/4/2023	18.47			26.95
MW-83C	45.42	7/6/2023	18.84			26.58
MW-83C	45.42	1/3/2024	18.57			26.85
MW-83C	45.42	7/22/2024	16.70			28.72
MW-84A	44.67	3/12/2020	4.19			40.48
MW-84A	44.67	5/21/2020	5.83			38.84
MW-84A	44.67	7/7/2020	4.71			39.96
MW-84A	44.67	1/4/2021	4.06			40.61
MW-84A	44.67	7/6/2021	0.61			44.06
MW-84A	44.67	1/5/2022	4.11			40.56
MW-84A	44.67	7/6/2022	6.92			37.75
MW-84A	44.67	1/4/2023	2.86			41.81
MW-84A	44.67	7/6/2023	7.53			37.14
MW-84A	44.67	1/3/2024	4.43			40.24
MW-84A	44.67	7/22/2024	2.60			42.07
MW-84B	44.50	2/11/2018	4.37			40.13
MW-84B	44.50	3/11/2018	4.93			39.57
MW-84B	44.50	5/14/2018	7.36			37.14
MW-84B	44.50	7/19/2018	6.07			38.43
MW-84B	44.50	1/4/2019	6.71			37.79
MW-84B	44.50	7/9/2019	7.09			37.41
MW-84B	44.50	1/7/2020	4.38			40.12
MW-84B	44.50	7/7/2020	5.23			39.27
MW-84B	44.50	1/4/2021	3.19			41.31
MW-84B	44.50	7/6/2021	2.35			42.15
MW-84B	44.50	1/5/2022	4.64			39.86
MW-84B	44.50	7/6/2022	8.07			36.43
MW-84B	44.50	1/4/2023	4.06			40.44
MW-84B	44.50	7/6/2023	7.57			36.93
MW-84B	44.50	1/3/2024	5.06			39.44
MW-84B	44.50	7/22/2024	3.11			41.39
MW-85C	49.10	2/11/2018	22.51			26.59

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-85C	49.10	3/11/2018	22.77			26.33
MW-85C	49.10	5/15/2018	22.61			26.49
MW-85C	49.10	1/4/2019	21.92			27.18
MW-85C	49.10	7/9/2019	21.78			27.32
MW-85C	49.10	1/7/2020	22.70			26.4
MW-85C	49.10	7/8/2020	22.31			26.79
MW-85C	49.10	1/5/2021	21.5			27.60
MW-85C	49.10	7/12/2021	17.61			31.49
MW-85C	49.10	1/4/2022	21.61			27.49
MW-85C	49.10	7/6/2022	23.87			25.23
MW-85C	49.10	1/4/2023	23.02			26.08
MW-85C	49.10	7/6/2023	22.91			26.19
MW-85C	49.10	1/3/2024	22.61			26.49
MW-85C	49.10	9/4/2024	21.9			27.2
MW-86C	46.61	2/11/2018	20.14			26.47
MW-86C	46.61	3/11/2018	19.91			26.70
MW-86C	46.61	5/15/2018	20.26			26.35
MW-86C	46.61	1/4/2019	19.51			27.10
MW-86C	46.61	7/9/2019	19.73			26.88
MW-86C	46.61	1/8/2020	21.09			25.52
MW-86C	46.61	7/8/2020	19.79			26.82
MW-86C	46.61	1/5/2021	19.1			27.51
MW-86C	46.61	7/27/2021	17.08			29.53
MW-86C	46.61	1/4/2022	19.33			27.28
MW-86C	46.61	7/6/2022	21.37			25.24
MW-86C	46.61	1/4/2023	20.78			25.83
MW-86C	46.61	7/6/2023	20.96			25.65
MW-86C	46.61	1/3/2024	19.67			26.94
MW-86C	46.61	7/22/2024	18.70			27.91
MW-87C	44.26	2/11/2018	15.86			28.40
MW-87C	44.26	3/11/2018	16.29			27.97
MW-87C	44.26	5/14/2018	16.26			28.00
MW-87C	44.26	1/4/2019	15.52			28.74
MW-87C	44.26	7/9/2019	15.83			28.43
MW-87C	44.26	1/8/2020	15.79			28.47
MW-87C	44.26	7/7/2020	16			28.26
MW-87C	44.26	1/4/2021	15.28			28.98
MW-87C	44.26	7/8/2021	13.99			30.27
MW-87C	44.26	1/4/2022	15.41			28.85
MW-87C	44.26	7/6/2022	17.52			26.74
MW-87C	44.26	1/4/2023	16.17			28.09
MW-87C	44.26	7/6/2023	16.87			27.39
MW-87C	44.26	1/3/2024	16.92			27.34
MW-87C	44.26	7/22/2024	NM			NM
MW-88A	51.49	3/17/2020	8.00			43.49
MW-88A	51.49	5/20/2020	8.59			42.9
MW-88A	51.49	7/8/2020	7.39			44.10
MW-88A	51.49	1/6/2021	6.49			45.00
MW-88A	51.49	7/6/2021	5.26			46.23
MW-88A	51.49	1/4/2022	7.34			44.15
MW-88A	51.49	7/6/2022	8.57			42.92
MW-88A	51.49	1/4/2023	6.58			44.91
MW-88A	51.49	7/6/2023	7.93			43.56
MW-88A	51.49	1/3/2024	7.24			44.25
MW-88A	51.49	7/22/2024	6.21			45.28
MW-88B	51.57	3/17/2020	7.82			43.75
MW-88B	51.57	5/20/2020	8.55			43.02
MW-88B	51.57	7/8/2020	7.46			44.11
MW-88B	51.57	1/6/2021	6.5			45.07
MW-88B	51.57	7/6/2021	5.44			46.13
MW-88B	51.57	1/4/2022	7.52			44.05
MW-88B	51.57	7/6/2022	8.73			42.84
MW-88B	51.57	1/4/2023	6.77			44.8
MW-88B	51.57	7/6/2023	8.06			43.51
MW-88B	51.57	1/3/2024	7.24			44.33
MW-88B	51.57	7/22/2024	6.30			45.27
MW-88C	51.17	2/11/2018	24.7			26.47
MW-88C	51.17	3/11/2018	23.93			27.24
MW-88C	51.17	5/14/2018	24.67			26.50
MW-88C	51.17	1/4/2019	24.01			27.16
MW-88C	51.17	7/9/2019	24.13			27.04
MW-88C	51.17	1/7/2020	24.64			26.53
MW-88C	51.17	7/8/2020	24.5			26.67

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-88C	51.17	1/6/2021	23.72			27.45
MW-88C	51.17	7/6/2021	21.93			29.24
MW-88C	51.17	1/1/2022	23.82			27.35
MW-88C	51.17	7/6/2022	26.12			25.05
MW-88C	51.17	1/4/2023	25.44			25.73
MW-88C	51.17	7/6/2023	25.58			25.59
MW-88C	51.17	1/3/2024	25.58			25.59
MW-88C	51.17	7/22/2024	23.45			27.72
MW-89B	44.57	7/19/2018	6.78			37.79
MW-89B	44.57	1/4/2019	8.21			36.36
MW-89B	44.57	7/9/2019	7.74			36.83
MW-89B	44.57	1/7/2020	6.24			38.33
MW-89B	44.57	7/7/2020	6.89			37.68
MW-89B	44.57	1/4/2021	1.62			42.95
MW-89B	44.57	7/6/2021	0.82			43.75
MW-89B	44.57	1/5/2022	4.81			39.76
MW-89B	44.57	7/6/2022	8.67			35.9
MW-89B	44.57	1/4/2023	5.06			39.51
MW-89B	44.57	7/6/2023	8.37			36.2
MW-89B	44.57	1/3/2024	NM	NM	NM	NM
MW-89B	44.57	7/22/2024	5.25			39.32
MW-90B	44.39	7/19/2018	5.63			38.76
MW-90B	44.39	1/4/2019	7.16			37.23
MW-90B	44.39	7/9/2019	4.13			40.26
MW-90B	44.39	1/7/2020	0.86			43.53
MW-90B	44.39	7/7/2020	4.89			39.5
MW-90B	44.39	1/4/2021	2.88			41.51
MW-90B	44.39	7/6/2021	1.96			42.43
MW-90B	44.39	1/5/2022	4.67			39.72
MW-90B	44.39	7/6/2022	7.34			37.05
MW-90B	44.39	1/4/2023	3.09			41.3
MW-90B	44.39	7/6/2023	7.22			37.17
MW-90B	44.39	1/3/2024	4.21			40.18
MW-90B	44.39	7/22/2024	2.80			41.59
MW-91A	44.02	3/12/2020	5.21			38.81
MW-91A	44.02	7/7/2020	6.01			38.01
MW-91A	44.02	1/4/2021	3.5			40.52
MW-91A	44.02	7/8/2021	1.18			42.84
MW-91A	44.02	1/4/2022	5.32			38.7
MW-91A	44.02	7/6/2022	8.24			35.78
MW-91A	44.02	1/4/2023	3.36			40.66
MW-91A	44.02	7/6/2023	7.87			36.15
MW-91A	44.02	1/3/2024	5.39			38.63
MW-91A	44.02	7/22/2024	3.23			40.79
MW-92B	44.91	3/12/2020	4.19			40.72
MW-92B	44.91	5/22/2020				44.91
MW-92B	44.91	7/7/2020	5.68			39.23
MW-92B	44.91	1/4/2021	3.49			41.42
MW-92B	44.91	7/6/2021	1.9			43.01
MW-92B	44.91	1/5/2022	4.26			40.65
MW-92B	44.91	7/6/2022	7.28			37.63
MW-92B	44.91	1/4/2023	3.49			41.42
MW-92B	44.91	7/6/2023	5.62			39.29
MW-92B	44.91	1/3/2024	3.77			41.14
MW-92B	44.91	7/22/2024	2.64			42.27
MW-93B	45.05	3/12/2020	4.06			40.99
MW-93B	45.05	5/22/2020	5.91			39.14
MW-93B	45.05	7/7/2020	5.44			39.61
MW-93B	45.05	1/4/2021	2.67			42.38
MW-93B	45.05	7/6/2021	1.51			43.54
MW-93B	45.05	1/5/2022	3.64			41.41
MW-93B	45.05	7/6/2022	6.33			38.72
MW-93B	45.05	1/4/2023	2.31			42.74
MW-93B	45.05	7/6/2023	6.06			38.99
MW-93B	45.05	1/3/2024	3.77			41.28
MW-93B	45.05	7/22/2024	2.61			42.44
MW-94A	45.21	3/12/2020	3.99			41.22
MW-94A	45.21	5/22/2020	4.82			40.39
MW-94A	45.21	7/7/2020	2.13			43.08
MW-94A	45.21	1/4/2021	2.93			42.28
MW-94A	45.21	7/6/2021	0			45.21
MW-94A	45.21	1/5/2022	2.71			42.5
MW-94A	45.21	7/6/2022	5.46			39.75

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-94A	45.21	1/4/2023	2.32			42.89
MW-94A	45.21	7/6/2023	4.97			40.24
MW-94A	45.21	1/3/2024	2.27			42.94
MW-94A	45.21	7/22/2024	2.55			42.66
MW-95A	46.19	3/17/2020	3.88			42.31
MW-95A	46.19	5/22/2020	4.84			41.35
MW-95A	46.19	7/7/2020	3.91			42.28
MW-95A	46.19	1/4/2021	2.31			43.88
MW-95A	46.19	7/6/2021	0			46.19
MW-95A	46.19	1/5/2022	3.26			42.93
MW-95A	46.19	7/6/2022	3.42			42.77
MW-95A	46.19	1/4/2023	1.23			44.96
MW-95A	46.19	7/6/2023	2.64			43.55
MW-95A	46.19	1/3/2024	1.31			44.88
MW-95A	46.19	7/22/2024	2.59			43.60
MW-96B	47.02	3/17/2020	4.28			42.74
MW-96B	47.02	5/22/2020	5.54			41.48
MW-96B	47.02	7/7/2020	4.89			42.13
MW-96B	47.02	1/4/2021	2.58			44.44
MW-96B	47.02	7/6/2021	0.8			46.22
MW-96B	47.02	1/5/2022	1.39			45.63
MW-96B	47.02	7/6/2022	3.52			43.5
MW-96B	47.02	1/4/2023	0.34			46.68
MW-96B	47.02	7/6/2023	1.77			45.25
MW-96B	47.02	1/3/2024	1.03			45.99
MW-96B	47.02	7/22/2024	1.00			46.02
MW-97A	47.77	3/12/2020	5.20			42.57
MW-97A	47.77	5/22/2020	5.52			42.25
MW-97A	47.77	7/8/2020	5.72			42.05
MW-97A	47.77	1/5/2021	6.05			41.72
MW-97A	47.77	7/12/2021	5.25			42.52
MW-97A	47.77	1/4/2022	5.41			42.36
MW-97A	47.77	7/6/2022	5.61			42.16
MW-97A	47.77	1/4/2023	6.72			41.05
MW-97A	47.77	7/6/2023	4.94			42.83
MW-97A	47.77	1/3/2024	7.08			40.69
MW-97A	47.77	7/22/2024	4.01			43.76
MW-98A	48.35	3/12/2020	7.19			41.16
MW-98A	48.35	5/22/2020	7.41			40.94
MW-98A	48.35	7/8/2020	7.08			41.27
MW-98A	48.35	1/5/2021	7.2			41.15
MW-98A	48.35	7/12/2021	5.91			42.44
MW-98A	48.35	1/4/2022	7.33			41.02
MW-98A	48.35	7/6/2022	7.56			40.79
MW-98A	48.35	1/4/2023	7.62			40.73
MW-98A	48.35	7/6/2023	6.92			41.43
MW-98A	48.35	1/3/2024	8.11			40.24
MW-98A	48.35	9/4/2024	8.52			39.83
MW-98B	48.59	3/12/2020	8.30			40.29
MW-98B	48.59	5/22/2020	7.72			40.87
MW-98B	48.59	7/8/2020	7.81			40.78
MW-98B	48.59	1/5/2021	7.08			41.51
MW-98B	48.59	7/27/2021	7.84			40.75
MW-98B	48.59	1/4/2022	7.67			40.92
MW-98B	48.59	7/6/2022	8.11			40.48
MW-98B	48.59	1/4/2023	7.59			41
MW-98B	48.59	7/6/2023	8.78			39.81
MW-98B	48.59	1/3/2024	8.19			40.4
MW-98B	48.59	9/4/2024	6.7			41.89
MW-99C	45.33	3/11/2020	14.99			30.34
MW-99C	45.33	5/22/2020	16.09			29.24
MW-99C	45.33	7/7/2020	16.01			29.32
MW-99C	45.33	1/4/2021	14.91			30.42
MW-99C	45.33	7/8/2021	13.01			32.32
MW-99C	45.33	1/4/2022	15.26			30.07
MW-99C	45.33	7/6/2022	17.12			28.21
MW-99C	45.33	1/4/2023	15.91			29.42
MW-99C	45.33	7/6/2023	17.56			27.77
MW-99C	45.33	1/3/2024	16.73			28.6
MW-99C	45.33	7/22/2024	14.82			30.51
P-10	47.69	9/2/1993	6.87			40.85
P-10	47.69	12/21/1993	3.32			44.4
P-10	47.69	3/24/1994	3.88			43.84

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-10	47.69	6/22/1994	4.98			42.74
P-10	47.69	9/28/1994	6.38			41.34
P-10	47.69	10/13/1994	7.07			40.65
P-10	47.69	1/24/1995	2.67			45.05
P-10	47.69	4/11/1995	2.59			45.13
P-10	47.69	7/11/1995	4.69			43.03
P-10	47.69	1/23/1996	5.84			41.88
P-10	47.69	7/19/1996	10.04			37.68
P-10	47.69	9/17/1996	8.34			39.38
P-10	47.69	10/31/1996	6.97			40.75
P-10	47.69	11/22/1996	8.84			38.88
P-10	47.69	12/27/1996	6.20			41.52
P-10	47.69	1/22/1997	4.10			43.62
P-10	47.69	2/21/1997	2.86			44.86
P-10	47.69	3/25/1997	3.19			44.53
P-10	47.69	4/23/1997	4.42			43.3
P-10	47.69	4/24/1997	4.57			43.15
P-10	47.69	5/13/1997	3.14			44.58
P-10	47.69	6/20/1997	4.94			42.78
P-10	47.69	6/25/1997	2.74			44.98
P-10	47.69	7/1/1997	4.13			43.59
P-10	47.69	7/24/1997	7.91			39.81
P-10	47.69	8/16/1997	7.86			39.86
P-10	47.69	8/22/1997	8.67			39.05
P-10	47.69	9/25/1997	6.54			41.18
P-10	47.69	10/22/1997	5.36			42.36
P-10	47.69	11/25/1997	5.36			42.36
P-10	47.69	12/19/1997	4.72			43
P-10	47.69	1/20/1998	3.40			44.32
P-10	47.69	1/29/1998	3.11			44.61
P-10	47.69	3/18/1998	2.84			44.88
P-10	47.69	4/24/1998	6.80			40.92
P-10	47.69	5/21/1998	7.35			40.37
P-10	47.69	7/30/1998	8.23			39.49
P-10	47.69	8/25/1998	7.34			40.38
P-10	47.69	9/21/1998	5.25			42.47
P-10	47.69	10/26/1998	6.11			41.61
P-10	47.69	11/23/1998	4.10			43.62
P-10	47.69	2/26/1999	3.21			44.51
P-10	47.69	3/16/1999	4.21			43.51
P-10	47.69	4/29/1999	4.53			43.19
P-10	47.69	6/1/1999	4.53			43.19
P-10	47.69	7/30/1999	6.00			41.72
P-10	47.69	8/27/1999	4.72			43
P-10	47.69	9/27/1999	9.58			38.14
P-10	47.69	10/29/1999	10.61			37.11
P-10	47.69	12/29/1999	11.55			36.17
P-10	47.69	2/4/2000	13.71			34.01
P-10	47.69	2/25/2000	10.44			37.28
P-10	47.69	3/27/2000	7.53			40.19
P-10	47.69	4/7/2000	7.09			40.63
P-10	47.69	5/31/2000	7.14			40.58
P-10	47.69	6/1/2000	7.11			40.61
P-10	47.69	7/28/2000	7.15			40.57
P-10	47.69	8/30/2000	10.15			37.57
P-10	47.69	9/19/2000	11.56			36.16
P-10	47.69	10/27/2000	8.66			39.06
P-10	47.69	11/21/2000	9.64			38.08
P-10	47.69	5/1/2001	6.52			41.2
P-10	47.69	10/1/2001	6.85			40.87
P-10	47.69	3/11/2002	3.41			44.31
P-10	47.69	9/23/2002	3.54			44.18
P-10	47.69	3/10/2003	2.43			45.26
P-10	47.69	9/23/2003	1.61			46.08
P-10	47.69	3/15/2004	2.85			44.84
P-10	47.69	9/13/2004	7.99			39.7
P-10	47.69	7/18/2005	4.20			43.49
P-10	47.69	1/4/2006	8.58			39.11
P-10	47.69	7/27/2006	3.46			44.23
P-10	47.69	1/23/2007	2.36			45.33
P-10	47.69	3/7/2007	NM			
P-10	47.69	7/27/2007	3.75			43.94
P-10	47.69	1/29/2008	2.30			45.39

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-10	47.69	7/16/2008	6.91			40.78
P-10	47.69	1/22/2009	6.35			41.34
P-10	47.69	7/23/2009	NM			
P-10	47.69	1/8/2010	4.06			43.63
P-10	47.69	7/12/2010	2.06			45.63
P-10	47.73	1/12/2011	4.13			43.60
P-10	47.73	7/12/2011	9.84			37.89
P-10	47.73	1/27/2012	3.12			44.61
P-10	47.73	7/10/2013	10.79			36.94
P-10	47.73	1/8/2014	5.51			42.22
P-10	47.73	7/2/2014	7.74			39.99
P-10	47.73	1/7/2015	3.96			43.77
P-10	47.73	8/10/2015	5.39			42.34
P-10	47.71	1/12/2016	2.47			45.24
P-10	47.71	7/6/2016	5.18			42.53
P-10	47.71	1/12/2017	4.52			43.19
P-10	47.71	7/12/2017	6.07			41.64
P-10	47.71	1/3/2018	6.71			41.00
P-10	47.71	7/19/2018	5.77			41.94
P-10	47.71	1/3/2019	6.32			41.39
P-10	47.71	7/1/2019	3.12			44.59
P-10	47.71	1/13/2020	3.18			44.53
P-10	47.71	7/8/2020	5.38			42.33
P-10	47.91	1/6/2021	2.96			44.95
P-10	47.91	7/6/2021	2.42			45.49
P-10	47.91	1/3/2022	4.09			43.82
P-10	47.91	7/5/2022	6.74			41.17
P-10	47.91	1/3/2023	3.49			44.42
P-10	47.91	7/5/2023	6.72			41.19
P-10	47.91	1/2/2024	4.27			43.64
P-10	47.91	7/22/2024	2.34			45.57
P-11	48.98	9/2/1993	7.87			41.15
P-11	48.98	12/21/1993	4.57			44.45
P-11	48.98	3/24/1994	5.04			43.98
P-11	48.98	6/22/1994	6.19			42.83
P-11	48.98	9/28/1994	7.40			41.62
P-11	48.98	10/13/1994	8.14			40.88
P-11	48.98	1/24/1995	3.90			45.12
P-11	48.98	4/11/1995	3.77			45.25
P-11	48.98	7/11/1995	5.69			43.33
P-11	48.98	1/23/1996	6.81			42.21
P-11	48.98	7/19/1996	7.81			41.21
P-11	48.98	9/17/1996	9.15			39.87
P-11	48.98	10/31/1996	7.52			41.5
P-11	48.98	11/22/1996	9.46			39.56
P-11	48.98	12/27/1996	6.64			42.38
P-11	48.98	1/22/1997	4.70			44.32
P-11	48.98	2/21/1997	3.88			45.14
P-11	48.98	3/25/1997	4.09			44.93
P-11	48.98	4/23/1997	5.27			43.75
P-11	48.98	4/24/1997	5.41			43.61
P-11	48.98	5/13/1997	4.12			44.9
P-11	48.98	6/20/1997	5.79			43.23
P-11	48.98	6/25/1997	3.83			45.19
P-11	48.98	7/1/1997	5.01			44.01
P-11	48.98	7/24/1997	7.56			41.46
P-11	48.98	8/16/1997	8.74			40.28
P-11	48.98	8/22/1997	9.37			39.65
P-11	48.98	9/25/1997	7.24			41.78
P-11	48.98	10/22/1997	5.98			43.04
P-11	48.98	11/25/1997	6.00			43.02
P-11	48.98	12/19/1997	5.52			43.5
P-11	48.98	1/20/1998	4.30			44.72
P-11	48.98	3/4/1998	4.08			44.94
P-11	48.98	3/18/1998	3.92			45.1
P-11	48.98	4/24/1998	7.61			41.41
P-11	48.98	5/21/1998	8.10			40.92
P-11	48.98	7/30/1998	9.21			39.81
P-11	48.98	8/25/1998	8.44			40.58
P-11	48.98	9/21/1998	5.91			43.11
P-11	48.98	10/26/1998	7.59			41.43
P-11	48.98	11/23/1998	5.41			43.61
P-11	48.98	1/29/1999	4.11			44.91

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-11	48.98	2/26/1999	4.22			44.8
P-11	48.98	3/16/1999	4.96			44.06
P-11	48.98	4/29/1999	5.15			43.87
P-11	48.98	6/1/1999	5.15			43.87
P-11	48.98	7/30/1999	6.66			42.36
P-11	48.98	8/27/1999	5.23			43.79
P-11	48.98	9/27/1999	10.49			38.53
P-11	48.98	10/29/1999	11.91			37.11
P-11	48.98	12/29/1999	11.12			37.9
P-11	48.98	2/4/2000	12.13			36.89
P-11	48.98	2/25/2000	10.46			38.56
P-11	48.98	3/27/2000	8.32			40.7
P-11	48.98	4/7/2000	7.91			41.11
P-11	48.98	5/31/2000	7.96			41.06
P-11	48.98	6/1/2000	7.93			41.09
P-11	48.98	7/28/2000	7.97			41.05
P-11	48.98	8/30/2000	10.88			38.14
P-11	48.98	9/19/2000	12.32			36.7
P-11	48.98	10/27/2000	10.94			38.08
P-11	48.98	11/21/2000	9.77			39.25
P-11	48.98	5/1/2001	7.48			41.54
P-11	48.98	10/1/2001	7.74			41.28
P-11	48.98	3/11/2002	4.51			44.51
P-11	48.98	9/23/2002	4.46			44.56
P-11	48.98	3/10/2003	3.69			45.29
P-11	48.98	9/23/2003	4.54			44.44
P-11	48.98	3/15/2004	4.51			44.47
P-11	48.98	9/13/2004	9.14			39.84
P-11	48.98	7/18/2005	5.27			43.71
P-11	48.98	1/4/2006	9.56			39.42
P-11	48.98	7/27/2006	4.54			44.44
P-11	48.98	3/7/2007	NM			
P-11	48.98	7/27/2007	4.61			44.37
P-11	48.98	1/30/2008	2.71			46.27
P-11	48.98	7/15/2008	7.93			41.05
P-11	48.98	2/4/2009	7.82			41.16
P-11	48.98	7/24/2009	7.74			41.24
P-11	48.98	1/8/2010	5.67			43.31
P-11	48.98	7/12/2010	6.78			42.2
P-11	48.98	1/12/2011	4.21			44.77
P-11	48.98	7/12/2011	11.51			37.47
P-11	48.98	1/26/2012	4.25			44.73
P-11	48.98	1/7/2013	7.96			41.02
P-11	48.98	7/22/2013	10.96			38.02
P-11	48.98	1/7/2014	6.52			42.46
P-11	48.98	7/16/2014	8.87			40.11
P-11	48.98	1/5/2015	5.61			43.37
P-11	48.98	8/10/2015	3.86			45.12
P-11	48.98	1/13/2016	3.26			45.72
P-11	48.98	7/6/2016	3.74			45.24
P-11	48.98	1/12/2017	4.36			44.62
P-11	48.98	7/6/2017	4.62			44.36
P-11	48.98	9/6/2017	4.62			44.36
P-11	48.98	2/11/2018	5.09			43.89
P-11	48.98	3/11/2018	5.54			43.44
P-11	48.98	5/14/2018	7.14			41.84
P-11	48.98	7/2/2018	7.28			41.7
P-11	48.98	1/4/2019	6.43			42.55
P-11	48.98	7/9/2019	5.31			43.67
P-11	48.98	1/7/2020	4.26			44.72
P-11	48.98	7/8/2020	6.31			42.67
P-11	48.98	1/6/2021	4.05			44.93
P-11	48.98	7/13/2021	3.39			45.59
P-11	48.98	1/4/2022	5.02			43.96
P-11	48.98	7/6/2022	7.71			41.27
P-11	48.98	1/4/2023	3.68			45.3
P-11	48.98	7/6/2023	7.23			41.75
P-11	48.98	1/3/2024	4.52			44.46
P-11	48.98	7/22/2024	3.78			45.2
P-12	48.78	9/2/1993	7.02			41.8
P-12	48.78	12/21/1993	4.30			44.52
P-12	48.78	3/24/1994	4.45			44.37
P-12	48.78	6/22/1994	5.06			43.76

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-12	48.78	9/28/1994	6.46			42.36
P-12	48.78	10/13/1994	7.19			41.63
P-12	48.78	1/24/1995	3.63			45.19
P-12	48.78	4/11/1995	3.25			45.57
P-12	48.78	7/11/1995	4.62			44.2
P-12	48.78	1/23/1996	6.62			42.2
P-12	48.78	7/19/1996	8.64			40.18
P-12	48.78	9/17/1996	8.12			40.7
P-12	48.78	10/31/1996	6.81			42.01
P-12	48.78	11/22/1996	8.70			40.12
P-12	48.78	12/27/1996	6.57			42.25
P-12	48.78	1/22/1997	4.93			43.89
P-12	48.78	2/21/1997	3.61			45.21
P-12	48.78	3/25/1997	3.70			45.12
P-12	48.78	4/23/1997	4.58			44.24
P-12	48.78	4/24/1997	4.74			44.08
P-12	48.78	5/13/1997	3.69			45.13
P-12	48.78	6/20/1997	4.86			43.96
P-12	48.78	6/25/1997	3.35			45.47
P-12	48.78	7/1/1997	4.11			44.71
P-12	48.78	7/24/1997	6.58			42.24
P-12	48.78	8/16/1997	7.80			41.02
P-12	48.78	8/22/1997	8.22			40.6
P-12	48.78	9/25/1997	6.54			42.28
P-12	48.78	10/22/1997	5.66			43.16
P-12	48.78	11/25/1997	5.70			43.12
P-12	48.78	12/19/1997	5.13			43.69
P-12	48.78	1/20/1998	4.15			44.67
P-12	48.78	3/4/1998	3.78			45.04
P-12	48.78	3/18/1998	3.61			45.21
P-12	48.78	4/24/1998	6.90			41.92
P-12	48.78	5/21/1998	7.80			41.02
P-12	48.78	7/30/1998	8.15			40.67
P-12	48.78	8/25/1998	8.31			40.51
P-12	48.78	9/21/1998	5.64			43.18
P-12	48.78	10/26/1998	7.66			41.16
P-12	48.78	11/23/1998	5.65			43.17
P-12	48.78	1/29/1999	4.20			44.62
P-12	48.78	2/26/1999	4.31			44.51
P-12	48.78	3/16/1999	4.99			43.83
P-12	48.78	4/29/1999	5.10			43.72
P-12	48.78	6/1/1999	5.10			43.72
P-12	48.78	7/30/1999	6.75			42.07
P-12	48.78	8/27/1999	5.34			43.48
P-12	48.78	9/27/1999	9.36			39.46
P-12	48.78	10/29/1999	10.11			38.71
P-12	48.78	12/29/1999	9.44			39.38
P-12	48.78	2/4/2000	12.10			36.72
P-12	48.78	2/25/2000	8.63			40.19
P-12	48.78	3/27/2000	7.76			41.06
P-12	48.78	4/7/2000	7.35			41.47
P-12	48.78	5/31/2000	7.39			41.43
P-12	48.78	6/1/2000	7.34			41.48
P-12	48.78	7/28/2000	7.37			41.45
P-12	48.78	8/30/2000	10.66			38.16
P-12	48.78	9/19/2000	11.45			37.37
P-12	48.78	10/27/2000	10.94			37.88
P-12	48.78	11/21/2000	8.93			39.89
P-12	48.78	5/1/2001	6.70			42.12
P-12	48.78	10/1/2001	6.93			41.89
P-12	48.78	3/11/2002	4.15			44.67
P-12	48.78	9/23/2002	3.90			44.92
P-12	48.78	3/10/2003	3.13			45.65
P-12	48.78	9/23/2003	3.86			44.92
P-12	48.78	3/15/2004	NM			
P-12	48.78	9/13/2004	7.93			40.85
P-12	48.78	7/18/2005	5.06			43.72
P-12	48.78	1/4/2006	8.98			39.8
P-12	48.78	7/27/2006	4.35			44.43
P-12	48.78	1/22/2007	3.19			45.59
P-12	48.78	3/7/2007	NM			NM
P-12	48.78	7/27/2007	4.22			44.56
P-12	48.78	1/29/2008	3.03			45.75

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-12	48.78	7/16/2008	6.78			42
P-12	48.78	1/22/2009	6.99			41.79
P-12	48.78	7/24/2009	NM			
P-12	48.78	1/8/2010	4.13			44.65
P-12	48.78	7/12/2010	3.93			44.85
P-12	48.80	1/12/2011	4.83			43.97
P-12	48.80	7/12/2011	10.02			38.78
P-12	48.80	1/27/2012	4.52			44.28
P-12	48.80	7/9/2012	5.15			43.65
P-12	48.80	7/10/2013	9.73			39.07
P-12	48.80	1/8/2014	6.41			42.39
P-12	48.80	7/2/2014	6.46			42.34
P-12	48.80	1/7/2015	3.19			45.61
P-12	48.80	8/10/2015	4.06			44.74
P-12	48.76	1/12/2016	3.26			45.50
P-12	48.76	7/6/2016	5.09			43.67
P-12	48.76	1/12/2017	5.11			43.65
P-12	48.76	7/12/2017	6.39			42.37
P-12	48.76	1/3/2018	7.14			41.62
P-12	48.76	7/19/2018	6.31			42.45
P-12	48.76	1/3/2019	6.69			42.07
P-12	48.76	7/1/2019	3.06			45.70
P-12	48.76	1/14/2020	3.96			44.80
P-12	48.76	7/8/2020	5.31			43.45
P-12	48.65	1/6/2021	3.34			45.31
P-12	48.65	7/6/2021	2.36			46.29
P-12	48.65	1/3/2022	4.82			43.83
P-12	48.65	7/5/2022	6.51			42.14
P-12	48.65	1/3/2023	4.29			44.36
P-12	48.65	7/5/2023	6.33			42.32
P-12	48.65	1/2/2024	4.92			43.73
P-12	48.65	7/22/2024	2.94			45.71
TW-41B	49.67	2/4/2009	8.44			41.23
TW-41B	49.67	7/24/2009	8.34			41.33
TW-41B	49.67	1/8/2010	4.86			44.81
TW-41B	49.67	7/12/2010	6.12			43.55
TW-41B	49.67	1/12/2011	5.17			44.5
TW-41B	49.67	7/12/2011	12.02			37.65
TW-41B	49.67	1/26/2012	5.27			44.4
TW-41B	49.67	7/9/2012	6.23			43.44
TW-41B	49.67	1/7/2013	8.54			41.13
TW-41B	49.67	7/22/2013	11.53			38.14
TW-41B	49.67	1/7/2014	7.32			42.35
TW-41B	49.67	7/16/2014	9.65			40.02
TW-41B	49.67	1/5/2015	NM			
TW-41B	49.67	8/10/2015	4.96			44.71
TW-41B	49.67	1/13/2016	4.13			45.54
TW-41B	49.67	7/6/2016	4.31			45.36
TW-41B	49.67	1/12/2017	4.93			44.74
TW-41B	49.67	7/6/2017	5.32			44.35
TW-41B	49.67	9/6/2017	5.26			44.41
TW-41B	49.67	2/11/2018	5.86			43.81
TW-41B	49.67	3/11/2018	6.69			42.98
TW-41B	49.67	5/14/2018	8.67			41.00
TW-41B	49.67	7/2/2018	8.87			40.8
TW-41B	49.67	1/4/2019	7.97			41.7
TW-41B	49.67	7/9/2019	8.22			41.45
TW-41B	49.67	1/7/2020	5.52			44.15
TW-41B	49.67	7/8/2020	7.25			42.42
TW-41B	49.67	1/6/2021	4.91			44.76
TW-41B	49.67	7/6/2021	4.42			45.25
TW-41B	49.67	1/4/2022	6.21			43.46
TW-41B	49.67	7/6/2022	8.58			41.09
TW-41B	49.67	7/6/2023	8.61			41.06
TW-41B	49.67	1/3/2024	5.44			44.23
TW-41B	49.67	7/22/2024	5.25			44.42

Notes:
ft - Feet
(B)TOC - (below) top of casing
Trace - trace DNAPL observed; product on probe, not measureable
NM - Not Measured
BP - Top of NAPL is below pump in well
Elevations relative to City of Houston Vertical Datum (1973 adjustment)

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)	Max Values	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A
Sample Date:	Cgw,Target (mg/L)	(mg/L)	07/16/2019	01/15/2020	07/22/2020	01/26/2021	07/20/2021	01/25/2022	07/25/2022	02/01/2023	07/17/2023	01/25/2024	09/05/2024
Semivolatile Organic Compounds (mg/L)													
Benzo(a)anthracene	*0.344*	*0.0033*	<0.00005	0.00012	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	*0.9400*	0.00023	0.0001	0.001	<0.00002	<0.00002	<0.00002	<0.001	0.000077 J	<0.00002	0.000079 J	<0.00002
Nitrobenzene	*0.715*	*0.001*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)													
1,2-Dichloroethane	*0.0151*	*0.000372*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	*0.00046*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	*0.0011*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	*0.000385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	*0.00173*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	*0.0021*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	*0.0002*	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	*0.00124*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A
Sample Date:	*Cgw,Target (mg/L)*	07/17/2019	01/16/2020	07/27/2020	01/19/2021	07/20/2021	01/20/2022	07/20/2022	02/01/2023	07/20/2023	02/07/2024	09/05/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00032	<0.00017	<0.000049	<0.00079	<0.00091	<0.00002	<0.00002	0.00069	0.00014	0.00002	<0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	0.001	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A
Sample Date:	*Cgw,Target (mg/L)*	07/18/2019	01/15/2020	07/28/2021	01/25/2022	07/19/2022	01/26/2023	07/13/2023	01/24/2024	07/30/2024
Semivolatile Organic Compounds (mg/L)										
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	0.00053	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.0026	0.000053 J	0.00015	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)										
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A
Sample Date:	*Cgw,Target (mg/L)*	07/16/2019	01/16/2020	07/23/2020	01/20/2021	07/21/2021	08/26/2021	01/27/2022	07/20/2022	01/10/2023	07/19/2023	01/23/2024	07/30/2024
Semivolatile Organic Compounds (mg/L)													
Benzo(a)anthracene	*0.344*	0.000055 J	0.000073 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.0013	<0.0006	0.00015 J	<0.000091	0.94(UV)	<0.00002	<0.0002	0.000083 J	<0.0002	0.00005 J	0.00002 J	<0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)													
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR
Sample Date:	*Cgw,Target (mg/L)*	07/30/2019	01/20/2020	07/23/2020	01/19/2021	07/21/2021	01/20/2022	07/21/2022	01/10/2023	07/20/2023	01/23/2024	07/25/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	0.000054 J	<0.00005	0.000088 J	<0.00005	<0.00013	<0.00005	0.000079 J	<0.00005	<0.00005	<0.00005	0.00012
Naphthalene	*0.0174*	<0.00002	<0.00014	0.00026 J	<0.00002	<0.0019	<0.00002	0.0012	<0.00002	0.0013	<0.00002	0.0011
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP)	MW-33A
Sample Date:	*Cgw,Target (mg/L)*	07/17/2019	07/17/2019	01/20/2020	01/20/2020	07/28/2020	07/28/2020	08/18/2020	08/18/2020	01/19/2021	01/19/2021	07/21/2021	07/21/2021	01/25/2022
Semivolatile Organic Compounds (mg/L)														
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	0.00012	0.00012	NA	NA	0.00011	0.00014	<0.00005	0.000065 J	0.00013	0.00013	0.0002
Naphthalene	*0.0174*	<0.000076	<0.000096	<0.0005	<0.00066	NA	NA	<0.00002	<0.000021	<0.0002	<0.00014	<0.0002	<0.00017	<0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	NA	NA	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)														
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	<0.0002	<0.0002	--	--	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-33A (DUP)	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP	MW-33A	MW-33A (DUP)	MW-33A	MW-33A	MW-33A (DUP)
Sample Date:	*Cgw,Target (mg/L)*	01/25/2022	07/21/2022	07/21/2022	01/10/2023	01/10/2023	07/20/2023	07/20/2023	02/07/2024	07/29/2024	07/29/2024
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	0.0002	<0.00005	0.00011	0.000059 J	0.00011	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00011	0.00013 J	0.00024 J	0.0015 J	0.00024 J	0.000061 J	0.000055 J	<0.00002	0.00011 J	0.00018 J
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)											
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A
Sample Date:	*Cgw,Target (mg/L)*	07/18/2019	01/10/2020	07/22/2020	01/12/2021	07/22/2021	01/27/2022	07/20/2022	01/12/2023	07/18/2023	02/07/2024	07/24/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.00083	<0.0002	0.0012	<0.00035	<0.011	0.00034	0.000093 J	0.00031	<0.00002	0.004	0.00016
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	0.00058 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0011	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	0.00032 J	0.0003 J	0.0003 J	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A
Sample Date:	*Cgw,Target (mg/L)*	07/16/2019	01/09/2020	07/28/2020	08/18/2020	01/27/2021	07/21/2021	01/25/2022	07/27/2022	02/01/2023	07/20/2023	01/24/2024	07/31/2024
Semivolatile Organic Compounds (mg/L)													
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	NA	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.00015	<0.00034	NA	<0.000021	<0.00002	<0.00063	<0.00002	0.000054 J	0.000087 J	0.000028 J	0.0068 J	0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	NA	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)													
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A
Sample Date:	*Cgw,Target (mg/L)*	07/31/2019	01/21/2020	07/20/2020	01/13/2021	07/14/2021	01/27/2022	07/26/2022	01/26/2023	07/20/2023	01/25/2024	08/05/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	0.000087 J	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.000068 J	0.0011	<0.00002	0.000042 J	<0.00011	0.00018	0.0019	0.000039 J	<0.00002	0.0011	<0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	0.00031 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00173
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A
Sample Date:	*Cgw,Target (mg/L)*	07/17/2019	01/09/2020	07/22/2020	01/26/2021	07/22/2021	01/25/2022	07/25/2022	02/02/2023	07/24/2023	02/07/2024	08/01/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	0.000085 J	0.000054 J	<0.00005	<0.00005	<0.00005	<0.000057	<0.0005	<0.00005	<0.0005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00019	<0.003	<0.00016	<0.000091	0.011	<0.00023	<0.00052	<0.00002	<0.0002	<0.00002	0.00032
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475
Vinyl chloride	*0.00147*	<0.0002	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A
Sample Date:	*Cgw,Target (mg/L)*	03/20/2020	07/21/2020	01/21/2021	07/14/2021	01/11/2022	07/24/2022	01/25/2023	07/17/2023	01/24/2024	07/31/2024
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00002	0.00025	<0.00015	<0.000069	<0.000058	<0.000065	<0.00002	<0.0002	0.000042 J	0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)											
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A
Sample Date:	*Cgw,Target (mg/L)*	07/17/2019	01/16/2020	07/21/2020	01/26/2021	07/19/2021	01/12/2022	07/18/2022	01/31/2023	07/13/2023	02/06/2024	07/31/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00012	<0.0012	0.00017	<0.00007	0.000087	<0.0003	0.000028 J	0.000091 J	<0.00002	0.00002 J	0.000034 J
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-60A	MW-60AR	MW-60AR	MW-60AR	MW-60AR	MW-60AR	MW-60AR	MW-60AR	MW-60AR	MW-60AR	MW-60AR
Sample Date:	*Cgw,Target (mg/L)*	07/17/2019	03/20/2020	07/20/2020	01/14/2021	07/08/2021	01/11/2022	07/18/2022	01/12/2023	07/17/2023	01/24/2024	07/30/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00013	<0.00002	<0.00002	<0.00002	0.00004	<0.00014	0.0002	<0.00002	<0.00012	<0.00002	0.000084 J
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A
Sample Date:	*Cgw,Target (mg/L)*	07/17/2019	01/16/2020	07/20/2020	01/27/2021	07/19/2021	01/12/2022	07/22/2022	01/25/2023	07/13/2023	02/06/2024	07/31/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00002	<0.00021	<0.000073	<0.00002	0.00008	<0.00002	<0.000061	<0.00002	0.00018	<0.00002	0.000085 J
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A
Sample Date:	*Cgw,Target (mg/L)*	07/18/2019	01/17/2020	07/27/2020	01/18/2021	07/20/2021	01/20/2022	07/19/2022	01/09/2023	07/19/2023	01/22/2024	07/29/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.00035	<0.00022	<0.000029	<0.00002	<0.00002	<0.00002	<0.000035	<0.00002	<0.0002	<0.0011	0.000091 J
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	0.00039 J	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A
Sample Date:	*Cgw,Target (mg/L)*	07/17/2019	07/21/2020	01/21/2021	07/19/2021	01/12/2022	03/10/2022	07/19/2022	01/31/2023	07/17/2023	02/06/2024	07/31/2024
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.0033	<0.00005	<0.00005	0.00006 J	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.000078	0.00019	0.00012	0.0001	0.13 (UV)	0.000079 J	<0.00011	0.0019	<0.00002	0.00002	0.00013
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	0.0003 J	0.0002 J	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A
Sample Date:	*Cgw,Target (mg/L)*	03/12/2020	07/27/2020	01/18/2021	07/20/2021	01/20/2022	07/26/2022	01/12/2023	07/19/2023	01/22/2024	07/29/2024
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	<0.000051	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.000023 J	<0.00013	<0.00002	<0.00002	0.000063 J	<0.00002	<0.00002	<0.0002	<0.00045	0.00017
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)											
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-91A	MW-91A	MW-91A	MW-91A	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)
Sample Date:	*Cgw,Target (mg/L)*	03/12/2020	07/23/2020	01/20/2021	07/21/2021	01/20/2022	01/20/2022	07/27/2022	07/27/2022	02/02/2023	02/02/2023	07/18/2023	07/18/2023	01/23/2024	01/23/2024	07/30/2024	07/30/2024
Semivolatile Organic Compounds (mg/L)																	
Benzo(a)anthracene	*0.344*	<0.000053	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.000083 J	<0.00002	0.093	<0.00019	<0.00002	<0.00002	<0.00002	<0.00002	0.0063 J	0.000087 J	<0.00002	<0.00002	0.00002 J	0.00002 J	<0.00002 J	0.013 J
Nitrobenzene	*0.715*	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)																	
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A
Sample Date:	*Cgw,Target (mg/L)*	03/12/2020	7/202020	01/12/2021	07/19/2021	01/25/2022	07/26/2022	01/26/2023	07/20/2023	01/23/2024	07/24/2024
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.000021	<0.00002	<0.00025	<0.00002	<0.00002	<0.000098	0.00002 J	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.715*	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)											
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

Analytical Results Summary - A-TZ Wells - VISL Comparison
Houston, tx - Wood Preserving Works

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A
Sample Date:	*Cgw,Target (mg/L)*	03/17/2020	07/20/2020	01/13/2021	07/19/2021	01/25/2022	07/22/2022	01/26/2023	07/21/2023	01/23/2024	08/05/2024
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00002	<0.00002	<0.00025	<0.000056	<0.00002	<0.000086	0.000023 J	<0.0062	<0.00012	<0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)											
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124

Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-01A 01/28/2008	MW-01A 01/28/2008 Duplicate	MW-01A 07/16/2008	MW-01A 07/16/2008 Duplicate	MW-01A 01/22/2009	MW-01A 01/22/2009 Duplicate	MW-01A 07/22/2009	MW-01A 07/22/2009 Duplicate	MW-01A 01/22/2010	MW-01A 01/22/2010 Duplicate	MW-01A 07/14/2010	MW-01A 07/14/2010 Duplicate	MW-01A 01/11/2011	MW-01A 07/13/2011	MW-01A 07/13/2011 Duplicate	MW-01A 01/31/2012	MW-01A 01/31/2012 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*			<0.00052	<0.00052													
Benzene	*0.005*	*0.005*			<0.00025	<0.00025													
Chlorobenzene	*0.1*	*0.1*			<0.00047	<0.00047													
Ethylbenzene	*0.7*	*0.7*			<0.00025	<0.00025													
Methylene chloride	*0.005*	*0.005*			<0.00054	<0.00054													
Toluene	*1*	*1*			<0.00041	<0.00041													
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*			<0.00127	<0.00127													
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.00044	0.000563	0.0109	0.00224	0.0069	0.0016 J	0.0017 J	0.0019 J	0.0019 J	0.0018 J	<0.0009	0.0026 J	<0.0009	0.0068	0.0021 J	<0.0005	<0.0005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.0415	0.0409	0.126	0.119	0.054	0.038	0.085	0.091	0.04	0.039	0.068	0.075	0.07	0.1	0.092	0.029	0.028
Acenaphthylene	*1.5*	*4.4*	0.00099	0.000933	0.00143	0.00135	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011 J	0.0011 J	<0.0005	<0.0005	<0.0005
Anthracene	*7.3*	*22*	0.00129	0.00137	0.00267	0.00232	0.0012 J	<0.0007	0.0011 J	0.0014 J	<0.0006	<0.0006	0.0017 J	0.0022 J	0.0021 J	0.0029 J	0.0027 J	<0.0005	<0.0005
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00022	0.0008 J	0.00137 J	0.00126 J	<0.0012	0.0015 J	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	0.003 J	0.0012 J	<0.0005	0.0013 J
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	
Dibenzofuran	*0.098*	*0.29*	0.00129	0.00211	0.00774	0.00163	0.0058	0.0018 J	<0.0007	<0.0007	0.0016 J	0.0014 J	0.0044 J	0.0067	<0.0007	0.0054	0.0027 J	0.0045 J	0.0044 J
Fluoranthene	*0.98*	*2.9*	0.00234	0.00233	0.00923	0.00836	0.0024 J	0.0013 J	0.0037 J	0.0039 J	0.0017 J	0.0015 J	0.004 J	0.0049 J	0.0025 J	0.0062	0.0059	0.0012 J	0.0012 J
Fluorene	*0.98*	*2.9*	0.0162	0.0167	0.0659	0.0551	0.028	0.018	0.04	0.041	0.022	0.019	0.04	0.047	0.039	0.056	0.051	0.0013 J	0.0013 J
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.00044	<0.00038	0.0168	0.00312	<0.0008	<0.0008	0.0029 J	0.0031 J	0.0043 J	0.0036 J	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.00022	0.00035 J	0.00177	0.000783	0.001 J	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	0.0011 J	0.0025 J	<0.0005	0.002 J	0.0011 J	<0.0005	<0.0005
Phenol	*7.3*	*22*																	
Pyrene	*0.73*	*2.2*	0.00107	0.00108	0.00417	0.00375	0.001 J	<0.0009	0.0019 J	0.0021 J	<0.0005	<0.0005	0.0021 J	0.0026 J	0.0011 J	0.0028 J	0.0027 J	<0.0005	<0.0005
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-01A 07/11/2012	MW-01A 07/11/2012 Duplicate	MW-01A 01/09/2013	MW-01A 01/09/2013 Duplicate	MW-01A 07/11/2013	MW-01A 07/11/2013 Duplicate	MW-01A 01/08/2014	MW-01A 01/08/2014 Duplicate	MW-01A 07/02/2014	MW-01A 07/02/2014 Duplicate	MW-01A 01/07/2015	MW-01A 01/07/2015 Duplicate	MW-01A 07/08/2015	MW-01A 07/08/2015 Duplicate	MW-01A 01/12/2016	MW-01A 01/12/2016 Duplicate	MW-01A 07/07/2016
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	0.012	0.011	0.00125	0.00128	0.00193 J	0.0386 J	0.00222 J	0.0152 J	0.00865 J	0.0000828 J	0.0000693 J	0.000132 J	0.00063 J	0.0041 J	<0.000019	<0.000019	0.000019 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.084	0.083	0.117	0.119	0.098 J	0.132 J	<0.00037	<0.000741	0.0848 J	0.0228 J	0.0594	0.0607	0.086	0.095	0.048	0.043	0.053
Acenaphthylene	*1.5*	*4.4*	0.0017 J	0.002 J	0.00222	0.00189	0.00122	0.00137	<0.00093	<0.00144	0.00138 J	0.000638 J	0.00104	0.00102	0.0009	0.00099	0.0019	0.0018	0.00063
Anthracene	*7.3*	*22*	0.003 J	0.003 J	0.000285 J	0.00373 J	0.0022 J	0.00331 J	<0.003	<0.00371	0.00326 J	0.00124 J	0.00139	0.00139	0.0018	0.0024	0.00052	0.00059	0.00096
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0005	<0.0005	0.00163	0.00162	<0.000356	<0.000356	0.000838 J	0.00067 J	<0.000349	<0.000349	0.00533 J	0.00259 J	<0.0002	<0.000037	0.00042	0.0004	0.000083 J
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*									0.00012 J	0.000133 J							
Dibenzofuran	*0.098*	*0.29*	0.025	0.025	0.0141	0.0134	0.00264 J	0.0235 J	<0.00951	<0.0168	0.0132 J	0.00131 J	0.000541	0.000602	0.0032 J	0.009 J	0.00065	0.00054	0.00072
Fluoranthene	*0.98*	*2.9*	0.0047 J	0.0045 J	0.00602	0.00537	0.00399	0.00456	<0.00257	<0.00345	0.0043 J	0.00141 J	0.00246	0.00235	0.0034	0.0038	0.0027	0.0034	0.0027
Fluorene	*0.98*	*2.9*	0.041	0.043	0.0564	0.0556	0.0323 J	0.0545 J	<0.0369	<0.0432	0.0369 J	0.0113 J	0.0209	0.0217	0.038	0.045	0.0057	0.0042	0.014
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.0005	<0.0005	0.00219	0.00245	0.0169 J	0.441 J	<0.0000741	0.00172 J	0.074 J	0.00469 J	0.000121 J	0.000313 J	0.00083 J	0.0049 J	<0.00002	<0.00002	0.00002 J
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	0.0033 J	0.0031 J	0.00388 J	0.0012 J	0.00109 J	0.00928 J	<0.00175	<0.00451	0.00537 J	0.000426 J	0.000335 J	0.000326 J	0.0012 J	0.0041 J	0.000067 J	0.000075 J	0.000021 J
Phenol	*7.3*	*22*									<0.0000377	<0.0000377							
Pyrene	*0.73*	*2.2*	0.0021 J	0.0019 J	0.00261	0.00202	0.00165	0.00192	<0.0013	<0.00165	0.00204 J	0.000662 J	0.00105	0.00102	0.0015	0.0016	0.0011	0.0014	0.0011
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-01A 07/07/2016 Duplicate	MW-01A 01/11/2017	MW-01A 01/11/2017 Duplicate	MW-01A 07/13/2017	MW-01A 07/13/2017 Duplicate	MW-01A 01/04/2018	MW-01A 01/04/2018 Duplicate	MW-01A 07/18/2018	MW-01A 07/18/2018 Duplicate	MW-01A 01/07/2019	MW-01A 01/07/2019 Duplicate	MW-01A 07/02/2019	MW-01A 07/02/2019 Duplicate	MW-01A 01/14/2020	MW-01A 01/14/2020 Duplicate	MW-01A 07/14/2020	MW-01A 07/14/2020 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	0.000095 J	<0.000019	<0.000019	<0.000019	0.00018	0.000096 J	0.00024	0.00021	0.00014	0.00021	<0.000019	0.00074	0.00069	0.00019	<0.000019	0.00091 J	0.0015 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.053	0.044 J	0.061 J	0.043	0.052	0.041	0.039	0.088	0.12	0.027	0.021	0.063	0.053	0.024	0.018	0.049	0.044
Acenaphthylene	*1.5*	*4.4*	0.00069	0.00092	0.00098	0.00055	0.00068	0.00086	0.00083	0.00078	0.00086	0.00069	0.00059	0.00071	0.00071	0.00084	0.00066	0.00071	0.00081
Anthracene	*7.3*	*22*	0.001	0.00069	0.00093	0.00076	0.00079	0.0012	0.0011	0.002	0.0023	0.00068	0.00046	0.00097	0.00096	<0.000014	<0.000014	0.0016	0.0016
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0001 J	0.00031	0.00026	0.00012 J	0.00029	<0.000072	<0.000085	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000079	<0.000037	0.000074 J	0.000088 J	<0.000037
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	
Dibenzofuran	*0.098*	*0.29*	0.00079	0.0011	0.001	0.0017	0.0027	0.0016	0.0015	0.01	0.015	0.0019	0.0014	0.0058	0.0054	0.0036	0.0021	0.008	0.009
Fluoranthene	*0.98*	*2.9*	0.003	0.0021 J	0.003 J	0.0025	0.0025	0.0032	0.0029	0.0038	0.0043	0.0018	0.0016	0.0013	0.0012	0.0011	0.0012	0.0031	0.0035
Fluorene	*0.98*	*2.9*	0.014	0.01 J	0.015 J	0.014	0.014	0.018	0.017	0.04	0.05	0.0037	0.0027	0.019	0.016	0.0064	0.0038	0.02	0.018
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	0.00022 J	<0.00002	<0.00002	0.00025	0.00053	<0.00002	<0.00002	0.00027	0.00042	<0.00002	<0.00002	0.00034	0.00034	0.00052	<0.00002	<0.00049	0.0052 J
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	0.00027 J	0.000064 J	0.000021 J	0.00029	0.00045	0.0004	0.00035	0.0021	0.0024	0.00029	<0.000021	0.00076	0.00067	<0.000021	<0.000021	0.0026	0.0029
Phenol	*7.3*	*22*																	
Pyrene	*0.73*	*2.2*	0.0013	0.00095	0.0012	0.0011	0.001	0.0014	0.0014	0.0019	0.0022	0.00086	0.0007	0.00059	0.00055	0.00052	0.00059	0.0014	0.0017
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-01A 01/06/2021	MW-01A 01/06/2021 Duplicate	MW-01A 07/06/2021	MW-01A 07/06/2021 Duplicate	MW-01A 01/03/2022	MW-01A 01/03/2022 Duplicate	MW-01A 07/05/2022	MW-01A 07/05/2022 Duplicate	MW-01A 01/03/2023	MW-01A 01/03/2023 Duplicate	MW-01 07/05/2023	MW-01 07/05/2023 Duplicate	MW-01A 01/02/2024	MW-01A 01/02/2024 Duplicate	MW-01A 07/23/2024	MW-01A 07/23/2024 Duplicate	MW-02 01/28/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.0039 J	0.0025 J	0.00011 J	0.000071 J	0.0062	0.0047	<0.000019	<0.000019	0.000035 J	0.014 J	0.00039 J	0.00021 J	0.025 J	0.069 J	<0.00038
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.028 J	0.018 J	0.036	0.028	0.042 J	0.028 J	0.027	0.033	0.021	0.02	0.032 J	0.076 J	0.024	0.023	0.047 J	0.12 J	0.017
Acenaphthylene	*1.5*	*4.4*	0.0014 J	0.00094 J	0.0006 J	0.00043 J	0.00063 J	0.0004 J	0.00043	0.00054	0.0003	0.0003	0.00039 J	0.00073 J	<0.000015 J	0.00028 J	0.00059 J	0.00095 J	<0.00028
Anthracene	*7.3*	*22*	0.00028 J	0.00011 J	0.0007 J	0.00051 J	0.00064 J	0.00037 J	0.00075	0.00083	0.00027	0.00025	0.0006 J	0.0018 J	0.00063	0.00073	0.0013 J	0.0024 J	0.000922
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000059	<0.00006	<0.00018	<0.00012	<0.000055	<0.000053	<0.000037	0.000096 J	<0.000037	<0.000037	<0.000037 J	0.000082 J	<0.000037	<0.000037	<0.000037 J	0.00014 J	0.00049 J
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	
Dibenzofuran	*0.098*	*0.29*	0.00065	0.00058	0.0059 J	0.0039 J	0.0045 J	0.0029 J	0.0028	0.0029	0.0017	0.0019	0.001 J	0.0084 J	0.0084	0.0067	0.017 J	0.043 J	0.0106
Fluoranthene	*0.98*	*2.9*	0.0012	0.00093	0.0012 J	0.00072 J	0.0012 J	0.00076 J	0.0013	0.0016	0.00084	0.00077	0.0014 J	0.0032 J	0.0008 J	0.0012 J	0.0018 J	0.0038 J	0.0015
Fluorene	*0.98*	*2.9*	0.002	0.0016	0.012 J	0.0083 J	0.013 J	0.0064 J	0.0085	0.01	0.0048	0.0052	0.0095 J	0.028 J	0.0099	0.0097	0.024 J	0.06 J	0.0119
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.00084 J	0.00049 J	0.00048 J	0.00032 J	0.00033	0.00022	0.000085 J	0.000076 J	0.00029 J	0.0053 J	<0.00002	<0.00002	0.019 J	0.041 J	0.000827
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.0015 J	0.00094 J	0.0002 J	0.00012 J	0.0012	0.0012	<0.000021	<0.000021	0.00041 J	0.0037 J	0.00069	0.00075	0.005 J	0.0097 J	0.000532
Phenol	*7.3*	*22*																	
Pyrene	*0.73*	*2.2*	0.00059	0.00044	0.0005 J	0.00029 J	0.00058 J	0.00037 J	0.00065	0.00072	0.0004	0.00039	0.0007 J	0.0015 J	0.00044 J	0.00067 J	0.00074 J	0.0015 J	0.000816
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-02 07/16/2008	MW-02 01/22/2009	MW-02 07/22/2009	MW-02 01/22/2010	MW-02 07/14/2010	MW-02 01/11/2011	MW-02 07/13/2011	MW-02 01/30/2012	MW-02 07/10/2012	MW-02 01/09/2013	MW-02 07/11/2013	MW-02 01/08/2014	MW-02 07/02/2014	MW-02 01/07/2015	MW-02 07/07/2015	MW-02 01/12/2016	MW-02 07/07/2016
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052																
Benzene	*0.005*	*0.005*	<0.00025																
Chlorobenzene	*0.1*	*0.1*	<0.00047																
Ethylbenzene	*0.7*	*0.7*	<0.00025																
Methylene chloride	*0.005*	*0.005*	<0.00054																
Toluene	*1*	*1*	<0.00041																
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.00127																
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.00039	<0.0008	0.0025 J	<0.0009	<0.0009	<0.0009	0.0021 J	<0.0005	<0.0005	0.00318	0.000897	<0.0000648	0.000509	0.000105 J	0.00013	0.000033 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.0218	0.014	<0.0009	0.0073	0.018	0.0078	0.026	<0.0005	0.0088	0.0384	0.0179	<0.0000741	0.00452	0.0026	0.001	0.0019	0.00058
Acenaphthylene	*1.5*	*4.4*	0.0003 J	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00057	0.000335 J	<0.000101	0.0000979 J	0.0000892 J	<0.000015	0.000046 J	0.00019
Anthracene	*7.3*	*22*	0.00042 J	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	0.00129	0.0013	<0.00131	0.000596	0.000153 J	0.000078 J	0.00011	0.000026 J
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00019	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	0.0021 J	<0.0005	<0.0005	0.000874	<0.000356	<0.000343	<0.000349	0.000426 J	<0.00013	<0.00019	<0.000037
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*													<0.000104				
Dibenzofuran	*0.098*	*0.29*	0.00673	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	0.0038 J	<0.0005	0.0043 J	0.0178	0.00734	<0.000147	0.00301	0.000377 J	0.00075	0.0013	0.00036
Fluoranthene	*0.98*	*2.9*	0.000961	<0.0006	0.0011 J	<0.0005	<0.0005	<0.0005	0.0012 J	<0.0005	<0.0005	0.00147	0.00069	<0.000307	0.000368 J	<0.0000693	<0.00001	0.00013	0.000052 J
Fluorene	*0.98*	*2.9*	0.0103	0.0039 J	<0.0006	0.0037 J	0.011	0.0049 J	0.015	<0.0005	0.0043 J	0.0201	0.00986	<0.000255	0.00357	0.000681	0.00067	0.001	0.00032
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	0.00118	<0.0008	0.012	<0.0006	<0.0006	<0.0006	0.0037 J	<0.0005	0.0033 J	0.0211	0.00754	<0.0000741	0.00653	0.000472 J	0.0013	0.0002	0.00013
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.00019	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00241	0.000776	<0.000122	0.000594	0.000162 J	0.00011	0.000093 J	0.000066 J
Phenol	*7.3*	*22*													<0.0000377				
Pyrene	*0.73*	*2.2*	0.00045 J	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00087	0.000336 J	<0.000175	0.000201 J	<0.000109	<0.000019	0.000076 J	0.00003 J
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-02 01/11/2017	MW-02 07/13/2017	MW-02 01/04/2018	MW-02 07/18/2018	MW-02 01/07/2019	MW-02 07/02/2019	MW-02 01/14/2020	MW-02 07/14/2020	MW-02 01/06/2021	MW-02 07/06/2021	MW-02 01/03/2022	MW-02 07/05/2022	MW-02 01/03/2023	MW-02 07/05/2023	MW-02 01/02/2024	MW-02 07/22/2024	MW-03 01/30/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	<0.00052
Benzene	*0.005*	*0.005*																	<0.00025
Chlorobenzene	*0.1*	*0.1*																	<0.00047
Ethylbenzene	*0.7*	*0.7*																	<0.00025
Methylene chloride	*0.005*	*0.005*																	<0.00054
Toluene	*1*	*1*																	<0.00041
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	<0.00127
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*																	<0.0003
2,4-Dinitrotoluene	*0.0013*	*0.003*																	<0.0002
2,6-Dinitrotoluene	*0.0013*	*0.003*																	<0.0002
2-Chloronaphthalene	*2*	*5.8*																	<0.0004
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00093	0.0051	0.00038	<0.000019	0.00011	<0.000019	0.00081	<0.000019	<0.000019	<0.000019	0.00081	0.000068 J	0.00033	0.00010	0.0016	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	<0.0002
4-Nitrophenol	*0.049*	*0.15*																	<0.00025
Acenaphthene	*1.5*	*4.4*	0.0035	0.0064	0.015	0.0048	0.0016	0.0019	0.003	0.0055	0.0041	<0.000027	<0.000027	0.0063	0.0046	0.0035	0.015	0.016	0.118
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.00018	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000063 J	<0.000015	<0.000015	0.000082 J	<0.000015	0.000059 J	<0.000015	<0.00015	<0.0003
Anthracene	*7.3*	*22*	0.0001	0.00016	0.00036	0.0002	0.00012	0.000064 J	0.00011	0.00014	0.000078 J	<0.000014	0.000017 J	0.00011	0.000076 J	0.00011	0.00023	0.00036 J	0.00172
Benzo(a)anthracene	*0.0091*	*0.02*																	<0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*																	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	<0.0004
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00011 J	<0.000037	<0.00016	<0.000038	<0.000063	<0.00015	<0.000037	0.000062 J	<0.000078	<0.00011	<0.000047	0.000057 J	<0.000037	<0.000037	<0.000037	<0.00037	0.001 J
Chrysene	*0.91*	*2*																	<0.0002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.0019	0.0023	0.0019	0.0016	0.00046	0.00041	0.00039	0.0006	0.00049	<0.00002	0.00029	0.00089	0.00045	0.00039	0.00068	0.0004 J	0.00415
Fluoranthene	*0.98*	*2.9*	0.00029	0.00025	0.00071	0.00019	0.00011	0.000071 J	0.00024	0.00039	0.00017	0.000055 J	0.00026	0.00038	0.00034	0.00042	0.00039	0.00076 J	0.0125
Fluorene	*0.98*	*2.9*	0.0016	0.0041	0.0099	0.0029	0.00081	0.00097	0.0017	0.0033	0.002	<0.00003	0.00034	0.0031	0.0025	0.0014	0.0095	0.0088	0.058
N-Nitrosodiphenylamine	*0.19*	*0.42*																	<0.00025
Naphthalene	*0.49*	*1.5*	<0.00002	0.00047	0.00015	0.00025	<0.00002	0.00011	<0.00002	<0.00015	0.000041 J	<0.00002	<0.00002	0.00049	0.000052 J	0.00025	0.00010	0.0019	0.000872
Nitrobenzene	*0.049*	*0.15*																	<0.0004
Pentachlorophenol	*0.001*	*0.001*																	<0.0002
Phenanthrene	*0.73*	*2.2*	<0.000021	0.0005	0.0011	0.00035	0.000041 J	0.000054 J	0.00011	0.00032	0.000038 J	<0.000021	<0.000021	0.00041	0.000073 J	0.00032	0.00022	0.00063 J	0.000592
Phenol	*7.3*	*22*																	<0.0002
Pyrene	*0.73*	*2.2*	0.00017	0.00011	0.00032	0.000082 J	0.000057 J	0.000037 J	0.00011	0.00023	0.000091 J	<0.000019	0.00012	0.0002	0.00018	0.00026	0.00020	0.00037 J	0.00538
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-03 01/24/2018	MW-03 03/27/2018	MW-03 05/25/2018	MW-03 01/09/2019	MW-03 07/12/2019	MW-03 01/21/2020	MW-03 07/15/2020	MW-03 01/14/2021	MW-03 07/15/2021	MW-03 01/26/2022	MW-03 07/13/2022	MW-03 01/18/2023	MW-03 07/10/2023	MW-03 01/18/2024	MW-03 08/05/2024	MW-04 01/29/2008	MW-04 01/24/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.00025	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	<0.00025	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	<0.00041	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.00127	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.000041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.000043
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000035	0.000045 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000047 J	<0.00038	0.00008 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.000048
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.00021	<0.000027	<0.000027	0.000061 J	0.0007	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.0044	<0.00029	0.00013
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000022 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	0.000055 J	0.000069 J	0.0001	<0.000014	0.000035 J	<0.000014	0.000057 J	<0.000014	<0.000014	<0.000014	0.000073 J	0.000739	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000024 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.000031
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000083 J	<0.000037	<0.000037	<0.000037	<0.000037	0.00011 J	<0.000095	0.00063	0.000055 J	<0.000037	0.00029	<0.000037	0.00007 J	<0.000037	<0.000037	0.00029 J	0.00008 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000029 J	<0.000054	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00042	<0.00002	<0.00002	<0.00019	0.00003 J
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00013	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00081	<0.00029	0.000072 J
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000055 J	0.0002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0004	0.00045 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00012	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0015	<0.00019	0.000075 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.000026
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	<0.00024	0.000081 J	<0.00002	0.00038	<0.00015	0.000075 J	0.000023 J	<0.00002	<0.00002	0.00031	<0.00038	0.0013
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.000081
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000038 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000069	0.00037 J	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.000036
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	0.00002 J	0.000036 J	0.0001	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.0002	<0.00019	0.00003 J
Metals																			
Arsenic	*0.01*	*0.01*	0.000895 J	0.00242	0.00363	**0.0191**	0.000582 J	0.00207	0.00187 J	0.00138 J	0.00371	<0.0004	0.00064 J	0.000455 J	0.000631 J	0.00174 J	<0.000782 J		0.00454

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-04 03/23/2018	MW-04 05/25/2018	MW-04 01/09/2019	MW-04 07/12/2019	MW-04 01/21/2020	MW-04 07/15/2020	MW-04 01/14/2021	MW-04 07/15/2021	MW-04 01/20/2022	MW-04 07/14/2022	MW-04 01/18/2023	MW-04 07/10/2023	MW-04 02/07/2024	MW-04 8/5/2024	MW-05 01/29/2008	MW-05 07/27/2011	MW-05 02/02/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052	<0.001	<0.001
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.00025	<0.001	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.385	<0.00025	<0.0011	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054	<0.0013	<0.0013
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	<0.00041	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.00127	<0.0031	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00011 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000059	0.00026	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00038	<0.00005	0.000085 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00031	<0.000027	0.00052	0.00015	0.00011	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000545	0.0053	0.00034
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<0.000014	0.000054 J	0.000079 J	<0.000014	0.0001	0.00014	<0.000014	<0.000014	<0.000014	<0.000014	0.000079 J	<0.000014	<0.000014	0.00013	0.000811	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	0.000033 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	0.0018	0.00034	0.00061	<0.000037	<0.000037	<0.00099	<0.000037	<0.000037	<0.000037	<0.000037	0.00034 J	0.00047	<0.0001
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	0.000034 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000059	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	0.00013 J	<0.00002	<0.000047	<0.00019	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.000058	0.000097 J	0.00004 J	<0.00002	<0.00002	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	0.000036 J	<0.00029	0.0022	0.00011 J
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	0.00029	<0.000067	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000026 J	0.00047 J	0.00011 J	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	0.000059 J	<0.00003	0.000053 J	0.000067 J	0.00005 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0002 J	0.0012	0.00012 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	0.00055	<0.00002	<0.00002	<0.00053	0.0013	0.00007 J	<0.00002	0.000042 J	<0.00002	<0.000059	0.000043 J	<0.00002	<0.00002	<0.000048	<0.00038	<0.00005	0.00087
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.000099 J	<0.000021	<0.000021	<0.000021	0.00017	0.000029 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000056	0.00039 J	0.00013 J	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	0.00011	<0.000019	0.00016	0.0002	0.000036 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000024 J	0.00045 J	0.00014 J	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*	0.00092 J	0.00492	0.000963 J	**0.0127**	0.00223	0.00365	0.00198 J	0.00399	0.00238	0.00232	<0.0004	0.000764 J	0.00261	0.00349			

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-05 07/25/2012	MW-05 02/05/2013	MW-05 08/01/2013	MW-05 01/15/2014	MW-05 07/29/2014	MW-05 01/24/2018	MW-05 03/20/2018	MW-05 05/24/2018	MW-05 01/09/2019	MW-05 07/11/2019	MW-05 01/13/2020	MW-05 07/14/2020	MW-05 01/13/2021	MW-05 07/08/2021	MW-05 01/20/2022	MW-05 07/13/2022	MW-05 01/19/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.000137	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*		<0.00011															
Xylenes (total)	*10*	*10*	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.000292	<0.000295	<0.000292	<0.000304	<0.00004	<0.00004	<0.00004	<0.00004	<0.000059	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00032
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	0.000468 J	<0.0000667	0.000187 J	<0.0000686	<0.000019	<0.000019	<0.000019	<0.000019	0.000087 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000033 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000783	<0.00079	<0.000783	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.000528	<0.000533	<0.000528	<0.000549	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	<0.0000755	0.000521	0.000194 J	<0.0000784	<0.000027	<0.000027	0.00023	<0.000027	0.00043	<0.000027	<0.000027	<0.000027	<0.000027	0.000068 J	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.0000566	<0.0000571	<0.0000566	<0.0000588	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	0.000621	0.000427 J	0.000411 J	0.000153 J	0.000037 J	<0.000014	0.000045 J	<0.000014	0.000097 J	<0.000014	0.000059 J	0.000016 J	<0.000014	<0.000014	0.000059 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00019 J	<0.000349	<0.000352	<0.000349	<0.000363	0.00011 J	<0.000037	0.00013 J	<0.000037	<0.000037	<0.000037	<0.000066	0.000098 J	<0.00021	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000065 J	<0.000104	<0.000105	<0.000104	<0.000108	0.000033 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	0.000031 J	0.000032 J	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.0000755	0.0000828 J	0.000162 J	<0.0000784	<0.00002	<0.00002	0.000024 J	<0.00002	0.000051 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000023 J
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.000066	0.0000761 J	<0.000066	<0.0000686	0.000051 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000044	0.000017	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	<0.000066	0.000166 J	0.000176 J	<0.0000686	<0.00003	<0.00003	0.000039 J	<0.00003	0.000064 J	<0.00003	0.000047 J	<0.00003	0.000051	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00005	0.00133	0.000573 J	0.000969 J	<0.000131	0.0001	<0.00002	<0.00002	<0.00002	<0.00071	<0.00012	<0.00002	<0.00002	0.00019	<0.00002	<0.00002	0.00027
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000575	<0.000581	<0.000575	<0.000598	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	0.000143 J	<0.0000571	0.000507	<0.0000588	0.000054 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00007 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	0.000193 J	<0.0000381	<0.0000377	<0.0000392	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.000104	0.000154 J	<0.000104	<0.000108	0.000047 J	<0.000019	0.00019	<0.000019	0.00019	<0.000019	0.00011	<0.000019	0.00011	0.000074 J	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*						0.00588	0.00255	0.00488	0.00387	**0.0171**	0.00146 J	**0.0111**	0.00498	0.00372	0.00383	0.00519	0.0027

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-05 07/10/2023	MW-05 01/18/2024	MW-05 08/02/2024	MW-07 01/29/2008	MW-07 07/16/2008	MW-07 01/22/2009	MW-07 07/22/2009	MW-07 01/22/2010	MW-07 07/14/2010	MW-07 01/12/2011	MW-07 01/12/2011	MW-07 07/12/2011	MW-07 01/31/2012	MW-07 07/11/2012	MW-07 01/10/2013	MW-07 07/11/2013	MW-07 01/09/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.000372		<0.00052												
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.00046		<0.00025												
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.000455		<0.00047												
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.000385		<0.00025												
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00173		<0.00054												
Toluene	*1*	*1*	<0.0002	<0.0002	<0.000475		<0.00041												
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.00124		<0.00127												
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021														
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004														
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058														
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042														
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021														
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.00038	<0.00039	<0.0008	<0.0009	<0.0009	<0.0009		<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000704	R
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002														
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047														
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.00042	<0.00028	<0.00029	<0.0008	<0.0009	<0.0009	<0.0009		<0.0009	<0.0005	<0.0005	<0.0005	0.00181	<0.0000804	R
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.00028	0.00044 J	<0.0007	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	0.00011 J	<0.0000603	R
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000039 J	0.000516	0.000982	<0.0007	<0.0006	<0.0006	<0.0006		<0.0006	<0.0005	<0.0005	<0.0005	0.000833	0.000749	R
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005														
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002														
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003														
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.00019	<0.00019	<0.0012	<0.0033	<0.0033	0.0049 J		<0.0033	<0.0005	<0.0005	<0.0005	<0.000349	<0.000372	R
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021														
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00012 J	<0.00002	0.00005 J														
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000044 J	<0.00028	<0.00029	<0.0007	<0.0007	<0.0007	<0.0007		<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000804	R
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000033 J	<0.00019	<0.00019	<0.0006	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000704	R
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000057 J	<0.00019	<0.00019	<0.0008	<0.0006	<0.0006	<0.0006		<0.0006	<0.0005	<0.0005	<0.0005	0.000137 J	<0.0000704	R
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025														
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.00012	<0.00038	0.000675	<0.0008	<0.0006	<0.0006	<0.0006		<0.0006	<0.0005	<0.0005	<0.0005	<0.0000755	0.000111 J	R
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024														
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079														
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000071 J	<0.00019	0.00036 J	<0.0007	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000603	R
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035														
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00039	<0.00019	<0.00019	<0.0009	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000111	R
Metals																			
Arsenic	*0.01*	*0.01*	0.00969	0.00229	**0.0134**														

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-07 07/03/2014	MW-07 01/07/2015	MW-07 07/08/2015	MW-07 01/12/2016	MW-07 07/07/2016	MW-07 01/12/2017	MW-07 07/13/2017	MW-07 01/04/2018	MW-07 07/19/2018	MW-07 01/08/2019	MW-07 07/01/2019	MW-07 07/01/2019 Duplicate	MW-07 01/13/2020	MW-07 07/14/2020	MW-07 01/06/2021	MW-07 07/06/2021	MW-07 01/04/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.000066	<0.0000693	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000023 J	0.000066 J	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.0000755	<0.0000792	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000696	0.000271 J	0.00014	0.000085 J	0.000055 J	0.00025	<0.000014	0.00014	0.00036	<0.000014	0.00014	0.00029	<0.000014	<0.000014	0.000021 J	<0.000014	0.00006 J
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000349	0.000944	<0.00024	0.00024	<0.000037	0.00011 J	<0.000037	<0.000088	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00036	<0.000081
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000104																
Dibenzofuran	*0.098*	*0.29*	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000057 J	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.000066	0.000189 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0001	<0.00001	<0.00001	0.000068 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.000066	0.0000792 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00025	0.00017	<0.00012	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.0000566	<0.0000594	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.0000377																
Pyrene	*0.73*	*2.2*	<0.000104	0.000142 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00007 J	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-07 07/06/2022	MW-07 01/04/2023	MW-07 07/05/2023	MW-07 01/03/2024	MW-07 07/22/2024	MW-08 01/29/2008	MW-08 07/16/2008	MW-08 01/22/2009	MW-08 07/22/2009	MW-08 01/22/2010	MW-08 07/14/2010	MW-08 01/12/2011	MW-08 01/12/2011 Duplicate	MW-08 07/12/2011	MW-08 01/31/2012	MW-08 07/11/2012	MW-08 01/10/2013
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*							<0.00109										
Benzene	*0.005*	*0.005*							<0.00112										
Chlorobenzene	*0.1*	*0.1*							<0.0015										
Ethylbenzene	*0.7*	*0.7*							<0.00142										
Methylene chloride	*0.005*	*0.005*							<0.00122										
Toluene	*1*	*1*							<0.00138										
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*							<0.00302										
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00044	<0.0004	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.000066
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.000071 J	<0.000027	<0.000027	<0.00033	<0.0003	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0000755
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.000037 J	<0.000015	<0.000015	<0.00033	0.00044 J	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000073 J	0.00020	0.000034 J	0.00031 J	0.000669	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	0.000439 J
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000068	<0.000037	<0.000037	<0.000037	<0.000037	<0.00022	<0.0002	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	<0.000349
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00033	<0.0003	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.00007 J	<0.00001	<0.00001	<0.00022	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000088 J	<0.00003	<0.00003	<0.00022	<0.0002	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.000066
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	0.000091 J	<0.00002	0.000094 J	<0.00002	0.000048 J	<0.00044	0.000654	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000755
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.00028	<0.000021	<0.000021	<0.00022	0.00036 J	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566
Phenol	*7.3*	*22*																	
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00011	<0.000019	<0.000019	<0.00022	<0.0002	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-08 07/11/2013	MW-08 01/09/2014	MW-08 07/03/2014	MW-08 01/07/2015	MW-08 07/08/2015	MW-08 01/12/2016	MW-08 07/07/2016	MW-08 01/12/2017	MW-08 07/13/2017	MW-08 01/04/2018	MW-08 07/19/2018	MW-08 01/07/2019	MW-08 07/01/2019	MW-08 01/13/2020	MW-08 07/14/2020	MW-08 01/06/2021	MW-08 07/06/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.0000686	<0.0000648	<0.000066	<0.0000693	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000033 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.0000784	<0.0000741	<0.0000755	<0.0000792	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00067	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00031
Acenaphthylene	*1.5*	*4.4*	<0.0000588	<0.0000556	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000101 J	0.000494	<0.0000472	0.000056 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000045 J	0.000048 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000363	<0.000343	<0.000349	<0.000366	<0.00013	<0.000037	<0.000037	0.00018 J	<0.000037	<0.000097	<0.000037	<0.000037	<0.000037	0.00021	<0.000037	<0.000045	<0.000067
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*			<0.000104														
Dibenzofuran	*0.098*	*0.29*	<0.0000784	<0.0000741	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0000686	<0.0000648	<0.000066	<0.0000693	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000031 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0000686	<0.0000648	<0.000066	<0.0000693	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00017	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00011
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.0000784	<0.0000741	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.0000588	0.0000637 J	<0.0000566	<0.0000594	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000023 J	<0.000021	<0.000021	0.000046 J	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*			<0.0000377														
Pyrene	*0.73*	*2.2*	<0.000108	<0.000102	<0.000104	<0.000109	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-08 01/03/2022	MW-08 07/05/2022	MW-08 01/03/2023	MW-08 07/06/2023	MW-08 01/03/2024	MW-08 07/23/2024	MW-09 01/29/2008	MW-09 07/27/2011	MW-09 02/02/2012	MW-09 07/25/2012	MW-09 04/01/2013	MW-09 01/24/2018	MW-09 03/23/2018	MW-09 05/24/2018	MW-09 01/09/2019	MW-09 07/12/2019	MW-09 01/14/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*							<0.00052	<0.001	<0.001	<0.0005	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*							<0.00025	<0.001	<0.001	<0.0005	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*							<0.00047	<0.001	<0.001	<0.0005	<0.00012	<0.0003	<0.0003	<0.0003	0.0041	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*							<0.00025	<0.0011	<0.0011	<0.0005	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*							<0.00054	<0.0013	<0.0013	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*							<0.00041	<0.001	<0.001	<0.0005	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*							<0.00127	<0.0031	<0.0031	<0.0015	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*							<0.00008	<0.00005	<0.00005	<0.00005	<0.000106	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*							<0.00029	<0.00005	<0.00005	<0.00005	<0.000298	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*							<0.00019	<0.00005	<0.00005	<0.00005	<0.000125	<0.000059	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*							<0.00019	<0.00006	<0.00006	<0.00006	<0.0000769	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*							<0.00038	<0.00005	<0.00005	<0.00005	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000038 J	<0.00038	<0.00005	<0.00005	<0.00005	0.000115 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*							<0.00019	<0.00008	<0.00008	<0.00008	<0.000798	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*							<0.00024	<0.00005	<0.00005	<0.00005	<0.000538	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00033	<0.00029	<0.00005	<0.00005	<0.00005	0.000188 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00005	<0.00005	<0.00005	<0.0000577	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00019	0.00036	<0.00005	<0.00005	0.000471 J	<0.000014	0.00013	0.0001	0.000093 J	0.000061 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*							<0.00019	<0.00005	<0.00005	<0.00005	<0.0000769	<0.000051	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*							<0.00019	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*							<0.00038	<0.00005	<0.00005	<0.00005	<0.000125	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000038	<0.000037	0.000061 J	<0.000037	<0.000037	<0.000037	0.00034 J	0.00018 J	<0.00032	0.00022	<0.000356	0.000082 J	<0.000037	0.00011 J	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*							<0.00019	<0.00005	<0.00005	<0.00005	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*							<0.00019	<0.00005	<0.00005	0.000074 J	0.000123 J	<0.00002	<0.00002	0.000031 J	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000032 J	<0.00029	<0.00005	<0.00005	<0.00005	0.000126 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	0.000038 J	<0.00001	0.00045 J	<0.00005	<0.00005	<0.00005	<0.0000673	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00016	<0.00019	<0.00005	<0.00005	<0.00005	<0.0000673	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*							<0.00024	<0.00005	<0.00005	<0.00005	<0.0000962	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	0.00012	<0.00002	<0.00002	<0.00002	0.00017	<0.00038	<0.00005	<0.00005	<0.00005	0.00431 J	<0.00002	0.00039	0.00008 J	<0.00002	<0.00015	0.00011
Nitrobenzene	*0.049*	*0.15*							<0.00038	<0.00005	<0.00005	<0.00005	<0.000106	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*							<0.00019	<0.00005	<0.00005	<0.00005	<0.000587	<0.00008	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000541	<0.00005	<0.00005	<0.00005	<0.0000577	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*							<0.00019	<0.00005	<0.000098	<0.00005	<0.0000385	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	0.00006 J	<0.000019	<0.00019	<0.00005	<0.00005	<0.00005	<0.000106	<0.000019	<0.000019	0.00004 J	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*												0.00104 J	0.0012 J	0.00085 J	0.00202	0.000901 J	0.0043

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-09 07/15/2020	MW-09 01/13/2021	MW-09 07/15/2021	MW-09 07/20/2021	MW-09 01/20/2022	MW-09 07/13/2022	MW-09 01/19/2023	MW-09 07/10/2023	MW-09 01/18/2024	MW-09 08/09/2024	MW-10A 01/28/2008	MW-10A 07/16/2008	MW-10A 01/22/2009	MW-10A 07/22/2009	MW-10A 01/21/2010	MW-10A 07/13/2010	MW-10A 01/11/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372		<0.00052					
Benzene	*0.005*	*0.005*	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046		<0.00025					
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455		<0.00047					
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385		<0.00025					
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173		<0.00054					
Toluene	*1*	*1*	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475		<0.00041					
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124		<0.00127					
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021							
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004		0.00033	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004							
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058		<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058							
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042		<0.000042	<0.000042	<0.000042	0.000071 J	<0.000042	<0.000042	<0.000042							
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021							
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019		<0.000019	<0.000019	0.000024 J	<0.000019	<0.000019	<0.000019	0.000028 J	<0.0004	<0.00038	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002							
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047							
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027		<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0003	<0.00029	<0.0008	<0.0009	<0.0009	<0.0009	0.0017 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015		<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003	<0.00029	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Anthracene	*7.3*	*22*	0.000035 J	0.000077 J		0.000065 J	<0.000014	0.0002	<0.000014	<0.000014	<0.000014	0.000033 J	<0.0002	<0.00019	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005							
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000043 J		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002							
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003							
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00004	0.000058 J		<0.000037	<0.000037	0.00049	<0.000037	<0.000037	<0.000037	<0.000037	<0.0002	0.0002 J	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033
Chrysene	*0.91*	*2*	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021							
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000034	0.00014 J		<0.00002	<0.00002	0.00003 J	<0.00002	0.00012 J	<0.00002	<0.000023							
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000031 J	<0.0003	<0.00029	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0002	<0.00019	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0002	<0.00019	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025							
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002		0.0002	<0.00002	0.00004 J	0.000045 J	<0.00002	<0.00002	0.00015	<0.0004	<0.00038	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024		<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024							
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079		<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079							
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000032	<0.0002	<0.00019	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	*7.3*	*22*	<0.000035	<0.000035		0.00065	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035							
Pyrene	*0.73*	*2.2*	0.000031 J	<0.000019		<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0002	<0.00019	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005
Metals																			
Arsenic	*0.01*	*0.01*	0.00287	<0.00181		0.00386	0.00147 J	0.00072 J	0.00124 J	0.000923 J	0.00112 J	<0.00112							

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-10A 07/13/2011	MW-10A 01/30/2012	MW-10A 07/10/2012	MW-10A 01/09/2013	MW-10A 07/11/2013	MW-10A 01/08/2014	MW-10A 07/15/2014	MW-10A 01/07/2015	MW-10A 07/07/2015	MW-10A 01/12/2016	MW-10A 07/07/2016	MW-10A 01/11/2017	MW-10A 07/13/2017	MW-10A 01/04/2018	MW-10A 07/18/2018	MW-10A 01/07/2019	MW-10A 07/02/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.0005	<0.0005	<0.0005	<0.0000667	0.00178	<0.0000648	0.00262 J	<0.0000693	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.0005	<0.0005	0.0016 J	<0.0000762	0.0306	<0.0000741	0.0306	0.00272	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0005	<0.0005	<0.0005	<0.0000571	0.000385 J	<0.0000556	<0.000566	0.000126 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0005	<0.0005	<0.0005	0.000468 J	0.00036 J	<0.0000463	<0.000472	0.000191 J	0.000069 J	<0.000014	0.000073 J	0.000057 J	<0.000014	<0.000014	<0.000014	0.000065 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0005	<0.0005	<0.0005	0.00171	<0.000356	<0.000343	<0.00349	<0.000366	<0.00088	<0.000096	0.000097 J	0.000088 J	<0.000037	<0.000057	<0.0001	<0.000089	<0.000037
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	
Dibenzofuran	*0.098*	*0.29*	<0.0005	<0.0005	<0.0005	<0.0000762	0.00866	<0.0000741	0.00862	0.000349 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0005	<0.0005	<0.0005	<0.0000667	0.000186 J	<0.0000648	<0.00066	<0.0000693	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0005	<0.0005	<0.0005	<0.0000667	0.00631	<0.0000648	0.0111	0.000694	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	0.000038 J	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.0005	<0.0005	<0.0005	<0.0000762	0.199	<0.0000741	0.199	0.000322 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000043 J
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.0005	<0.0005	<0.0005	<0.0000571	0.00221	<0.0000556	0.00442 J	0.000126 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*																	
Pyrene	*0.73*	*2.2*	<0.0005	<0.0005	<0.0005	<0.000105	<0.000106	<0.000102	<0.00104	<0.000109	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-10A 01/14/2020	MW-10A 07/14/2020	MW-10A 01/06/2021	MW-10A 07/06/2021	MW-10A 01/03/2022	MW-10A 07/05/2022	MW-10A 01/03/2023	MW-10A 07/05/2023	MW-10A 01/02/2024	MW-10A 07/22/2024	MW-10B 01/28/2008	MW-10B 07/16/2008	MW-10B 01/22/2009	MW-10B 07/22/2009	MW-10B 01/21/2010	MW-10B 07/13/2010	MW-10B 01/11/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*												<0.00052					
Benzene	*0.005*	*0.005*												<0.00025					
Chlorobenzene	*0.1*	*0.1*												<0.00047					
Ethylbenzene	*0.7*	*0.7*												<0.00025					
Methylene chloride	*0.005*	*0.005*												<0.00054					
Toluene	*1*	*1*												<0.00041					
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*												<0.00127					
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*			0.00033	0.00033													
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00016	<0.000019	0.000044 J	<0.000019	0.00091							
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.00011	<0.000027	0.000084 J	<0.000027	<0.000027	0.0004	<0.000027	0.00011	0.00018	0.0027	0.0743	0.0975	0.096	<0.0009	0.052	0.069	0.096
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000034 J	<0.000015	0.000076 J	0.00122	0.00113	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000021 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000039 J	<0.000014	0.000049 J	0.00432	0.00484	0.0043 J	0.0029 J	0.0025 J	0.0038 J	0.0068
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00011 J	<0.000037	<0.00026	<0.000051	0.00011 J	<0.000037	0.000071 J	0.000054 J	<0.000037	<0.00019	0.0002 J	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*											<0.00019	<0.0002	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000056 J	<0.00002	<0.00002	<0.00002	0.0013	0.0255	0.0392	0.035	0.023	0.018	0.025	0.037
Fluoranthene	*0.98*	*2.9*	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000062 J	<0.00001	<0.00001	0.00371	0.00397	0.0039 J	0.0022 J	0.0017 J	0.0026 J	0.0054
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000051 J	<0.00003	<0.00003	0.00013	<0.00003	0.0001	<0.00003	0.0013	0.0374	0.0457	0.051	<0.0006	0.031	0.041	0.059
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00021	<0.00002	0.00023	<0.00002	0.067	0.0185	0.014	0.0028 J	0.0082	0.0037 J	0.056	0.075
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00029	<0.000021	0.0003							
Phenol	*7.3*	*22*											<0.00019	<0.0002	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00012	<0.000019	<0.000019	0.00146	0.00174	0.002 J	0.0013 J	<0.0005	0.001 J	0.0023 J
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
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3. Concentrations > C/I AL and non-detects are highlighted dark gray
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5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-10B 07/13/2011	MW-10B 01/30/2012	MW-10B 07/10/2012	MW-10B 01/09/2013	MW-10B 07/11/2013	MW-10B 10/14/2013	MW-10B 01/08/2014	MW-10B 07/15/2014	MW-10B 01/07/2015	MW-10B 01/29/2015	MW-10B 07/07/2015	MW-10B 01/12/2016	MW-10B 07/07/2016	MW-10B 01/11/2017	MW-10B 07/13/2017	MW-10B 01/04/2018	MW-10B 07/18/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*																	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.054	0.1	0.054	0.12	0.977		<0.0000741	0.0777	0.166	0.0507	0.084	0.11	0.053	0.12	0.051	0.093	0.056
Acenaphthylene	*1.5*	*4.4*	<0.0005	0.0011 J	<0.0005	0.00108	0.00986		<0.000536	<0.000566	0.00104	0.000597	0.00048	0.00054	0.00032	0.00065	0.00033	0.00068	0.00053
Anthracene	*7.3*	*22*	0.0033 J	0.0057	0.0032 J	0.00546	0.0391		<0.00107	0.00352 J	0.00702	0.00179	0.003	0.0057	0.0027	0.0056	0.0023	0.0052	0.0024
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0013 J	<0.0005	<0.0005	<0.000349	<0.0037		0.000408 J	<0.00349	<0.000366	<0.000366	<0.00014	<0.000037	0.00025	0.00022	0.00028	<0.000059	<0.000064
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0005	<0.0005	<0.0005	<0.000104	<0.011		0.000275 J	<0.00104	<0.000215	<0.000109	<0.000078	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.019	0.038	0.02	0.0401	**0.302**	0.0334	<0.00493	0.0258	0.0727	0.0129	0.032	0.049	0.019	0.052	0.021	0.048	0.021
Fluoranthene	*0.98*	*2.9*	0.0023 J	0.0046 J	0.0028 J	0.00427	0.0274		<0.000117	0.00211 J	0.00711	0.00117	0.0023	0.0045	0.0023	0.0047	0.0022	0.0053	0.0022
Fluorene	*0.98*	*2.9*	0.032	0.06	0.031	0.0652	0.468		<0.00429	0.0424	0.0975	0.0202	0.047	0.064	0.029	0.068	0.034	0.06	0.031
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	0.0018 J	0.084	0.004 J	0.00399	0.207		0.0646	0.125	**0.556**	0.0247	0.077	0.1	0.0054	0.021	0.0033	0.0013	0.00074
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*																	
Phenol	*7.3*	*22*	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0004		<0.000037	<0.000377	<0.0000396	<0.0000396	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0011 J	0.002 J	0.0011 J	0.00146	0.0101		<0.000102	<0.00104	0.00234	0.000392 J	0.00095	0.0024	0.0009	0.0022	0.00087	0.0019	0.00088
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:
1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-10B 01/07/2019	MW-10B 07/02/2019	MW-10B 01/14/2020	MW-10B 07/14/2020	MW-10B 01/06/2021	MW-10B 07/06/2021	MW-10B 01/03/2022	MW-10B 07/05/2022	MW-10B 01/03/2023	MW-10B 07/05/2023	MW-10B 01/02/2024	MW-10B 07/22/2024	MW-11A 01/28/2008	MW-11A 07/16/2008	MW-11A 01/22/2009	MW-11A 07/22/2009	MW-11A 01/21/2010
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*														<0.00052			
Benzene	*0.005*	*0.005*														<0.00025			
Chlorobenzene	*0.1*	*0.1*														<0.00047			
Ethylbenzene	*0.7*	*0.7*														<0.00025			
Methylene chloride	*0.005*	*0.005*														<0.00054			
Toluene	*1*	*1*														<0.00041			
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*														<0.00127			
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*													<0.00038	<0.0004	<0.0008	<0.0009	<0.0009
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.07	0.042	0.069	0.029	0.05	0.01	0.042	0.012	0.023	0.015	0.013	0.02	0.0346	0.02	0.0076	<0.0009	<0.0009
Acenaphthylene	*1.5*	*4.4*	0.00059	0.00031	0.00066	0.00028	0.00039	0.00015	0.00036	0.000098 J	0.00012	0.00014	0.00011	0.0002 J	<0.00029	<0.0003	<0.0007	<0.0005	<0.0005
Anthracene	*7.3*	*22*	0.0041	0.0012	0.0028	0.00094	0.0022	0.00028	0.001	0.00067	0.0006	0.00051	0.00036	0.00081 J	0.000798	0.00054	<0.0007	<0.0006	<0.0006
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00035	<0.000037	0.0002	0.00016 J	<0.0001	0.0016	<0.0001	0.00022	<0.000037	0.000055 J	<0.000037	<0.00037	0.00028 J	<0.0002	<0.0012	<0.0033	<0.0033
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.000065 J	<0.000046	0.00029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002					
Dibenzofuran	*0.098*	*0.29*	0.028	0.013	0.022	0.0067	0.017	0.0019	0.0061	0.0028	0.0019	0.0024	0.0014	0.006	0.00276	<0.0003	<0.0007	<0.0007	<0.0007
Fluoranthene	*0.98*	*2.9*	0.0038	0.0012	0.0029	0.0015	0.0024	0.0005	0.0017	0.001	0.0011	0.00089	0.00072	0.0013	0.00338	0.00387	0.0012 J	0.0011 J	<0.0005
Fluorene	*0.98*	*2.9*	0.04	0.018	0.036	0.014	0.029	0.0018	0.017	0.0056	0.005	0.0051	0.0056	0.01	0.0069	0.00089	<0.0008	<0.0006	<0.0006
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	0.00056	0.00023	0.0021	<0.00066	0.0014	<0.000065	0.00028	0.00019	0.000099 J	0.00018	0.00014	0.044	<0.00038	<0.0004	<0.0008	<0.0006	<0.0006
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*													0.00036 J	<0.0002	<0.0007	<0.0005	<0.0005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	0.00012 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035					
Pyrene	*0.73*	*2.2*	0.0018	0.00049	0.0013	0.00069	0.0011	0.00021	0.00075	0.00044	0.00046	0.00046	0.00053	0.00062 J	0.00191	0.00184	<0.0009	<0.0005	<0.0005
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-11A 07/13/2010	MW-11A 01/11/2011	MW-11A 07/12/2011	MW-11A 01/30/2012	MW-11A 07/10/2012	MW-11A 01/09/2013	MW-11A 07/11/2013	MW-11A 01/08/2014	MW-11A 07/02/2014	MW-11A 01/07/2015	MW-11A 07/07/2015	MW-11A 01/12/2016	MW-11A 07/07/2016	MW-11A 01/11/2017	MW-11A 07/12/2017	MW-11A 01/03/2018	MW-11A 07/18/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000673	<0.0000648	<0.000066	<0.0000673	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.0028 J	<0.0009	<0.0005	<0.0005	<0.0005	0.00175	0.000878	<0.0000741	0.00427	0.000471 J	0.00025	<0.000027	0.0001	<0.000028	<0.000027	<0.000027	0.0017
Acenaphthylene	*1.5*	*4.4*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000577	<0.0001	0.000185 J	<0.0000577	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	0.000499	0.00044 J	<0.00125	0.00126	0.000399 J	0.00017	0.0001	0.00026	0.00021	<0.000014	<0.000014	0.00019
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	<0.000349	<0.000356	0.00046 J	0.00516	<0.000356	<0.00068	<0.000073	0.00038	0.00025	0.00017 J	<0.000073	0.0007
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*									0.000109 J								
Dibenzofuran	*0.098*	*0.29*	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000769	<0.0000741	0.000618	<0.0000769	0.00012	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00027
Fluoranthene	*0.98*	*2.9*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	0.000221 J	<0.0000795	0.00215	<0.0000673	0.00028	<0.00001	0.00065	0.000049 J	0.00015	<0.00001	0.00023
Fluorene	*0.98*	*2.9*	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000673	<0.0000648	0.00149	<0.0000673	0.00011	<0.00003	0.00013	<0.000031	<0.00003	<0.00003	0.00083
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000769	<0.0000741	0.000343 J	<0.0000769	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00012
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000577	<0.0000556	0.000384 J	<0.0000577	<0.000021	<0.000021	<0.000021	0.000067 J	<0.000021	<0.000021	0.000086 J
Phenol	*7.3*	*22*									<0.0000377								
Pyrene	*0.73*	*2.2*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	0.000115 J	<0.000102	0.00194	<0.000106	0.00023	<0.000019	0.00073	<0.00002	<0.000019	<0.000019	0.00022
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
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TABLE 2
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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-11A 01/07/2019	MW-11A 07/02/2019	MW-11A 01/14/2020	MW-11A 07/14/2020	MW-11A 01/06/2021	MW-11A 07/06/2021	MW-11A 01/03/2022	MW-11A 07/05/2022	MW-11A 01/03/2023	MW-11A 07/05/2023	MW-11A 01/02/2024	MW-11A 07/22/2024	MW-11B 01/28/2008	MW-11B 07/16/2008	MW-11B 01/22/2009	MW-11B 07/22/2009	MW-11B 01/21/2010
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*														<0.00052			
Benzene	*0.005*	*0.005*														<0.00025			
Chlorobenzene	*0.1*	*0.1*														<0.00047			
Ethylbenzene	*0.7*	*0.7*														<0.00025			
Methylene chloride	*0.005*	*0.005*														<0.00054			
Toluene	*1*	*1*														<0.00041			
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*														<0.00127			
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*					0.00033	0.00012											
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000055 J	<0.000019	<0.000019	<0.000019	0.00016					
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00025	<0.000027	<0.000027	0.00012	<0.000027	0.00016	<0.000027	<0.000027	0.000038 J	<0.000027	0.000079 J	0.0649	0.12	0.072	0.12	0.048
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000016 J	<0.000015	<0.000015	<0.00028	0.00126	<0.0007	0.0015 J	0.0013 J
Anthracene	*7.3*	*22*	0.00013	0.000097 J	<0.000014	<0.000014	0.0001	<0.000014	<0.000014	0.000042 J	0.000079 J	0.000023 J	<0.000014	0.0001	0.00236	0.00472	0.0022 J	0.0043 J	0.0011 J
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000075	<0.00007	<0.000037	<0.000037	<0.000037	<0.000079	<0.000072	0.00013 J	<0.000037	0.000057 J	<0.000037	0.000051 J	0.00021 J	<0.00021	<0.0012	<0.0033	<0.0033
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*													<0.00019	<0.00021	<0.0007	<0.0005	<0.0005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00014	0.0273	0.0649	0.031	0.054	0.012
Fluoranthene	*0.98*	*2.9*	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000048 J	<0.00001	<0.00001	0.00175	0.00383	0.0018 J	0.0036 J	0.0014 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000081 J	<0.00003	0.000095 J	0.0297	0.0578	0.032	0.053	0.013
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.00002	0.000041 J	<0.00002	<0.00002	<0.00002	<0.000074	<0.00002	0.00021	<0.00002	0.000061 J	<0.00002	0.0006	0.0354	0.0772	<0.0008	0.048	<0.0006
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000059 J	<0.000021	0.00022	<0.000021	0.000032 J					
Phenol	*7.3*	*22*													<0.00019	<0.00021	<0.0015	<0.0005	<0.0005
Pyrene	*0.73*	*2.2*	<0.000019	0.000031 J	<0.000019	<0.000019	<0.000019	0.000025 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000848	0.00163	<0.0009	0.002 J	<0.0005
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-11B 07/13/2010	MW-11B 01/11/2011	MW-11B 07/12/2011	MW-11B 01/30/2012	MW-11B 07/10/2012	MW-11B 01/09/2013	MW-11B 07/11/2013	MW-11B 01/08/2014	MW-11B 07/02/2014	MW-11B 01/07/2015	MW-11B 07/07/2015	MW-11B 01/12/2016	MW-11B 07/07/2016	MW-11B 01/11/2017	MW-11B 07/12/2017	MW-11B 01/03/2018	MW-11B 07/18/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*									0.0131								
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.11	0.039	0.084	0.025	0.1	0.0631	0.108	<0.00037	0.0953	0.0472	0.057	<0.000027	0.039	<0.000027	0.043	<0.000027	0.074
Acenaphthylene	*1.5*	*4.4*	<0.0005	0.0012 J	0.0012 J	0.0011 J	0.0013 J	0.00136	0.00119	<0.00102	0.00166	0.00113	0.00065	<0.000015	0.00031	<0.000015	0.00032	<0.000015	0.00063
Anthracene	*7.3*	*22*	0.0055	<0.0006	0.0054	<0.0005	0.0055	0.000168 J	0.00321	<0.00242	0.00375	0.000945	0.0025	0.00011	0.0018	0.00011	0.0022	0.0001	0.0037
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	0.00195	<0.000356	0.000493 J	<0.000349	<0.000356	<0.00019	<0.00019	0.00018 J	0.00017 J	<0.000037	<0.0001	<0.000037
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000106	0.000317 J	0.000109 J	<0.000106	<0.000044	<0.00002	<0.00002	<0.00002	<0.00002	<0.000045	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.048	0.006	0.038	<0.0005	0.04	0.00352	0.0231	<0.0111	0.0199	0.00472	0.014	<0.00002	0.0082	0.000055 J	0.0055	<0.00002	0.032
Fluoranthene	*0.98*	*2.9*	0.0046 J	0.0015 J	0.0046 J	0.0013 J	0.0053	0.00307	0.00383	<0.00267	0.00417	0.00201	0.0034	0.00011	0.0025	0.00021	0.0029	<0.00001	0.0043
Fluorene	*0.98*	*2.9*	0.056	0.0038 J	0.046	<0.0005	0.054	0.00205	0.0388	<0.0195	0.0339	0.00867	0.025	<0.00003	0.019	<0.00003	0.025	<0.00003	0.048
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	0.0068	<0.0006	0.06	<0.0005	0.004 J	<0.0000755	0.00535	0.000382 J	0.0135	<0.0000769	0.0021	<0.00002	0.0082	<0.00002	0.0019	<0.00002	0.34
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*									0.012								
Phenol	*7.3*	*22*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0000385	<0.000037	<0.0000377	<0.0000385	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0022 J	<0.0005	0.0024 J	<0.0005	0.0024 J	0.00154	0.00196	<0.00126	0.00213	0.000935	0.0017	0.00032	0.0012	0.00013	0.0015	<0.000019	0.0023
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-11B 01/07/2019	MW-11B 07/02/2019	MW-11B 07/30/2019	MW-11B 10/17/2019	MW-11B 01/14/2020	MW-11B 07/14/2020	MW-11B 01/06/2021	MW-11B 07/06/2021	MW-11B 08/04/2021	MW-11B 01/03/2022	MW-11B 07/05/2022	MW-11B 01/03/2023	MW-11B 07/05/2023	MW-11B 01/02/2024	MW-11B 07/22/2024	MW-12A 01/30/2008	MW-12A 07/15/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																<0.00052	<0.00052
Benzene	*0.005*	*0.005*																<0.00025	<0.00025
Chlorobenzene	*0.1*	*0.1*																<0.00047	<0.00047
Ethylbenzene	*0.7*	*0.7*																0.00718	<0.00025
Methylene chloride	*0.005*	*0.005*																<0.00054	<0.00054
Toluene	*1*	*1*																<0.00041	<0.00041
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																0.0105 J	<0.00127
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																<0.00008	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*																<0.0003	<0.00029
2,4-Dinitrotoluene	*0.0013*	*0.003*																<0.0002	<0.00019
2,6-Dinitrotoluene	*0.0013*	*0.003*																<0.0002	<0.00019
2-Chloronaphthalene	*2*	*5.8*																<0.0004	<0.00039
2-Methylnaphthalene	*0.098*	*0.29*									0.04							**0.174**	**0.332**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																<0.0002	<0.00049
4-Nitrophenol	*0.049*	*0.15*																<0.00025	<0.00024
Acenaphthene	*1.5*	*4.4*	0.015	0.13			0.033	0.067	0.034	0.097	0.06	0.054	0.046	0.038	0.069	0.05	0.082	0.173	0.331
Acenaphthylene	*1.5*	*4.4*	0.00054	0.0013			0.0016	0.00094	0.00075	0.00089	0.00079	0.00064	0.00064	0.00064	0.0009	0.00052	0.0011	<0.0003	0.00276
Anthracene	*7.3*	*22*	0.00021	0.0045			<0.000014	0.0037	0.001	0.0045	0.005	0.0014	0.0039	0.00036	0.0027	0.0027	0.0027	0.0103	0.0137
Benzo(a)anthracene	*0.0091*	*0.02*																0.00028 J	0.00026 J
Benzo(a)pyrene	*0.0002*	*0.0002*																<0.0002	<0.00019
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																<0.0004	<0.00039
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000085	<0.00026			0.000095 J	0.000064 J	<0.000066	<0.00013	0.00024	<0.000093	0.00011 J	0.000037 J	<0.000037	<0.000037	<0.000037	0.0013 J	0.00033 J
Chrysene	*0.91*	*2*																0.00024 J	0.00021 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.051			<0.00002	0.024	0.0057	0.034	0.026	0.009	0.02	0.0021	0.021	0.0056	0.023	**0.125**	**0.212**
Fluoranthene	*0.98*	*2.9*	0.0025	0.005			0.0024	0.0045	0.0023	0.0055	0.0065	0.0029	0.0038	0.0041	0.0041	0.0054	0.0046	0.00693	0.0123
Fluorene	*0.98*	*2.9*	0.00015	0.061			0.00035	0.035	0.0077	0.045	0.041	0.017	0.027	0.0027	0.028	0.02	0.034	0.112	0.475
N-Nitrosodiphenylamine	*0.19*	*0.42*																<0.00025	<0.00024
Naphthalene	*0.49*	*1.5*	<0.00002	**0.7**	**1.1**	**0.6**	<0.00002	0.3	0.0016	**0.5**	0.48	0.0021	0.17	<0.00002	0.16	<0.00002	0.14	**2.27**	**1.47**
Nitrobenzene	*0.049*	*0.15*																<0.0004	<0.00039
Pentachlorophenol	*0.001*	*0.001*																<0.0002	<0.00019
Phenanthrene	*0.73*	*2.2*									0.019							0.0833	0.372
Phenol	*7.3*	*22*	<0.000035	<0.000035			<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00019
Pyrene	*0.73*	*2.2*	0.0017	0.0027			0.0023	0.0027	0.0014	0.0029	0.0043	0.0017	0.0023	0.002	0.0022	0.0032	0.0026	0.00358	0.00518
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-12A 02/04/2009	MW-12A 01/19/2010	MW-12A 06/22/2010	MW-12A 01/18/2011	MW-12A 07/26/2011	MW-12A 02/01/2012	MW-12A 07/19/2012	MW-12A 02/05/2013	MW-12A 07/31/2013	MW-12A 01/14/2014	MW-12A 07/25/2014	MW-12A 01/23/2018	MW-12A 03/19/2018	MW-12A 05/16/2018	MW-12A 01/09/2019	MW-12A 07/11/2019	MW-12A 01/13/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.00073 J	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025	0.000237 J	0.0000957 J	0.00048 J	0.000122 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0059	0.0029 J	0.00056 J	0.0014 J	0.0015 J	0.0042 J	<0.0025	0.000521 J	0.000774 J	0.000257 J	0.000403 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	**0.0087 J**	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.00079 J	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025	<0.00015	<0.000166	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*								<0.00011			<0.00011						
Xylenes (total)	*10*	*10*	0.012 J	0.0056 J	0.0026 J	0.0025 J	<0.0031	0.0048 J	<0.0075	0.00197 J	0.00217 J	0.00145 J	0.00165 J	0.0023	0.00076 J	0.00076 J	<0.0003	0.0006 J	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	**<0.00529**	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	0.0001 J	<0.00005	<0.00005	0.000056 J	<0.000292	<0.000295	<0.0149	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	**<0.00625**	<0.000126	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	**<0.00385**	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.00385	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.22**	**0.15**	**0.15**	0.033	0.014	0.061	**0.17**	0.0477	**0.306**	0.0386	**0.121**	0.067	0.008	0.005	<0.000019	0.013	0.0023
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	**<0.0399**	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.0269	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.25	0.19	0.21	0.19	0.038	0.13	0.2	0.253	0.428	0.342	0.292	0.26	0.23	0.17	<0.000027	0.19	0.28
Acenaphthylene	*1.5*	*4.4*	0.0036	0.0026	0.0019	0.0016	<0.00005	0.0015	0.0015	<0.0000566	<0.0000571	<0.00288	0.00225	<0.000015	0.0017	0.0015	<0.000015	0.0013	0.0012
Anthracene	*7.3*	*22*	0.0099	0.0093	0.011	0.012	0.0017	0.028	0.023	0.0179	0.0222	0.0325	0.0179	0.016	0.019	0.014	<0.000014	0.0087	0.0097
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00007	0.00082	<0.00005	<0.00005	0.00011 J	0.000221 J	0.000226 J	<0.00385	0.000268 J	0.00016	0.00026	0.00011	<0.00005	0.00041	0.00015
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	**0.0003**	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	**<0.00385**	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.00012	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	**<0.00625**	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00031	0.0006	<0.0002	0.00036	0.00017 J	<0.00027	<0.00012	<0.000349	<0.000352	**<0.0178**	0.000679	<0.00011	0.0002 J	0.00013 J	<0.000037	0.00031	0.00011 J
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	0.00074	<0.00005	<0.00005	0.00013 J	0.000186 J	0.000231 J	<0.00385	0.000241 J	0.00015	0.00022	0.00011	<0.000021	0.00034	0.00015
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00024	<0.00529	0.000797	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	**0.18**	**0.14**	**0.18**	**0.15**	0.025	**0.13**	**0.16**	**0.17**	**0.317**	**0.22**	**0.193**	**0.2**	**0.15**	**0.11**	0.000031 J	**0.14**	**0.23**
Fluoranthene	*0.98*	*2.9*	0.0061	0.0059	0.0064	0.0086	0.0017	0.0031	0.007	0.0111	0.0181	0.018 J	0.0132	0.013	0.0097	0.0084	<0.00001	0.0097	0.0067
Fluorene	*0.98*	*2.9*	0.15	0.13	0.16	0.14	0.025	0.067	0.15	0.17	0.316	0.245	0.202	0.21	0.17	0.13	<0.00003	0.16	0.28
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.00481	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	**2.6**	**1.7**	**0.6**	0.22	0.05	**1.5**	0.36	0.0828 J	**0.661**	0.0338 J	0.075	0.012	0.0014	<0.0021	<0.00026	<0.0012	<0.00051
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.00529	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	**<0.0293**	<0.000592	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.1	0.087	0.091	0.061	0.015	0.078	0.12	0.13	0.234	0.192	0.162	0.13	0.13	0.093	<0.000021	0.063	0.082
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000101 J	<0.0000381	<0.00192	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0025	0.0029	0.0025	0.0044	0.00068	0.0026	0.0036	0.00515	0.00818	0.00759 J	0.00649	0.0064	0.0049	0.0042	<0.000019	0.0047	0.0031
Metals																			
Arsenic	*0.01*	*0.01*												**0.017**	0.00133 J	0.00093 J	0.00192 J	0.00192 J	0.00134 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-12A 07/17/2020	MW-12A 01/13/2021	MW-12A 07/08/2021	MW-12A 01/20/2022	MW-12A 07/13/2022	MW-12A 01/09/2023	MW-12A 07/12/2023	MW-12A 01/18/2024	MW-12A 07/26/2024	MW-12B 01/31/2008 DNAPL	MW-12B 01/23/2020 DNAPL	MW-12B 07/29/2020 DNAPL	MW-12B 01/28/2021	MW-12B 07/28/2021	MW-12B 01/27/2022	MW-12B 07/24/2022	MW-12B 01/31/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.005	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00344 J	**0.03**	0.0027	0.0017	0.0017	<0.002	<0.002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0075	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0125	0.014 J	0.012	0.0073	0.0083	0.0072 J	0.0086 J	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	**<0.025**	<0.001	<0.001	<0.001	**<0.01**	**<0.01**	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00515	<0.005	0.0025	0.0013	0.0012	<0.002	<0.002	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.0002		**<0.005**						
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	0.0013	0.00074 J	<0.0003	<0.0003	<0.0003	0.0264	<0.0075	0.019	0.01	0.011	<0.003	0.0056 J	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	**<0.0021**	<0.000021	<0.000021	<0.000021	<0.000021	<0.0008	**<0.0021**	<0.00021	<0.00021	<0.00021	<0.00021	**<0.021**	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0029	<0.004	<0.0004	<0.0004	0.00062 J	**0.52**	<0.04	**0.0012 J**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	**<0.0058**	<0.000058	<0.000058	<0.000058	<0.000058	**<0.0019**	**<0.0058**	<0.00058	<0.00058	<0.00058	<0.00058	**<0.058**	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	**<0.0042**	<0.000042	<0.000042	<0.000042	<0.000042	**<0.0019**	**<0.0042**	0.00051 J	<0.00042	<0.00042	<0.00042	**<0.042**	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0038	<0.0021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.012	0.013	0.041	0.018	0.06	0.0071	0.026	0.0033	0.018	**0.508**	**320 J**	**0.84**	0.02	**0.12**	**0.33**	**1**	**0.2**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0019	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.02**	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.0047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0024	<0.0047	<0.00047	<0.00047	<0.00047	<0.00047	<0.047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.093	0.24	0.22	0.095	0.34	0.14	0.23	0.068	0.12	0.336	**350**	0.82	0.096	0.21	0.27	0.95	0.17
Acenaphthylene	*1.5*	*4.4*	0.00096	0.0017	0.0017	0.0013	<0.0015	0.00087	<0.000015	0.00048	0.00065	0.0127	**5.7**	0.015	0.0033	0.0074	0.011	0.039 J	0.0067
Anthracene	*7.3*	*22*	0.0076	0.018	0.018	0.009	0.027	0.0076	0.0081	0.0066	0.0063	0.0267	**160**	0.4	0.033	0.063	0.043	0.37	0.012
Benzo(a)anthracene	*0.0091*	*0.02*	0.00015	0.00023	0.00031	0.00015	<0.005	<0.00005	<0.00005	0.00015	<0.00005	0.00746	**79**	**0.23**	**0.021**	**0.031**	**0.037**	**0.21**	0.0059
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000051 J	0.000034 J	0.00013	<0.00002	**<0.002**	<0.00002	<0.00002	<0.00002	<0.00002	**<0.0019**	**22**	**0.041**	**0.0074**	**0.011**	**0.0092**	**<0.02**	**0.001**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	**<0.003**	<0.00003	<0.00003	<0.00003	<0.00003	**<0.0038**	**<0.003**	<0.0003	<0.0003	<0.0003	<0.0003	**<0.03**	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00013	0.00014 J	<0.00038	<0.000037	<0.0037	<0.000037	<0.000037	<0.000037	<0.000037	<0.0019	<0.0037	<0.00037	<0.00037	<0.00037	<0.00037	**<0.037**	<0.00037
Chrysene	*0.91*	*2*	0.00015	0.00019	0.00032	0.00018	<0.0021	<0.000021	0.00012	0.00016	<0.000021	0.00596	**64**	0.19	0.018	0.037	0.035	0.14	0.0035
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000042	0.00022	0.000063 J	<0.00002	<0.002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0019	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.02	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.064	**0.16**	**0.17**	0.067	**0.22**	0.086	**0.099**	0.049	0.077	**0.204**	**320**	**0.76**	0.049	**0.15**	**0.26**	**0.9**	**0.14**
Fluoranthene	*0.98*	*2.9*	0.0089	0.015	0.018	0.0079	0.021	0.006	0.0086	0.0051	0.0061	0.0508	**520**	**1.2**	0.15	0.24	0.44	**1.2**	0.053
Fluorene	*0.98*	*2.9*	0.078	0.21	0.21	0.084	0.26	0.11	0.18	0.06	0.093	0.196	**420**	0.96	0.11	0.25	0.28	**1**	0.13
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.0025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0024	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.025	<0.00025
Naphthalene	*0.49*	*1.5*	0.00048	0.00067	0.0011	0.00036	<0.002	0.016	<0.0013	0.00039	0.00045	**5.55**	**760**	**2.4**	0.017	0.18	**2.4**	**3.9**	**1.4**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.0024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0038	<0.0024	<0.00024	<0.00024	<0.00024	<0.00024	<0.024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0079**	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0019**	**<0.0079**	<0.00079	<0.00079	<0.00079	<0.00079	**<0.079**	<0.00079
Phenanthrene	*0.73*	*2.2*	0.041	0.09	0.096	0.038	0.13	0.027	0.052	0.013	0.041	0.322	**1200**	**2.6**	0.28	0.49	0.71	**2.7**	0.21
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.0035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0019	<0.0035	<0.00035	0.0015	0.0029	0.46	<0.035	**<0.00035**
Pyrene	*0.73*	*2.2*	0.0044	0.0073	0.0076	0.0059	0.01	0.0027	0.0038	0.0029	0.0025	0.033	**330**	**0.74**	0.08	0.15	0.14	0.65	0.023
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.00124	<0.000669	0.000953 J	0.000421 J	0.000854 J	0.000855 J	0.00192 J	0.001 J		**0.0491 J**	**0.0195**	**0.0274**	**0.0427**	**0.0253**	**0.0388**	**0.0346**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-12B 07/25/2023	MW-12B 03/22/2024	MW-12B 08/02/2024	MW-12C 01/30/2008	MW-12C 07/15/2008	MW-12C 02/04/2009	MW-12C 01/19/2010	MW-12C 06/22/2010	MW-12C 01/18/2011	MW-12C 07/26/2011	MW-12C 02/01/2012	MW-12C 07/19/2012	MW-12C 02/05/2013	MW-12C 07/31/2013	MW-12C 01/14/2014	MW-12C 07/25/2014	MW-12C 01/23/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.005	<0.000372	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	0.0027	<0.005	0.00172	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0075	<0.000455	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0084	<0.0075	0.00787	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.000145	<0.00011	<0.00011	<0.00011	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	**0.092**	<0.00173	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001
Toluene	*1*	*1*	0.0026	<0.005	0.00101	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002
Vinyl chloride	*0.002*	*0.002*		**<0.005**											<0.00011			<0.00011	
Xylenes (total)	*10*	*10*	0.011	<0.0075	0.00974 J	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0021**	<0.00021	<0.00021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.004	<0.0004	0.038	<0.00031	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000292	<0.000295	<0.000298	<0.000301	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0058**	<0.00058	<0.00058	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000125	<0.000126	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0042**	<0.00042	<0.00042	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000769	**0.209**	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0021	<0.00021	<0.00021	<0.00041	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777	0.000079 J
2-Methylnaphthalene	*0.098*	*0.29*	**0.24**	0.073	**0.13**	<0.00041	<0.00042	0.00045	0.00024	0.00011 J	0.00012 J	0.000099 J	<0.00005	0.000086 J	0.000146 J	0.000129 J	0.000164 J	<0.000146	0.000091 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.002	<0.0002	<0.0002	<0.0002	<0.00053	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000798	<0.000806	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.0047	<0.00047	<0.00047	<0.00026	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000538	<0.000544	<0.000047
Acenaphthene	*1.5*	*4.4*	0.3	0.12	0.092	<0.00031	<0.00032	0.00052	0.00019 J	<0.00009	0.00012 J	<0.00005	<0.00005	0.00011 J	<0.0000755	<0.0000762	<0.0000769	<0.000114	0.0002
Acenaphthylene	*1.5*	*4.4*	0.011	<0.00015	0.0039	<0.00031	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000577	<0.0000583	<0.000015
Anthracene	*7.3*	*22*	0.11	0.017	0.02	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.0000745 J	<0.0000476	<0.0000481	<0.0000485	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	**0.059**	0.0068	0.0058	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.017**	**0.0017**	**0.0015**	<0.0002	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.003**	<0.0003	<0.0003	<0.00041	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000125	<0.000126	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0037	<0.00037	<0.00037	0.00114 J	<0.00021	0.0003	0.00077	<0.00099	<0.0002	0.0004	<0.0001	<0.00011	<0.000349	<0.000352	<0.000356	<0.000359	<0.00009
Chrysene	*0.91*	*2*	0.048	0.0053	0.0047	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.002	<0.0002	<0.0002	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000106	<0.000107	0.000034 J
Dibenzofuran	*0.098*	*0.29*	**0.27**	0.082	0.079	<0.00031	<0.00032	0.0004	0.00014 J	<0.00008	0.00011 J	<0.00005	<0.00005	0.000054 J	0.0000865 J	0.0000857 J	0.0000979 J	<0.000091	0.0001
Fluoranthene	*0.98*	*2.9*	0.38	0.044	0.044	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000667	<0.0000673	<0.000068	<0.00001
Fluorene	*0.98*	*2.9*	0.34	<0.0003	0.085	<0.0002	<0.00021	0.00037	0.00014 J	<0.00007	0.000099 J	0.000071 J	0.0001 J	0.000082 J	0.000149 J	0.000102 J	<0.0000673	<0.000068	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000962	<0.0000971	<0.000025
Naphthalene	*0.49*	*1.5*	**0.81**	**0.58**	**0.64**	0.000734	0.000833	0.003	0.0017	<0.00046	0.00099	0.00048	<0.00054	0.00052	0.000729	0.000585 J	<0.000853	<0.000598	0.00046
Nitrobenzene	*0.049*	*0.15*	<0.0024	<0.00024	<0.00024	<0.00041	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107	<0.000024
Pentachlorophenol	*0.001*	*0.001*	**<0.0079**	<0.00079	<0.00079	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	0.00015 J	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	<0.000587	<0.000592	<0.000079
Phenanthrene	*0.73*	*2.2*	**0.86**	0.16	0.14	<0.0002	<0.00021	0.00048	0.00015 J	<0.00007	0.00011 J	<0.00005	<0.00005	0.000059 J	<0.0000566	<0.0000571	<0.0000872	<0.0000808	0.000069 J
Phenol	*7.3*	*22*	<0.0035	<0.00035	<0.00035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.0000385	<0.0000388	<0.000035
Pyrene	*0.73*	*2.2*	0.21	0.026	0.023	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0387**	0.00864	**0.0535**														0.0025

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-12C 03/19/2018	MW-12C 05/16/2018	MW-12C 01/09/2019	MW-12C 07/11/2019	MW-12C 01/13/2020	MW-12C 07/17/2020	MW-12C 01/14/2021	MW-12C 07/08/2021	MW-12C 01/05/2022	MW-12C 07/13/2022	MW-12C 01/09/2023	MW-12C 07/12/2023	MW-12C 01/18/2024	MW-12C 07/26/2024	MW-13 01/30/2008	MW-13 07/15/2008	MW-13 02/04/2009
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005
Vinyl chloride	*0.002*	*0.002*														<0.0002			
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.00043	<0.00004	<0.00004	0.000079 J	0.00012 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00029	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00019	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.061**	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.00019	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000029 J	<0.000021	<0.000021	<0.000021	0.000023 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00039	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	0.000092 J	0.000078 J	0.00039	0.00021	0.00018	0.000052 J	0.00019	0.00018	<0.00017	0.000077 J	0.000095 J	<0.00011	0.000074 J	0.00035	<0.00038	<0.00039	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00049	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00024	<0.00007
Acenaphthene	*1.5*	*4.4*	0.0001	<0.000027	0.093	0.000071 J	0.00015	0.00007 J	0.00026	0.00016	<0.00015	0.000055 J	0.00013 J	<0.000027	<0.000027	0.0018	<0.00029	<0.00029	<0.00009
Acenaphthylene	*1.5*	*4.4*	0.00064	<0.000015	0.00082	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00029	<0.00006
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.0084	0.00003 J	<0.000014	0.000019 J	0.00011	<0.000014	0.000041 J	0.000025 J	<0.000014	0.000033 J	<0.000014	0.00015	0.000955	0.000642	0.0002
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	0.00014	<0.00005	<0.00005	<0.00005	0.000057 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.00019	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	0.000041 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00039	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00013 J	<0.000037	0.00011 J	<0.000037	<0.000037	<0.000053	<0.0002	<0.00021	<0.000037	0.00033	<0.000037	<0.000037	<0.000037	<0.000037	0.00051 J	<0.00019	0.00035
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.00013	<0.000021	<0.000021	<0.000021	0.000061	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00019	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00014	<0.00002	<0.00002	<0.00019	<0.00019	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000052 J	0.067	0.00007 J	0.00012	0.000041 J	0.0002	0.00013	<0.00011	0.000052 J	0.000092 J	<0.00002	0.000064 J	0.0014	<0.00029	<0.00029	<0.00008
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.0071	<0.00001	0.000091 J	<0.000021	0.00018	<0.00001	<0.00001	<0.000013	<0.000058	<0.00001	<0.00001	0.0002	0.00046 J	<0.00019	<0.00007
Fluorene	*0.98*	*2.9*	<0.00003	0.000087 J	0.085	0.000052 J	0.00019	<0.00003	0.00025	0.00021	<0.00014	<0.00003	<0.00003	<0.00003	<0.00003	0.0017	<0.00019	<0.00019	<0.00007
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00024	<0.00009
Naphthalene	*0.49*	*1.5*	0.0003	<0.00061	<0.00017	<0.0031	0.0017	<0.00023	0.0014	0.0013	<0.002	0.00068	0.00063	<0.00075	0.00045	0.00028	<0.00038	<0.00039	<0.0001
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00039	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00019	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000048 J	0.052	0.000039 J	0.00015	0.000037 J	0.00048	0.00014	0.000099 J	0.000051 J	<0.00017	0.00008 J	<0.000021	0.00084	<0.00019	<0.00019	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.0004	0.00012 J	0.000042 J	0.000051 J	0.000099 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.0031	<0.000019	0.000068 J	<0.000019	0.00015	<0.000019	<0.000019	<0.000019	0.000038 J	<0.000019	<0.000019	0.000099 J	<0.00019	<0.00019	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	0.00184 J	0.0017 J	0.000796 J	0.002	0.00195 J	0.00171 J	0.00204	<0.00171	0.0017 J	0.00224	0.0019 J	0.00191 J	0.00219	0.000803 J			

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-13 01/19/2010	MW-13 06/22/2010	MW-13 01/18/2011	MW-13 07/26/2011	MW-13 02/02/2012	MW-13 07/16/2012	MW-13 02/05/2013	MW-13 07/31/2013	MW-13 01/14/2014	MW-13 07/25/2014	MW-13 01/23/2018	MW-13 03/18/2018	MW-13 05/15/2018	MW-13 01/08/2019	MW-13 07/11/2019	MW-13 01/14/2020	MW-13 07/15/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	0.000401 J	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*							<0.00011			<0.00011							
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.000212	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005		<0.000301	<0.000596	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.000063	<0.00004	0.00037
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.00025	<0.000126	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	0.00066	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00076	<0.00007	0.000075 J	0.00026	<0.00005	0.000063 J	<0.000066	<0.000068	0.000141 J	<0.000687	<0.000019	<0.000019	<0.000019	<0.000019	0.000077 J	0.000054 J	0.00042
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008		<0.000806	<0.0016	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005		<0.000544	<0.00108	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00011 J	<0.00009	<0.00009	0.00033	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.000329	<0.000027	<0.000027	<0.000027	<0.000027	0.000066 J	0.00022	0.00014
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	0.0000715 J	<0.000115	<0.0000583	0.00003 J	<0.000015	<0.000015	<0.000015	0.000033 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00043	<0.00007	<0.00007	0.00037	0.000068 J	0.00011 J	0.0011	0.000878	<0.00118	<0.000587	0.00047	0.000039 J	0.000085 J	0.00039	0.00047	<0.000014	0.000071 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00007	<0.00005	0.00014 J	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	<0.00005	0.000073 J	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.00025	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0016	<0.00044	<0.0002	0.00027	0.00043 J	<0.0001	<0.000349	<0.000359	<0.000712	<0.000359	<0.00011	0.000078 J	0.00011 J	<0.000037	0.000054 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	<0.00005	0.00017 J	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	0.0001 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000211	<0.000212	0.000122 J	<0.00002	<0.00002	0.000029 J	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.00019 J	<0.00008	<0.00008	0.00034	0.000063 J	0.00019 J	<0.0000755	<0.0000777	<0.000154	<0.000257	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J	0.00016	0.00014
Fluoranthene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00007	0.000067 J	0.00015 J	0.00013 J	<0.000066	<0.000068	<0.000135	<0.000068	<0.00001	<0.00001	0.000015 J	<0.00001	0.000032 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	0.000072 J	0.00035	<0.00005	0.00012 J	<0.000066	<0.000068	<0.000135	<0.000188	<0.00003	<0.00003	<0.00003	<0.00003	0.000042 J	0.00016	0.000088 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.000192	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.007	<0.0001	0.0005	0.00087	<0.00022	<0.00023	<0.0000755	<0.000226	<0.00126	0.0039	0.00014	<0.000083	<0.00002	<0.00022	<0.0011	0.00026	0.0044
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.000212	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005		<0.000592	**<0.00117**	<0.000592	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00014 J	0.0002	<0.00007	0.00029	0.00015 J	0.00049	<0.0000566	<0.0000583	<0.000115	<0.000163	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000077 J
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005		<0.0000388	<0.0000769	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00007	<0.00007	<0.00007	0.00011 J	0.0002 J	0.000089 J	<0.000104	<0.000107	<0.000212	<0.000107	<0.000019	<0.000019	0.00002 J	<0.000019	0.000084 J	<0.000019	0.000053 J
Metals																			
Arsenic	*0.01*	*0.01*											0.00303	0.00984	**0.014**	**0.0602**	**0.0715**	**0.0642**	**0.0376**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-13 01/13/2021	MW-13 07/07/2021	MW-13 01/20/2022	MW-13 07/11/2022	MW-13 01/10/2023	MW-13 07/13/2023	MW-13 01/17/2024	MW-13 07/29/2024	MW-14 01/30/2008	MW-14 07/15/2008	MW-14 02/04/2009	MW-14 02/04/2009 Duplicate	MW-14 01/19/2010	MW-14 01/19/2010 Duplicate	MW-14 06/22/2010	MW-14 01/17/2011	MW-14 07/26/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000052 J	<0.00029	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00038	<0.00012	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	0.000076 J	<0.000019	<0.000019	<0.000019	<0.000019	0.00047 J	0.000782	0.00075	0.00078	0.00064	0.0006	0.00049	0.00039	0.00034
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00048	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00223	0.000515	0.00047	0.0005	0.00043	0.00043	0.00041	0.00033	0.00032
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00029	<0.00006	<0.00006	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Anthracene	*7.3*	*22*	0.00006 J	0.000067 J	<0.000014	0.000084 J	0.00018	0.0001	<0.000014	0.000045 J	0.000678	<0.00019	<0.00007	<0.00007	<0.00007	0.00013 J	<0.00007	<0.00007	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00017 J	0.0012	<0.000037	0.00037	<0.000037	<0.000037	<0.000037	0.000044 J	0.0004 J	<0.00019	0.00081	0.0027	0.0054 J	0.00037 J	<0.00077	0.00029	0.00047
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00025	<0.00002	<0.00002	0.000028 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000491	0.000502	0.00045	0.00045	0.0004	0.00044	0.00037	0.0003	0.00031
Fluoranthene	*0.98*	*2.9*	0.00003 J	<0.00001	<0.00001	0.000023 J	<0.00001	<0.00001	<0.00001	<0.00001	0.000506	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.00006 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00019	<0.00019	<0.00007	0.00014 J	0.00013 J	0.0001 J	<0.00007	0.000079 J	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00027	<0.00002	0.00015	<0.00002	<0.000073	<0.00002	0.000074 J	0.00222	0.00349	0.0032	0.0033	0.003	0.0026	0.0022	0.0024	0.0014
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	0.000059 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000599	0.00061	0.00035	0.00039	0.00041	0.00043	0.00044	0.0003	0.00033
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.00003 J	0.000078 J	<0.000019	0.000055 J	<0.000019	<0.000019	<0.000019	0.000036 J	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*	**0.0199**	0.0055	0.00618	0.00472	**0.0142**	**0.0248**	0.00302	0.00505									

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-14 07/26/2011 Duplicate	MW-14 02/02/2012	MW-14 02/02/2012 Duplicate	MW-14 07/16/2012	MW-14 07/16/2012 Duplicate	MW-14 02/05/2013	MW-14 07/31/2013	MW-14 01/14/2014	MW-14 07/18/2014	MW-14 01/23/2018	MW-14 03/18/2018	MW-14 05/15/2018	MW-14 01/08/2019	MW-14 07/11/2019	MW-14 01/14/2020	MW-14 07/15/2020	MW-14 01/12/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0011	<0.0011	<0.0005	<0.0005	<0.00011	0.000123 J	<0.00011	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.0013	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*						<0.00011			<0.00011								
Xylenes (total)	*10*	*10*	<0.0031	<0.0031	<0.0031	<0.0015	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.000106	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	0.00005 J	0.0013 J	<0.00005	<0.00005	<0.000292	<0.000301	<0.000298	<0.000307	<0.00004	<0.00004	<0.00004	<0.00004	<0.00013	<0.00004	0.00013 J	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.000125	<0.000129	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000777	<0.0000769	**0.0788**	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.0057**
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00031	0.000064 J	0.00017 J	0.0003	0.00044	0.000402 J	0.000304 J	0.000321 J	0.000336 J	0.00019	<0.00014	<0.000019	<0.000019	0.00019	<0.000019	0.00024	<0.000063
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.000806	<0.000798	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000528	R	<0.000538	<0.000554	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00028	0.00005 J	0.00015 J	0.0003	0.00035	0.0006	0.000549	0.000943	0.000619	0.00019	0.00027	<0.000027	<0.000027	0.0001	0.000091 J	0.000083 J	0.00021
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000583	<0.0000577	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000087 J	<0.00005	<0.00005	0.000069 J	<0.00005	0.000277 J	0.000198 J	<0.000179	0.000139 J	0.000067 J	0.000052 J	<0.000014	0.000052 J	0.000089 J	<0.000014	0.000034 J	0.000077 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.000125	<0.000129	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00065	<0.0001	<0.00013	0.00011 J	0.00011 J	<0.000349	<0.000359	<0.000356	0.000615	<0.000091	<0.000037	0.00014 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000104	<0.000179	<0.000106	<0.000109	<0.00002	<0.00002	<0.00002	0.000022 J	<0.00002	<0.00002	<0.00002	<0.00029
Dibenzofuran	*0.098*	*0.29*	0.00027	0.00012 J	0.00015 J	0.00032	0.00034	0.000467 J	0.000372 J	0.000443 J	0.000437 J	0.00024	<0.00025	<0.00002	<0.00002	0.000087 J	<0.00002	0.000062 J	0.00021
Fluoranthene	*0.98*	*2.9*	<0.00005	0.00024	0.00031	0.000055 J	<0.00005	0.0000794 J	0.000274 J	0.0000744 J	<0.0000693	0.000028 J	0.000025 J	<0.00001	<0.00001	0.000067 J	0.000064 J	<0.00001	0.00076
Fluorene	*0.98*	*2.9*	0.000065 J	<0.00005	<0.00005	0.000076 J	<0.00005	<0.000066	<0.000068	0.00008 J	0.0000901 J	<0.00003	0.000094 J	<0.00003	<0.00003	0.000069 J	0.000057 J	<0.00003	<0.00019
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.0000962	<0.000099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.0012	0.00034 J	0.0014 J	<0.0015	<0.002	0.00211	0.00216 J	<0.00183	0.00143	0.00067	<0.00057	<0.00002	<0.00002	<0.002	<0.00002	0.0042	<0.0004
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.00005	0.00008 J	<0.000104	<0.000107	<0.000106	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000575	<0.000592	<0.000587	<0.000604	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00032	0.00011 J	0.00014 J	0.00038	0.00039	0.000484	0.000662	<0.000591	0.000506	0.00035	0.00032	<0.000021	<0.000021	0.000059 J	<0.000021	0.000053 J	<0.00042
Phenol	*7.3*	*22*	<0.00005	0.00005 J	0.00075 J	<0.00005	<0.00005	<0.0000377	0.000398 J	<0.0000385	<0.0000396	<0.000035	<0.000035	<0.000035	<0.000035	0.00019 J	<0.000035	0.0002 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	0.00029	0.00029	<0.00005	<0.00005	<0.000104	0.000164 J	<0.000106	<0.000109	<0.000019	<0.000019	<0.000019	<0.000019	0.000032 J	0.00006 J	<0.000019	0.00061
Metals																			
Arsenic	*0.01*	*0.01*										<0.0004	<0.0004	<0.0004	0.000752 J	0.00133 J	0.00185 J	0.000949 J	<0.00277

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-14 07/07/2021	MW-14 01/05/2022	MW-14 07/11/2022	MW-14 01/05/2023	MW-14 07/11/2023	MW-14 01/17/2024	MW-14 07/26/2024	MW-15A 01/30/2008	MW-15A 07/15/2008	MW-15A 02/04/2009	MW-15A 01/18/2010	MW-15A 06/23/2010	MW-15A 01/17/2011	MW-15A 07/13/2011	MW-15A 02/02/2012	MW-15A 07/19/2012	MW-15A 01/30/2013
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00161 J	<0.00025	0.0018 J	0.0016 J	0.0017 J	0.00074 J	0.0016 J	0.0012 J	0.0016 J	0.0016
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005		<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00122 J	<0.00025	0.0019 J	0.0015 J	0.0017 J	<0.0005	0.0019 J	0.0024 J	0.0012 J	0.00066 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	0.00055 J	<0.0005	<0.001	<0.001	<0.0005	0.000221 J
Vinyl chloride	*0.002*	*0.002*							<0.0002										
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0056 J	<0.00127	0.0039 J	0.0015 J	0.0047 J	<0.001	0.0038 J	0.0073 J	0.0097 J	0.00417
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	0.00042 J	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.00059	0.00056	0.002
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.0093**	0.000042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00041	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755
2-Methylnaphthalene	*0.098*	*0.29*	0.00011	<0.00028	0.000084 J	<0.000019	<0.000019	<0.000019	<0.000019	0.0127	**0.0995**	0.044	0.033	0.042	0.038	**0.14**	0.001	0.046	0.00997
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00051	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528
Acenaphthene	*1.5*	*4.4*	0.000058 J	<0.00022	<0.000027	0.000038 J	<0.000027	<0.000027	0.00052	0.134	0.442	0.17	0.17	0.16	0.27	0.2	0.13	0.13	0.141
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003	<0.00031	0.0017	0.0015	0.00097	0.0011	0.00097	0.00071	0.0012	<0.0000566
Anthracene	*7.3*	*22*	<0.000014	0.000066 J	<0.000014	<0.000014	<0.000014	<0.000014	0.0001	0.00377	0.00432	0.003	0.0036	0.0049	0.0063	0.0053	0.0028	0.0046	0.00313
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00023 J	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00041	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00017 J	0.000068 J	<0.000037	<0.000037	<0.000037	0.00014 J	0.000037 J	<0.0002	<0.0002	0.0026	<0.00073	<0.00084	0.0016	<0.00012	<0.0001	<0.0001	<0.000349
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000035 J	<0.0002	<0.0002	0.00029	0.00011 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104
Dibenzofuran	*0.098*	*0.29*	0.000028 J	<0.00014	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0239	**0.156**	0.047	0.043	0.048	0.05	0.078	0.028	0.046	0.0416
Fluoranthene	*0.98*	*2.9*	0.00003 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00032	0.00178	0.00183	0.0011	0.0015	0.002	0.0023	0.0021	0.00094	0.0015	0.000885
Fluorene	*0.98*	*2.9*	<0.00003	<0.00011	<0.00003	<0.00003	<0.00003	<0.00003	0.00021	0.0394	0.18	0.059	0.06	0.062	0.076	0.092	0.043	0.063	0.056
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	0.00055	<0.00005	<0.00005	<0.0000943
Naphthalene	*0.49*	*1.5*	0.0017	<0.0028	0.00036	<0.00002	<0.00009	<0.00002	0.00022	0.00684	0.271	0.048	<0.0018	0.036	0.0023	0.087	0.008	0.27	0.0501 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00041	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575
Phenanthrene	*0.73*	*2.2*	0.000027 J	0.00004 J	<0.000021	<0.000021	0.000032 J	<0.000021	0.0001 J	0.0039	0.0229	0.0095	0.0074	0.012	0.019	0.036	0.0056	0.014	0.00792
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	0.0002	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377
Pyrene	*0.73*	*2.2*	0.000039 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00023	0.00127	0.000664	0.00042	0.00062	0.00076	0.00095	0.00089	0.00053	0.00084	0.000496
Metals																			
Arsenic	*0.01*	*0.01*	<0.000963	0.000998 J	0.000633 J	0.00121 J	0.00125 J	0.000923 J	0.000988 J										

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-15A 07/30/2013	MW-15A 01/14/2014	MW-15A 07/17/2014	MW-15A 01/23/2018	MW-15A 03/18/2018	MW-15A 05/15/2018	MW-15A 01/08/2019	MW-15A 07/10/2019	MW-15A 01/14/2020	MW-15A 07/14/2020	MW-15A 01/19/2021	MW-15A 07/08/2021	MW-15A 01/12/2022	MW-15A 03/24/2022	MW-15A 07/11/2022	MW-15A 01/05/2023	MW-15A 07/11/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.0013	0.00106	0.00161	<0.0002	0.00051 J	0.0006 J	<0.0002	0.00074 J	0.00034 J	0.00064 J	0.00078 J	0.00092 J	0.00053 J	0.00028 J	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	0.000121 J	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.000799 J	0.000627 J	0.00101	<0.0003	<0.0003	<0.0003	<0.0003	0.00035 J	<0.0003	0.00037 J	0.00033 J	0.0003 J	<0.0003	<0.0003	<0.0003	<0.0003	0.00064 J
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.000199 J	0.00034 J	0.000595 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00035 J	0.00032 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.00527	0.00337	0.00854	0.0018	<0.0003	<0.0003	0.0008 J	0.0026	0.00093 J	0.0026	0.0014	0.0018	0.0024	0.00066 J	<0.0003	<0.0003	0.0064
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000107	**<0.00529**	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00036	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000301	<0.0149	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00024	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.0033	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000126	**<0.00625**	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000777	**<0.00385**	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000777	<0.00385	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.124**	0.0475	0.059	0.0076	0.0016	0.0034	0.0098	0.0077	0.018	0.014	0.013	0.02	0.0011	0.004	0.00016	0.053	0.013
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000806	**<0.0399**	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000544	<0.0269	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.332	0.3	0.205	0.13	0.099	0.1	0.1	0.11	0.14	0.091	0.076	0.19	0.056	0.062	0.058	0.14	0.043
Acenaphthylene	*1.5*	*4.4*	<0.0000583	<0.00288	<0.0000566	0.002	0.0007	0.00069	<0.000015	0.00045	0.00066	0.00047	0.00077	0.00077	0.0015	0.00071	0.00034	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0085	0.0111 J	0.00642	0.0026	0.0024	0.0032	0.0025	0.0026	0.0048	0.0028	0.0023	0.0057	0.0015	0.0024	0.00076	0.0044	0.0014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000777	<0.00385	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000777	**<0.00385**	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000126	**<0.00625**	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000359	**<0.0178**	<0.000349	<0.000037	<0.000037	**0.0093**	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00017	<0.000037	0.00023	0.000051 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.0000777	<0.00385	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000187 J	<0.00529	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00028	<0.00002	<0.00002	0.000077 J	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	**0.104**	0.0693	0.0572	0.029	0.024	0.018	0.023	0.035	0.036	0.024	0.02	0.041	0.014	0.014	0.0077	0.038	0.011
Fluoranthene	*0.98*	*2.9*	0.00361	<0.00337	0.00257	0.002	0.0012	0.0016	0.0012	0.0018	0.0031	0.0021	0.0021	0.0041	0.0018	0.0018	0.0011	0.0034	0.0011
Fluorene	*0.98*	*2.9*	0.139	0.114	0.0822	0.041	0.036	0.029	0.038	0.054	0.065	0.041	0.031	0.074	0.019	0.026	0.016	0.066	0.019
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000971	<0.00481	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	**0.526**	0.326	0.248	0.0005	<0.00034	<0.00037	<0.00032	<0.0066	0.00022	<0.00092	<0.00098	0.00052	<0.00046	0.011	0.00012	0.058	0.04
Nitrobenzene	*0.049*	*0.15*	<0.000107	<0.00529	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000592	**<0.0293**	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.052	0.0375	0.0203	0.0046	0.0054	0.0074	0.009	0.0095	0.025	0.0096	0.0082	0.021	0.00084	0.0067	0.00068	0.027	0.0063
Phenol	*7.3*	*22*	<0.0000388	<0.00192	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	0.00039	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.0049	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00154	<0.00529	0.00101	0.0009	0.00063	0.00078	0.00051	0.00075	0.0013	0.00098	0.00083	0.0017	0.0008	0.00084	0.00056	0.0013	0.00042
Metals																			
Arsenic	*0.01*	*0.01*				**0.0264**	**0.0137**	**0.019**	**0.027**	**0.0251**	**0.0441**	**0.022**	**0.0144**	**0.0204**	**0.0126**	**0.0187**	**0.0248**	**0.0422**	**0.023**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15A 01/17/2024	MW-15A 07/26/2024	MW-15B 02/02/2012	MW-15B 07/19/2012	MW-15B 01/30/2013	MW-15B 07/30/2013	MW-15B 01/14/2014	MW-15B 07/17/2014	MW-15B 01/23/2018	MW-15B 03/18/2018	MW-15B 05/15/2018	MW-15B 01/08/2019	MW-15B 07/10/2019	MW-15B 01/14/2020	MW-15B 07/14/2020	MW-15B 01/19/2021	MW-15B 07/08/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.005	<0.0025	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.00091 J	0.0015	<0.005	**0.0053 J**	0.0022	0.00484	0.00101	0.00292	<0.0002	<0.0002	0.00071 J	<0.0002	0.0023	<0.0002	0.0025	<0.0002	0.0024
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.005	<0.0025	<0.00012	0.000124 J	<0.00012	0.000136 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0014	0.0027	0.02 J	0.014 J	0.00159	0.00399	0.00019 J	0.00903	<0.0003	<0.0003	0.001	<0.0003	0.0031	<0.0003	0.0016	<0.0003	0.0015
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	**<0.0065**	<0.005	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.00048 J	0.00053 J	<0.005	<0.0025	<0.00015	0.000155 J	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00036 J
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.0043	0.011	<0.016	<0.0075	0.000356 J	0.00876	0.000876 J	0.00464	<0.0003	<0.0003	<0.0003	<0.0003	0.0025	<0.0003	0.0026	<0.0003	0.0028
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.0001	<0.00005	<0.00005	<0.000104	<0.000107	<0.00106	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.0002	<0.00043	<0.00005	<0.000292	<0.000301	<0.00298	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00016	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00029	<0.00005	<0.00005	<0.000123	<0.000126	<0.00125	<0.000123	<0.000059	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00021	<0.00006	<0.00006	<0.0000755	<0.0000777	<0.000769	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.0001	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.000769	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.021	0.076	**0.29**	0.023	<0.000744	0.00327	0.00325 J	0.00622	<0.000019	<0.000019	0.00015	<0.000019	0.016	<0.000019	0.013	0.003	0.029
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0001	<0.00008	<0.00008	<0.000783	<0.000806	**<0.00798**	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00024	<0.00005	<0.00005	<0.000528	<0.000544	<0.00538	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.041	0.13	0.17	0.075	0.0413	0.114	0.134	0.0653	<0.000027	<0.000027	0.012	0.0026	0.029	0.000073 J	0.019	0.015	0.045
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.000075	0.0011	0.0008	0.000987	<0.0000583	0.00148 J	<0.0000566	0.000059 J	<0.000015	0.00027	0.00015	0.00034	<0.000015	0.00018	0.00029	0.00031
Anthracene	*7.3*	*22*	0.0012	0.0036	0.039	0.0071	0.00179	0.00581	0.00665	0.00517	0.00034	0.00016	0.00058	0.00023	0.0016	0.00011	0.0018	0.00033	0.0027
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00025	0.00016 J	0.00017 J	<0.0000755	0.000218 J	0.000868 J	0.00031 J	0.00017	<0.00005	0.00011	<0.000051	0.00016	<0.00005	0.00018	0.000074 J	0.00021
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0001	<0.00005	<0.00005	<0.0000755	<0.0000777	**<0.000769**	<0.0000755	0.00007 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00015	<0.00005	<0.00005	<0.000123	<0.000126	**<0.00125**	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00018	<0.0001	<0.00018	<0.000349	<0.000359	<0.00356	0.000548	<0.00007	<0.000037	0.0001 J	<0.000037	<0.000037	0.000055 J	<0.000037	<0.000037	<0.00017
Chrysene	*0.91*	*2*	<0.00021	<0.0001	0.00019 J	0.00013 J	<0.0000755	0.000167 J	<0.000769	0.000228 J	0.00014	<0.000021	0.000098 J	<0.000021	0.00013	<0.000021	0.00015	0.000067	0.00019
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0001	<0.00005	<0.00005	<0.000104	0.000187 J	<0.00106	<0.000104	<0.00002	<0.00002	0.000042 J	0.000022 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.012	0.031	**0.15**	0.052	0.0127	0.0589	0.0509	0.0272	0.0005	<0.00002	0.0025	0.00014	0.013	<0.00002	0.0097	0.0061	0.022
Fluoranthene	*0.98*	*2.9*	0.00077 J	0.0025	0.012	0.0062	0.00101	0.00615	0.0131	0.00736	0.0027	<0.00001	0.0031	0.00045	0.0042	0.00011	0.0037	0.0019	0.0064
Fluorene	*0.98*	*2.9*	0.018	0.047	0.084	0.036	0.011	0.0459	0.0443	0.0231	0.00017	<0.00003	0.0028	0.000055 J	0.01	0.000062 J	0.0098	0.0042	0.021
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00012	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.000962	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.032	0.36	**2.5**	**0.82**	0.0569 J	**0.943**	0.248	0.452	<0.00002	<0.00002	0.02	<0.00002	0.33	<0.00002	0.32	0.099	0.42
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00012	<0.00005	<0.00005	<0.000104	<0.000107	<0.00106	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.0004	<0.00005	<0.00005	<0.000575	<0.000592	**<0.00587**	<0.000575	<0.00008	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.0065	0.019	0.08	0.052	0.00199	0.0376	0.0257	0.0204	0.00033	<0.000021	0.00016	<0.000021	0.0065	0.00005 J	0.0087	0.00058	0.015
Phenol	*7.3*	*22*	<0.00035	<0.00018	<0.00012	<0.00005	<0.0000377	<0.0000388	0.00141 J	0.00112	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.000035	<0.000035	0.000096 J	<0.000035
Pyrene	*0.73*	*2.2*	0.00043 J	0.001	0.005	0.0031	0.000513	0.00291	0.00569	0.00406	0.0016	<0.000019	0.0017	0.00027	0.0018	0.00006 J	0.0021	0.00099	0.0035
Metals																			
Arsenic	*0.01*	*0.01*	**0.0203**	**0.0214**							0.00895	0.00329	**0.0111**	0.00244	**0.0133**	0.00343	**0.0131**	**0.0171**	**0.0128**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15B 01/05/2022	MW-15B 07/11/2022	MW-15B 01/05/2023	MW-15B 07/11/2023	MW-15B 01/17/2024	MW-15B 07/29/2024	MW-15C 01/30/2008	MW-15C 07/15/2008	MW-15C 02/04/2009	MW-15C 01/18/2010	MW-15C 06/23/2010	MW-15C 01/17/2011	MW-15C 07/13/2011	MW-15C 02/02/2012	MW-15C 07/19/2012	MW-15C 01/30/2013	MW-15C 07/30/2013
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	0.0019	0.0013	<0.0002	<0.0002	<0.0002	0.00109 J	<0.00025	0.00096 J	0.0012 J	0.001 J	0.00096 J	<0.001	<0.001	<0.0005	0.000951 J	0.000831 J
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005		<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	0.00035 J	<0.0003	<0.0003	<0.0003	0.00135 J	<0.00025	0.00068 J	0.00058 J	<0.0005	<0.0005	<0.0011	0.0017 J	<0.0005	0.000408 J	0.000203 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	0.000323 J	0.000263 J
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.00078 J	<0.0003	<0.001	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	0.000604 J	0.000839 J
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	**<0.0104**	<0.000107
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00029	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**113**	<0.000301
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	<0.000126
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00755**	<0.0000777
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00039	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00755	<0.0000777
2-Methylnaphthalene	*0.098*	*0.29*	<0.00041	0.023	0.003	<0.000076	<0.000019	0.00035 J	<0.00039	<0.00042	0.000084 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000099 J	0.00022	**0.35**	<0.000068
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00053	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0783**	<0.000806
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00024	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**<0.0528**	<0.000544
Acenaphthene	*1.5*	*4.4*	0.035	0.039	0.02	0.012	0.00099	0.0057	0.0293	0.103	0.034	0.0097	0.013	0.032	0.016	0.041	0.042	0.13	0.0574
Acenaphthylene	*1.5*	*4.4*	0.00035	0.00016	<0.000015	<0.000015	<0.000015	<0.00015	<0.00029	0.000651	0.00052	0.00041	0.00062	0.0011	0.0012	0.0013	0.002	<0.00566	0.00268
Anthracene	*7.3*	*22*	0.00075	0.0027	0.00034	0.00064	0.000015 J	<0.00014	<0.0002	0.000731	0.00078	0.00031	<0.00007	<0.00007	<0.00005	0.00021	0.00045	0.0191 J	0.0000945 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.00012	0.00026	<0.00005	<0.00005	<0.00005	<0.0005	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00755	<0.0000777
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00755**	<0.0000777
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00039	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	<0.000126
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000094 J	<0.000037	<0.000037	<0.000037	<0.00037	0.00044 J	<0.00021	<0.0002	<0.00065	<0.00059	0.00044	<0.00057	<0.0001	<0.00012	**<0.0349**	<0.000359
Chrysene	*0.91*	*2*	0.000094 J	0.00027	<0.000021	<0.000021	<0.000021	<0.00021	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00755	<0.0000777
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000059 J	<0.0104	<0.000107
Dibenzofuran	*0.098*	*0.29*	0.0074	0.018	0.0048	0.0021	<0.00002	0.00043 J	0.0336	0.0904	0.034	0.0075	0.005	0.018	0.0046	0.027	0.021	**0.116**	0.0141
Fluoranthene	*0.98*	*2.9*	0.0028	0.0056	0.0015	0.0027	0.00019	0.0011	0.000607	0.00103	0.0006	0.00029	0.0002 J	0.0003	0.00031	0.0016	0.00079	<0.0066	0.000634
Fluorene	*0.98*	*2.9*	0.0061	0.018	0.0045	0.003	0.000097 J	0.0016	0.00328	0.00278	0.0027	0.0011	0.00071	0.0017	0.00074	0.0025	0.0014	0.0769	0.00159
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00024	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00943	<0.0000971
Naphthalene	*0.49*	*1.5*	<0.019	0.28	0.094	<0.00061	0.000036 J	0.001	0.00137	0.00195	0.0016	<0.00057	<0.00094	0.00091	<0.00046	0.0011	0.0018	**89.7**	<0.00122
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00039	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0104	<0.000107
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.0575**	<0.000592
Phenanthrene	*0.73*	*2.2*	0.0004	0.019	0.0017	<0.000021	<0.000021	<0.00021	<0.0002	0.00028 J	<0.00007	0.00014 J	<0.00007	<0.00007	0.00019 J	0.0015	0.00038	0.0868	0.000354 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**61.8**	<0.0000388
Pyrene	*0.73*	*2.2*	0.002	0.0032	0.00076	0.0014	0.00018	0.00058 J	0.000542	0.00052	0.00027	0.00012 J	0.00011 J	0.00015 J	0.00018 J	0.00093	0.00046	<0.0104	0.00037 J
Metals																			
Arsenic	*0.01*	*0.01*	**0.014**	**0.0134**	0.00658	**0.0113**	**0.0157**	0.00883											

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-15C 01/14/2014	MW-15C 07/17/2014	MW-15C 01/23/2018	MW-15C 03/18/2018	MW-15C 05/15/2018	MW-15C 01/08/2019	MW-15C 07/10/2019	MW-15C 01/14/2020	MW-15C 07/14/2020	MW-15C 01/19/2021	MW-15C 07/13/2021	MW-15C 01/05/2022	MW-15C 07/11/2022	MW-15C 01/05/2023	MW-15C 07/11/2023	MW-15C 01/17/2024	MW-15C 7/29/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.000863 J	0.000781 J	0.00063 J	0.00053 J	0.00052 J	0.00058 J	0.0005 J	0.00059 J	0.00045 J	0.00067 J	0.00051 J	<0.001	0.00042 J	<0.0002	<0.0002	0.00033 J	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.000275 J	0.000219 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0061 J**	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.000305 J	0.00019 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00047 J	0.00054 J	<0.001	0.00024 J	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.000581 J	0.000392 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00106	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00298	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	0.0052	<0.00004	<0.00004	0.0001 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00125	<0.000123	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000769	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000769	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000673	<0.000066	<0.000019	<0.000019	<0.000019	<0.000019	<0.00066	<0.000019	<0.000019	<0.00045	0.000052 J	<0.0001	<0.000019	<0.000019	<0.000019	0.000078 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.00798**	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00538	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0912	0.0455	0.027	0.021	0.02	0.02	0.017	0.016	0.0049	0.015	0.022	0.024	0.0034	0.0058	0.0018	0.0015	0.00057
Acenaphthylene	*1.5*	*4.4*	<0.000577	0.00342	0.0027	0.002	0.0022	0.0014	0.0015	0.00089	0.00055	0.00071	0.0012	0.0012	0.00024	0.00025	0.00012	<0.000015	0.000057 J
Anthracene	*7.3*	*22*	<0.000481	0.000315 J	0.00047	0.000095 J	0.000067 J	0.00031	0.00064	0.00057	0.000038 J	0.00052	0.00019	0.00047	0.000036 J	0.00023	0.000098 J	0.000081 J	0.000086 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000769	<0.0000755	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.000769**	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.00125**	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00356	0.000526	<0.000067	<0.000037	0.000072 J	<0.000037	<0.000037	<0.000037	0.000065 J	<0.000037	<0.00005	0.000051 J	0.000058 J	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000769	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00106	<0.000104	<0.00002	<0.00002	0.000037 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00002	<0.00002	<0.00002	<0.00011	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.0317	0.0102	0.0081	0.0029	0.0046	0.0053	0.0039	0.0045	0.00074	0.007	0.0076	0.012	0.00097	0.003	0.00069	0.00095	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00158 J	0.000763	0.00094	0.00054	0.00074	0.00075	0.00086	0.00066	0.00032	0.00098	0.00098	0.0011	0.00035	0.00074	0.00037	0.00016	0.00018
Fluorene	*0.98*	*2.9*	0.00224 J	0.00135	0.001	0.00045	0.00064	0.00056	0.00097	0.00051	0.00017	0.0016	0.00074	0.0011	0.00014	<0.00003	<0.00003	0.00013	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000962	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.00030	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00182	<0.000748	0.00042	<0.00031	<0.00039	<0.00032	0.019	0.00024	<0.00016	<0.0012	0.0012	<0.0024	0.00025	0.00032	<0.001	0.0022	0.00061
Nitrobenzene	*0.049*	*0.15*	<0.00106	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	**<0.00587**	<0.000575	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000577	<0.0000566	<0.000021	0.00019	0.00041	<0.000021	<0.00039	0.00008 J	0.00031	<0.00045	0.000061 J	0.000088 J	0.00007 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000385	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	<0.00026	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00106	0.00043 J	0.00049	0.00035	0.00043	0.00041	0.00043	0.00038	0.00029	0.00052	0.00065	0.00064	0.00033	0.00048	0.00038	0.00014	0.00023
Metals																			
Arsenic	*0.01*	*0.01*			0.000738 J	0.000598 J	0.000777 J	0.000629 J	0.000889 J	0.000773 J	0.000914 J	<0.0004	0.000493 J	0.000739 J	0.000921 J	0.00045 J	0.000801 J	0.000609 J	0.00106 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-17 01/31/2008	MW-17 07/15/2008	MW-17 02/04/2009	MW-17 01/18/2010	MW-17 06/23/2010	MW-17 01/17/2011	MW-17 07/13/2011	MW-17 02/01/2012	MW-17 07/12/2012	MW-17 02/14/2013	MW-17 02/14/2013 Duplicate	MW-17 04/01/2013	MW-17 04/01/2013 Duplicate	MW-17 07/30/2013	MW-17 01/13/2014	MW-17 07/17/2014	MW-17 01/30/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	**<0.01**	<0.0005	<0.0025	<0.0025	<0.0025	<0.001	<0.005	<0.005			**<0.007**	**<0.007**	**<0.014**	**<0.007**	<0.0028	<0.0002
Benzene	*0.005*	*0.005*	**0.545**	**0.448**	**0.65**	**0.59**	**0.65**	**0.31**	**0.45**	**0.24**	**0.46**			**0.435**	**0.41**	**0.174**	**0.324**	**0.576**	**0.47**
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0094	<0.0005		<0.0025	<0.0025	<0.001	<0.005	<0.005			<0.006	<0.006	<0.012	<0.006	<0.0024	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.193	0.142	0.26	0.26	0.2	0.21	0.21	0.23	0.21			0.217	0.22	0.279	0.251	0.209	0.26
Methylene chloride	*0.005*	*0.005*	<0.00054	**<0.011**	<0.0005	<0.0025	**<0.0056**	<0.0025	<0.0013	**<0.0065**	**<0.01**			**<0.0075**	**<0.0075**	**0.115**	**<0.0075**	**0.0187 J**	<0.001
Toluene	*1*	*1*	0.909	0.728	**1.1**	1	0.88	0.97	0.85	0.74	0.81			0.878	0.861	0.68	0.931	0.93	0.97
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.582	0.44	0.55	0.72	0.61	0.64	0.54	0.63	0.69			0.702	0.672	0.698	0.724	0.641	0.81
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.002**	**<0.008**	<0.0001	0.001 J	<0.001	<0.0001	<0.00005	<0.0005	<0.00005	**<0.038**	**<0.038**	**<0.0423**	**<0.0423**	**<0.00534**	**<0.0529**	**<0.00519**	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	**11.7**	**13.4**	**2.6**	**3.7**	**13**	**3.9 J**	**2.7**	**3**	**4**	**7.93**	**7.03**	**11.3**	**10.4**	**3.19**	**6.75**	**13.9**	**4.3**
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0038**	**<0.021**	<0.00009	0.0009 J	<0.0009	<0.00009	<0.00005	<0.0005	<0.00005	**<0.032**	**<0.032**	**<0.05**	**<0.05**	**<0.00631**	**<0.0625**	**<0.00613**	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0038**	**<0.021**	<0.00007	0.0007 J	<0.0007	<0.00007	<0.00006	<0.0006	<0.00006	**<0.029**	**<0.029**	**<0.0308**	**<0.0308**	**<0.00388**	**<0.0385**	**<0.00377**	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.0076	<0.042	<0.00012	0.001 J	<0.001	<0.0001	<0.00005	<0.0005	<0.00005	<0.019	<0.019	<0.0308	<0.0308	<0.00388	<0.0385	<0.00377	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.42**	**0.582**	**0.27**	**0.56 J**	**0.39**	**0.97**	**0.75**	**0.29**	**0.51**	**0.443**	**0.421**	**1.04**	**1.24**	**1.04**	**0.857**	**0.636**	**0.3**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0038**	**<0.053**	<0.00008	0.0008 J	<0.0008	<0.00008	<0.00008	<0.0008	<0.00008	**<0.016**	**<0.016**	**<0.319**	**<0.319**	**<0.0403**	**<0.399**	**<0.0392**	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.0048	<0.026	<0.00007	0.0007 J	<0.0007	<0.00007	<0.00005	<0.0005	<0.00005	<0.033	<0.033	**<0.215**	**<0.215**	<0.0272	**<0.269**	<0.0264	<0.00047
Acenaphthene	*1.5*	*4.4*	0.137	0.241	0.094	0.17 J	0.071	0.52	0.22	0.13	0.14	0.159	0.155	0.36	0.369	0.353	0.315	0.195	0.084
Acenaphthylene	*1.5*	*4.4*	<0.0057	<0.032	0.0041	0.0067 J	0.003	0.008	0.0069	0.0056	0.005	<0.016	<0.016	<0.0231	<0.0231	0.0147 J	<0.0288	<0.00283	0.0029
Anthracene	*7.3*	*22*	0.0115	0.022	0.0099	0.013 J	0.0075	0.12	0.014	0.0096	0.014	<0.044	<0.044	0.0192 J	0.0822 J	0.0233 J	0.0278 J	0.0202 J	0.0065
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0038	**<0.021**	0.0004	0.0007 J	<0.0007	**0.033**	0.00047	<0.0005	0.00018 J	**<0.025**	**<0.025**	**<0.0308**	**<0.0308**	<0.00388	**<0.0385**	<0.00377	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.0038**	**<0.021**	0.00014 J	**0.0008 J**	**<0.0008**	**0.0097**	**0.00027**	**<0.0005**	<0.00005	**<0.013**	**<0.013**	**<0.0308**	**<0.0308**	**<0.00388**	**<0.0385**	**<0.00377**	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0076**	**<0.042**	<0.00009	**0.0009 J**	**<0.0009**	<0.00009	<0.00005	<0.0005	<0.00005	**<0.019**	**<0.019**	**<0.05**	**<0.05**	**<0.00631**	**<0.0625**	**<0.00613**	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0038	**<0.021**	<0.0002	0.002 J	<0.002	0.0022	<0.00044	<0.001	0.00027	**<0.059**	**<0.059**	**<0.142**	**<0.142**	**<0.018**	**<0.178**	**<0.0175**	<0.00037
Chrysene	*0.91*	*2*	<0.0038	<0.021	0.00032	0.0007 J	<0.0007	0.025	0.00047	<0.0005	0.00011 J	<0.024	<0.024	<0.0308	<0.0308	<0.00388	<0.0385	<0.00377	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0038	<0.021	<0.00007	0.0007 J	<0.0007	<0.00007	<0.00005	<0.0005	<0.00005	<0.187	<0.187	<0.0423	<0.0423	<0.00534	<0.0529	<0.00519	<0.0002
Dibenzofuran	*0.098*	*0.29*	**0.115**	**0.195**	0.079	**0.15 J**	0.065	**0.47**	**0.19**	0.093	**0.13**	**0.133 J**	**0.128 J**	**0.275**	**0.234**	**0.253**	**0.211 J**	**0.148**	0.071
Fluoranthene	*0.98*	*2.9*	0.0044	<0.021	0.0035	0.0037 J	0.0022	0.17	0.0039	0.0026	0.0034	<0.031	<0.031	<0.0269	<0.0269	0.00667 J	<0.0337	0.00429 J	0.0022
Fluorene	*0.98*	*2.9*	0.0701	0.109	0.047	0.076 J	0.039	0.42	0.12	0.059	0.082	0.0672 J	0.0489 J	0.146 J	0.0718 J	0.165	0.16 J	0.0943	0.04
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0048	<0.026	<0.00009	0.0009 J	<0.0009	<0.00009	<0.00005	<0.0005	<0.00005	<0.033	<0.033	<0.0385	<0.0385	<0.00485	<0.0481	<0.00472	<0.00025
Naphthalene	*0.49*	*1.5*	**23.6**	**25.5**	**9.7**	**16**	**15**	**16**	**19**	**10**	**14**	**15.3**	**13.8**	**25.2**	**25.6**	**25.8**	**21.3**	**15.4**	**7.4**
Nitrobenzene	*0.049*	*0.15*	<0.0076	<0.042	<0.00009	0.0009 J	<0.0009	<0.00009	<0.00005	<0.0005	<0.00005	<0.02	<0.02	<0.0423	<0.0423	<0.00534	**<0.0529**	<0.00519	<0.00024
Pentachlorophenol	*0.001*	*0.001*	**<0.0038**	**<0.021**	<0.00008	0.0008 J	<0.0008	<0.00008	<0.00005	<0.0005	<0.00005	**<0.096**	**<0.096**	**<0.235**	**<0.235**	**<0.0296**	**<0.293**	**<0.0288**	<0.00079
Phenanthrene	*0.73*	*2.2*	0.0502	0.099	0.038	0.06 J	0.033	**0.91**	0.078	0.042	0.063	0.0564 J	0.0534 J	0.124 J	0.0231 J	0.123	0.0993 J	0.0725	0.034
Phenol	*7.3*	*22*	**20.2**	**16.5**	5.5	**7.7**	**19**	3.6	3.1	3.7	6.1	**20.7**	**16.2**	**22.2**	**25.1**	1.54	6.46	**18.1**	7.1
Pyrene	*0.73*	*2.2*	0.0076	<0.021	0.002	0.0021 J	0.0012 J	0.12	0.0019	0.0018 J	0.0018	<0.033	<0.033	<0.0423	<0.0423	<0.00534	<0.0529	<0.00519	0.0011
Metals																			
Arsenic	*0.01*	*0.01*																	**0.0444**

Notes:

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3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-17 03/18/2018	MW-17 05/16/2018	MW-17 01/09/2019	MW-17 07/10/2019	MW-17 01/14/2020	MW-17 07/14/2020	MW-17 01/20/2021	MW-17 07/20/2021	MW-17 01/26/2022	MW-17 03/24/2022	MW-17 07/12/2022	MW-17 01/18/2023	MW-17 07/11/2023	MW-17 02/06/2024	MW-17 08/01/2024	MW-17C 01/30/2008	MW-17C 01/30/2008 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.002	<0.002	<0.0002	<0.0002	<0.0002	**<0.01**	<0.002	<0.0002	<0.002	<0.0002	<0.001	<0.0002	<0.005	<0.000372	<0.00052	<0.00052
Benzene	*0.005*	*0.005*	**0.55**	**0.61**	**0.35**	**0.54**	<0.0002	**0.41**	**0.3**	**0.48**	**0.42**	**0.22**	**0.5**	**0.27**	**0.61**	**0.23**	<0.00046	**0.0565**	**0.0517**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.003	<0.003	<0.0003	<0.0003	<0.0003	<0.015	<0.003	<0.0003	<0.003	<0.0003	<0.0015	<0.0003	<0.0075	<0.000455	<0.00047	<0.00047
Ethylbenzene	*0.7*	*0.7*	0.19	0.23	0.21	0.23	<0.0003	0.2	0.19	0.18	0.17	0.12	0.18	0.23	0.25	0.11	<0.000385	0.292	0.312
Methylene chloride	*0.005*	*0.005*	<0.001	**<0.01**	**<0.01**	<0.001	<0.001	<0.001	**<0.05**	**<0.01**	<0.001	**<0.01**	<0.001	<0.005	<0.001	**<0.025**	<0.00173	<0.00054	<0.00054
Toluene	*1*	*1*	0.83	0.82	0.68	0.83	<0.0002	0.65	0.61	0.75	0.79	0.37	0.75	0.65	0.91	0.43	<0.000475	0.0137	0.014
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.47	0.77	0.66	0.78	<0.0003	0.6	0.57	0.54	0.6	0.33	0.56	0.66	0.74	0.33	<0.00124	0.485	0.485
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.00021	**<0.0021**	**<0.0021**	**<0.0021**	<0.0008	**<0.04**
2,4-Dimethylphenol	*0.49*	*1.5*	**7.7**	**4.2**	**1.9**	**5.9**	<0.00004	**11**	0.2	**0.85**	**2.6**	**0.88**	**4.8**	**2.6**	**3.8**	**2.8**	**0.79**	<0.0029	<0.14
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00059	<0.00058	<0.00058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.00058	**<0.0058**	**<0.0058**	**<0.0058**	**<0.0019**	**<0.096**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.00042	**<0.0042**	**<0.0042**	**<0.0042**	**<0.0019**	**<0.096**
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	<0.0021	<0.0021	<0.0038	<0.19
2-Methylnaphthalene	*0.098*	*0.29*	**0.38**	**0.34**	**0.23**	**0.39**	<0.000019	**0.62**	**0.21**	0.094	**0.29**	**0.25**	**0.37**	**0.33**	**0.33**	**0.25**	**0.19**	**1.09**	**0.418**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.002	<0.002	<0.0019	**<0.096**
4-Nitrophenol	*0.049*	*0.15*	<0.00047	0.0076 J	<0.00047	<0.00047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.00047	<0.0047	<0.0047	<0.0047	<0.0024	**<0.12**
Acenaphthene	*1.5*	*4.4*	0.13	0.11	0.091	0.16	<0.000027	0.25	0.07	0.029	0.17	0.085	0.15	0.097	0.12	0.094	0.073	0.726	0.339
Acenaphthylene	*1.5*	*4.4*	<0.00015	0.0041	0.0029	0.0042	<0.000015	0.0039	0.0023	0.0034	0.0046	<0.00015	0.0047 J	0.0035	<0.0015	<0.0015	0.003 J	<0.0029	<0.14
Anthracene	*7.3*	*22*	0.011	0.0094	0.0057	0.0092	<0.000014	0.0086	0.0064	0.0093	0.0085	0.0063	0.014	0.0072	<0.0014	0.0076 J	0.0038 J	0.178	<0.096
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00051	<0.0005	<0.0005	<0.00005	<0.0005	0.0009 J	<0.0005	<0.0005	<0.0005	<0.005	<0.0005	<0.005	<0.005	<0.005	**0.0466**	**<0.096**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.002**	<0.0002	**<0.002**	**<0.002**	**<0.002**	**0.0128**	**<0.096**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.0003	**<0.003**	**<0.003**	**<0.003**	**<0.0038**	**<0.19**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	<0.00037	<0.00037	<0.000037	<0.00037	<0.00037	<0.00037	<0.00037	0.0017 J	<0.0037	<0.00037	<0.0037	<0.0037	<0.0037	<0.0019	**<0.096**
Chrysene	*0.91*	*2*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	0.00062	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	<0.0021	<0.0021	0.0428	<0.096
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.002	<0.002	<0.0019	<0.096
Dibenzofuran	*0.098*	*0.29*	0.092	0.082	0.072	**0.12**	<0.00002	**0.1**	0.061	0.092	0.095	0.066	**0.11**	0.069	0.086	0.071	0.051	**0.61**	**0.291**
Fluoranthene	*0.98*	*2.9*	0.003	0.0022	0.0015	0.0039	0.00011	0.003	0.0056	0.0036	0.003	0.0023	0.0098 J	0.0028	0.003 J	<0.001	0.0014 J	0.322	<0.096
Fluorene	*0.98*	*2.9*	0.057	0.051	0.043	0.06	<0.00003	0.066	0.039	0.056	0.065	0.048	0.071	0.047	0.056	0.047	0.031	0.422	0.167
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.00025	<0.0025	<0.0025	<0.0025	<0.0024	<0.12
Naphthalene	*0.49*	*1.5*	**12**	**8.1**	**5.5**	**8.9**	<0.00002	**18**	0.2	**9**	**8.9**	**5.4**	**13**	**8.2**	**7.3**	**5.3**	**5.3**	**9.8**	**6.35**
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	0.0098	<0.0024	<0.0024	<0.0024	<0.0038	**<0.19**
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.0008	<0.00079	<0.00079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.00079	**<0.0079**	**<0.0079**	**<0.0079**	**<0.0019**	**<0.096**
Phenanthrene	*0.73*	*2.2*	0.044	0.044	0.028	0.045	<0.000021	0.048	0.036	0.047	0.045	0.035	0.068	0.039	0.04	0.04	0.025	**1.09**	0.316
Phenol	*7.3*	*22*	**18**	6.5	2.2	**9.9**	<0.000035	**33**	0.6	0.4	4.8	1.8	**8.4**	5	7.3	2.2	0.68	<0.0019	<0.096
Pyrene	*0.73*	*2.2*	0.0015	0.0014	0.00081 J	0.0018	0.000066 J	0.0017	0.0036	0.0018	0.0014	0.0011	0.0058 J	0.0014	<0.0019	<0.0019	<0.0019	0.19	<0.096
Metals																			
Arsenic	*0.01*	*0.01*	**0.0419**	**0.0415**	**0.046**	**0.046**	0.00154 J	**0.0514**	**0.0584**	**0.0602**	**0.0633**	**0.0524**	**0.0483**	**0.0533**	**0.0433**	**0.0446**	**0.0534**		

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-17C 07/15/2008	MW-17C 02/04/2009	MW-17C 01/18/2010	MW-17C 06/23/2010	MW-17C 01/17/2011	MW-17C 07/13/2011	MW-17C 02/01/2012	MW-17C 07/12/2012	MW-17C 02/14/2013	MW-17C 04/01/2013	MW-17C 07/30/2013	MW-17C 01/13/2014	MW-17C 07/17/2014	MW-17C 01/31/2018	MW-17C 03/18/2018	MW-17C 05/16/2018	MW-17C 01/10/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005		<0.0014	<0.0014	<0.0007	<0.00014	<0.0002	<0.0002	<0.001	<0.0002
Benzene	*0.005*	*0.005*	**0.0426**	**0.03**	**0.0083**	**0.024**	**0.023**	**0.01**	**0.016 J**	**0.013**		**0.0114**	**0.0162**	**0.00939**	**0.0132**	**0.014**	**0.0067**	**0.0099**	**0.012**
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0005		<0.0005	<0.0005	<0.001	<0.005	<0.0005		<0.0012	<0.0012	<0.0006	<0.00012	<0.0003	<0.0003	<0.0015	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.226	0.17	0.053	0.2	0.21	0.021	0.19	0.17		0.161	0.225	0.123	0.0374	0.042	0.16	0.12	0.027
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	**<0.0065**	<0.001		0.00368 J	**0.00786 J**	<0.00075	<0.00015	<0.001	<0.001	<0.005	<0.001
Toluene	*1*	*1*	0.0102	0.008	0.0042 J	0.0071	0.0081	0.0046 J	0.0067 J	0.0057		0.0049 J	0.00743 J	0.00471 J	0.0073	0.0097	0.0038	0.0069	0.0087
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.353	0.25	0.046	0.33	0.42 J	0.029	0.22	0.21		0.217	0.27	0.141	0.0482	0.071	0.1	0.094	0.05
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	**<0.038**	<0.000106	**<0.0107**	**<0.0106**	**<0.00519**	<0.00021	<0.00021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00054 J	0.0028	0.044	0.0018	0.0035 J	**1.5**	<0.00005	0.039	0.0418 J	<0.000298	<0.0301	<0.0298	**7.09**	**0.59**	0.03	0.08	0.47
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.032**	<0.000125	**<0.0126**	**<0.0125**	**<0.00613**	<0.00058	<0.00058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	**<0.029**	<0.0000769	**<0.00777**	**<0.00769**	**<0.00377**	<0.00042	<0.00042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.019	<0.0000769	<0.00777	<0.00769	<0.00377	<0.00021	<0.00021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0954	0.085	0.063	**0.099**	0.075	0.0073	0.062	**0.1**	**0.173**	**0.176**	**0.151**	**0.144**	0.0203 J	0.094	**0.12**	**1.1**	0.025
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00053	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.016**	<0.000798	**<0.0806**	**<0.0798**	**<0.0392**	<0.0002	<0.0002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.033	0.00502	**<0.0544**	**<0.0538**	<0.0264	0.0035 J	<0.00047	0.0017	<0.000047
Acenaphthene	*1.5*	*4.4*	0.227	0.14	0.13	0.14	0.18	0.021	0.097	0.14	0.194	0.216	0.239	0.218	0.0299	0.043	0.15	1.4	0.031
Acenaphthylene	*1.5*	*4.4*	0.00251	0.0012	0.0013	0.0016	0.0017	0.00028	0.0011	0.0018	<0.016	<0.0000577	<0.00583	<0.00577	<0.00283	0.00076 J	0.002	0.0017	0.00047
Anthracene	*7.3*	*22*	0.00985	0.0084	0.0057	0.0071	0.015	0.0016	0.0048	0.008	<0.044	0.011	0.0144 J	0.0156 J	<0.00236	0.0017	0.01	0.0088	0.0012
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00021	0.00018 J	0.00013 J	0.00016 J	0.0012	0.00017 J	0.000091 J	0.00022	**<0.025**	0.00016 J	<0.00777	<0.00769	<0.00377	<0.0005	<0.0005	0.00011	0.000062 J
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00021**	<0.00008	<0.00008	<0.00008	**0.00027**	<0.00005	<0.00005	<0.00005	**<0.013**	<0.0000769	**<0.00777**	**<0.00769**	**<0.00377**	<0.0002	<0.0002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.019**	<0.000125	**<0.0126**	**<0.0125**	**<0.00613**	<0.0003	<0.0003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00021 J	<0.0002	<0.0039	<0.0018	0.0015	**<0.012**	<0.001	0.0048	**<0.059**	0.00148	**<0.0359**	**0.0491 J**	**<0.0175**	0.005	0.0053	0.0018	0.00062
Chrysene	*0.91*	*2*	<0.00021	0.00017 J	0.00012 J	0.00017 J	0.001	<0.00005	0.00013 J	0.00016 J	<0.024	0.000167 J	<0.00777	<0.00769	<0.00377	<0.00021	<0.00021	0.00011	0.000059 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.187	<0.000106	<0.0107	<0.0106	<0.00519	<0.0002	<0.0002	0.000058 J	<0.00002
Dibenzofuran	*0.098*	*0.29*	**0.19**	**0.13**	**0.11**	**0.13**	**0.19**	0.021	0.096	**0.14**	**0.16**	**0.185**	**0.199**	**0.184**	0.0255	0.039	**0.13**	**0.099**	0.027
Fluoranthene	*0.98*	*2.9*	0.00845	0.007	0.0044	0.005	0.019	0.0018	0.002	0.0048	<0.031	0.00784	0.00795 J	0.00707 J	<0.0033	0.00073 J	0.0056	0.0044	0.00078
Fluorene	*0.98*	*2.9*	0.0799	0.062	0.055	0.069	0.083	0.009	0.054	0.066	0.0785 J	0.0989	0.103	0.0907	0.0118 J	0.019	0.066	0.06	0.012
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.033	<0.0000962	<0.00971	<0.00962	<0.00472	<0.00025	<0.00025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	**5.84**	**3.4**	**2.2**	**3.4**	**4.1**	0.37	**3.3**	**4**	**0.988**	**5.9**	**4.4**	**6.24**	**0.772**	**1.8**	**4.8**	**53**	**1.1**
Nitrobenzene	*0.049*	*0.15*	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.02	<0.000106	<0.0107	<0.0106	<0.00519	<0.00024	<0.00024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.096**	<0.000587	**<0.0592**	**<0.0587**	**<0.0288**	<0.00079	<0.00079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.104	0.078	0.058	0.08	0.076	0.014	0.0081	0.076	0.106 J	0.12	0.12	0.11	0.0122 J	0.014	0.071	0.07	0.01
Phenol	*7.3*	*22*	0.0349	0.0013	0.14	<0.00007	0.00078	0.025	0.00014 J	<0.0002	0.107 J	<0.0000385	<0.00388	<0.00385	**8.33**	0.0025	0.0036	0.00022	0.033
Pyrene	*0.73*	*2.2*	0.00445	0.0033	0.0028	0.0026	0.009	0.00098	0.0025	0.0028	<0.033	0.00356	<0.0107	<0.0106	<0.00519	0.00031 J	0.0031	0.0025	0.00045
Metals																			
Arsenic	*0.01*	*0.01*														0.00112 J	0.00688	0.00479	0.0013 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
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8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-17C 07/10/2019	MW-17C 01/15/2020	MW-17C 07/14/2020	MW-17C 01/20/2021	MW-17C 07/20/2021	MW-17C 01/13/2022	MW-17C 07/12/2022	MW-17C 01/18/2023	MW-17C 07/11/2023	MW-17C 02/06/2024	MW-17C 08/01/2024	MW-18A 01/30/2008	MW-18A 07/15/2008	MW-18A 02/05/2009	MW-18A 01/18/2010	MW-18A 06/24/2010	MW-18A 01/17/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.002	<0.000372	<0.00052	<0.00052	<0.0025	<0.005	<0.0025	<0.0025
Benzene	*0.005*	*0.005*	**0.0097**	<0.0002	**0.0071**	**0.018**	**0.019**	**0.011**	**0.0081**	**0.0087**	**0.013**	<0.002	<0.00046	**0.503**	**0.321**	**0.48**	**0.51**	**0.47**	**0.55**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0015	<0.0003	<0.003	<0.000455	0.0167	0.0074	0.017 J	<0.005	<0.0025	<0.0025
Ethylbenzene	*0.7*	*0.7*	0.027	<0.0003	0.11	0.045	0.014	0.14	0.017	0.015	0.16	<0.003	<0.000385	0.555	0.153	0.52	0.48	0.54	0.55
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.005	<0.001	**<0.01**	<0.00173	<0.00054	<0.00054	<0.0025	<0.005	<0.0025	<0.0025
Toluene	*1*	*1*	0.0073	<0.0002	0.0036	0.0031	0.018	0.0045 J	0.0057	0.006	0.0037	<0.002	<0.000475	0.374	0.0718	0.23	0.32	0.45	0.35
Vinyl chloride	*0.002*	*0.002*			--		<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.002	<0.000428				**0.059**		**0.07**
Xylenes (total)	*10*	*10*	0.039	<0.0003	0.056	0.048	0.029	0.083	0.022	0.018	0.075	<0.003	<0.00124	1.13	0.292	0.98	1.2	1.2	1
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	**<0.0021**	<0.000021	**<0.0021**	<0.000021	**<0.01**	**<0.008**	<0.0008	<0.0001	<0.0001	<0.0005	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.21	<0.00004	0.17	**0.71**	**2.1**	0.076	**0.64**	0.24	<0.004	0.00097	<0.02	**12.5**	**2.17**	**1.9**	**4.5**	**7.9**	**9.6 J**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	<0.000058	**<0.0058**	<0.000058	**<0.0058**	<0.000058	**<0.029**	**<0.02**	**<0.002**	<0.00009	<0.00009	<0.00045	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042	<0.000042	**<0.0042**	<0.000042	**<0.0042**	<0.000042	**<0.021**	**<0.02**	**<0.002**	<0.00007	<0.00007	<0.00035	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	<0.0021	<0.000021	<0.0021	<0.000021	<0.01	<0.041	<0.004	<0.00012	<0.0001	<0.0005	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.026	0.000073 J	0.048	0.0082	0.025	0.052	0.016	0.0068	0.069	0.0054	0.076	**0.548**	**0.594**	**0.42**	**0.36**	**0.4**	**0.44**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002	<0.002	<0.00002	<0.002	<0.00002	**<0.01**	**<0.02**	**<0.005**	<0.00008	<0.00008	<0.0004	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00047	<0.000047	<0.00047	<0.000047	<0.0047	<0.000047	<0.0047	<0.000047	<0.024	<0.026	<0.0025	<0.00007	<0.00007	<0.00035	<0.00007
Acenaphthene	*1.5*	*4.4*	0.035	0.00023	0.079	0.027	0.039	0.085	0.042	0.022	0.095	0.019	0.11	0.343	0.466	0.19	0.23	0.25	0.24
Acenaphthylene	*1.5*	*4.4*	0.00037	<0.000015	0.0011	0.00043	0.00074 J	0.00081	<0.0015	<0.00025	<0.0015	<0.000015	<0.0075	<0.031	0.0131	0.0092	0.0062	0.0095	0.0072
Anthracene	*7.3*	*22*	0.0013	<0.000014	0.0063	0.00084	0.0017	0.0041	0.0023 J	0.00079	0.0053 J	0.0011	<0.007	<0.02	0.0114	0.009	0.0069	0.0075	0.0073
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0005	0.00016	<0.0005	<0.00005	<0.005	<0.00005	<0.005	<0.00005	**<0.025**	**<0.02**	<0.002	<0.00007	<0.00007	<0.00035	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.0002	0.00006 J	<0.0002	<0.00002	**<0.002**	<0.00002	**<0.002**	<0.00002	**<0.01**	**<0.02**	**<0.002**	<0.00008	<0.00008	**<0.0004**	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	<0.00003	**<0.003**	<0.00003	**<0.003**	<0.00003	**<0.015**	**<0.041**	**<0.004**	<0.00009	<0.00009	<0.00045	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00056	<0.000037	<0.00037	0.0012	0.0019 J	0.000078 J	<0.0037	0.000088 J	<0.0037	0.000087 J	**<0.018**	**<0.02**	<0.002	0.00033	<0.0002	<0.001	<0.0002
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.00021	0.00014	<0.00021	<0.000021	<0.0021	<0.000021	<0.0021	<0.000021	<0.01	<0.02	<0.002	<0.00007	<0.00007	<0.00035	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002	<0.002	<0.00002	<0.002	<0.00002	<0.01	<0.02	<0.002	<0.00007	<0.00007	<0.00035	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.027	0.000065 J	0.068	0.022	0.031	0.071	0.031	0.016	0.083	0.014	0.094	**0.233**	**0.29**	**0.12**	**0.15**	**0.16**	**0.15**
Fluoranthene	*0.98*	*2.9*	0.0009	0.00034	0.0034	0.00084	0.00065 J	0.0023	0.0012 J	0.00041	0.0028 J	0.00095	<0.005	<0.02	0.0021	0.0026	0.0013	0.0013	0.0014
Fluorene	*0.98*	*2.9*	0.014	0.000061 J	0.042	0.0093	0.017	0.044	0.017	0.0062	0.046	0.0074	0.051	0.155	0.182	0.089	0.096	0.11	0.094
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.000025	<0.0025	<0.000025	<0.0025	<0.000025	<0.012	<0.026	<0.0025	<0.00009	<0.00009	<0.00045	<0.00009
Naphthalene	*0.49*	*1.5*	**0.97**	0.00016	**2.6**	0.37	**0.53**	**3.3**	0.25	0.25	**2.9**	0.37	**3.7**	**7.93**	**7.43**	**3.3**	**4.3**	**6.1**	**5.9**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024	<0.0024	<0.000024	<0.0024	<0.000024	<0.012	<0.041	<0.004	<0.00009	<0.00009	<0.00045	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	<0.000079	**<0.0079**	<0.000079	**<0.0079**	<0.000079	**<0.04**	**<0.02**	**<0.002**	<0.00008	<0.00008	<0.0004	<0.00008
Phenanthrene	*0.73*	*2.2*	0.01	<0.000021	0.047	0.0048	0.012	0.045	0.016	0.0059	0.047	0.0076	0.059	0.118	0.12	0.078	0.067	0.082	0.063
Phenol	*7.3*	*22*	0.00073	<0.000035	0.18	0.049	0.1	<0.000035	<0.0035	<0.000035	<0.0035	<0.000035	<0.018	0.364	<0.002	0.005	0.043	0.0054	0.02
Pyrene	*0.73*	*2.2*	0.00046	0.00021	0.0017	0.00045	0.00037 J	0.0012	<0.0019	0.00019	<0.0019	0.00051	<0.0095	<0.02	<0.002	0.0013	0.00075	0.00063 J	0.00085
Metals																			
Arsenic	*0.01*	*0.01*	0.000854 J	0.00184 J	0.00531	0.000807 J	0.0012 J	0.00829	0.000869 J	0.000524 J	0.00545	0.000496 J	0.00898						

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-18A 07/13/2011	MW-18A 02/01/2012	MW-18A 07/11/2012	MW-18A 01/31/2013	MW-18A 07/29/2013	MW-18A 01/13/2014	MW-18A 07/16/2014	MW-18A 01/25/2018	MW-18A 03/19/2018	MW-18A 05/16/2018	MW-18A 01/10/2019	MW-18A 07/10/2019	MW-18A 01/08/2020	MW-18A 07/14/2020	MW-18A 01/20/2021	MW-18A 07/20/2021	MW-18A 01/26/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.005	<0.005	<0.005	**<0.007**	0.00405 J	**<0.014**	0.00482 J	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.005	<0.0002	**<0.01**	<0.002	<0.0002
Benzene	*0.005*	*0.005*	**0.59**	**0.28**	**0.68**	**0.636**	**0.491**	**0.239**	**0.483**	**0.19**	**0.22**	**0.17**	**1.2**	**0.16**	**0.41**	**0.59**	**0.063**	**0.29**	**0.48**
Chlorobenzene	*0.1*	*0.1*	<0.005	<0.005	<0.005	<0.006	<0.0012	<0.012	<0.0024	0.0062	0.006	0.0066	<0.0075	0.0017	<0.0075	0.00089 J	<0.015	<0.003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.39	0.55	0.3	0.316	0.398	0.637	0.692	0.36	0.36	0.43	0.34	0.28	0.32	0.22	0.24	0.25	0.32
Methylene chloride	*0.005*	*0.005*	**<0.0065**	**<0.0065**	**<0.01**	**<0.0075**	**0.00976 J**	**<0.015**	**0.0138 J**	<0.001	<0.001	<0.001	**<0.025**	<0.001	**<0.025**	<0.001	**<0.05**	**<0.01**	<0.001
Toluene	*1*	*1*	0.23	0.21	0.21	0.154	0.239	0.0731 J	0.416	0.074	0.068	0.042	0.92	0.057	0.11	0.058	<0.01	0.2	0.087
Vinyl chloride	*0.002*	*0.002*	**0.028**	**0.047**	**<0.005**	**0.0181 J**	**0.029**	**<0.011**	**0.02 J**	**0.0023**	0.002	**0.0021**	**<0.005**	0.0013	**<0.005**	**0.0035**	**<0.01**	<0.002	<0.0002
Xylenes (total)	*10*	*10*	0.73	1.1	0.51	0.519	0.991	1.27	1.3	0.97	0.79	0.91	1	0.47	0.5	0.29	0.3	0.38	0.54
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.0005	0.00005 J	<0.00108	**<0.0214**	**<0.0106**	**<0.00519**	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	**11**	**5.8**	**9.4 J**	**11.8**	**6.29**	**2.95**	**8.01**	0.023	0.12	**0.5**	0.0054	**0.72**	**1.8**	**7.9**	0.0082	**0.8**	**1.8**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.0005	0.00005 J	<0.00127	**<0.0252**	**<0.0125**	**<0.00613**	<0.00058	<0.00058	<0.00058	<0.00058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0006	0.00006 J	<0.000784	**<0.0155**	**<0.00769**	**<0.00377**	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.0005	0.00005 J	<0.000784	<0.0155	<0.00769	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.7**	**0.23**	**0.64 J**	**0.745**	**0.819**	**0.996**	**0.589**	**0.33**	**0.34**	**0.22**	**0.1**	**0.47**	**0.36**	**0.54**	**0.45**	**0.28**	**0.44**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.0008	0.00008 J	**<0.00814**	**<0.161**	**<0.0798**	**<0.0392**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.0005	0.00005 J	<0.00549	**<0.109**	**<0.0538**	<0.0264	<0.00047	<0.00047	<0.00047	<0.00047	<0.000047	0.0042	<0.00047	<0.000047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.36	0.15	0.3 J	0.464	0.493	0.553	0.352	0.25	0.23	0.24	0.048	0.3	0.33	0.32	0.29	0.15	0.26
Acenaphthylene	*1.5*	*4.4*	0.015	0.007	0.0067 J	0.0151	<0.0117	<0.00577	0.0155 J	0.0074	0.0092	0.009	0.0016	0.0056	0.0081	0.0056	0.0063	0.0043	0.0082
Anthracene	*7.3*	*22*	0.013	0.0046	0.009 J	0.0204	0.0204 J	0.0226 J	0.0192 J	0.0061	0.0079	0.0077	0.0064	0.0063	0.0082	0.0059	0.0067	0.0058	0.0099
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0005	0.00005 J	<0.000784	**<0.0155**	<0.00769	<0.00377	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.0005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	**<0.0005**	0.00005 J	**<0.000784**	**<0.0155**	**<0.00769**	**<0.00377**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.0005	0.00005 J	**<0.00127**	**<0.0252**	**<0.0125**	**<0.00613**	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	<0.0011	0.0001 J	<0.00363	**<0.0718**	**<0.0356**	**<0.0175**	<0.00037	<0.00037	<0.00037	<0.00037	<0.000037	<0.00043	<0.00037	<0.00017	<0.00037	<0.00037
Chrysene	*0.91*	*2*	<0.00005	<0.0005	0.00005 J	<0.000784	<0.0155	<0.00769	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.0005	0.00005 J	<0.00108	<0.0214	<0.0106	<0.00519	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002
Dibenzofuran	*0.098*	*0.29*	**0.23**	0.075	**0.21 J**	**0.188**	**0.279**	**0.326**	**0.204**	**0.16**	**0.15**	**0.14**	0.047	**0.19**	**0.2**	0.097	**0.19**	0.092	**0.16**
Fluoranthene	*0.98*	*2.9*	0.0018	0.0013 J	0.0016 J	<0.000686	<0.0136	<0.00673	<0.0033	0.0021	0.0023	0.0017	0.002	0.0022	0.0023	0.0014	0.0033	0.0016	0.0026
Fluorene	*0.98*	*2.9*	0.18	0.057	0.14 J	0.136	0.214	0.268	0.163	0.087	0.12	0.098	0.021	0.091	0.16	0.075	0.15	0.073	0.13
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0005	0.00005 J	<0.00098	<0.0194	<0.00962	<0.00472	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.00025
Naphthalene	*0.49*	*1.5*	**7.3**	**3.6**	**7.8 J**	**9.29**	**11.8**	**11.4**	**5.27**	**4.4**	**4.9**	**6.1**	**3.2**	**5.6**	**4.6**	**7.8**	0.2	0.2	**4.2**
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.0005	0.00005 J	<0.00108	<0.0214	<0.0106	<0.00519	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.0005	0.00005 J	**<0.00598**	**<0.118**	**<0.0587**	**<0.0288**	<0.00079	<0.00079	<0.00079	**0.014**	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.098	0.042	0.083 J	0.101	0.144	0.19	0.114	0.066	0.08	0.082	0.024	0.075	0.1	0.056	0.12	0.056	0.089
Phenol	*7.3*	*22*	0.061	0.011	0.12 J	<0.000392	<0.00777	<0.00385	<0.00189	0.0019 J	<0.00035	<0.00035	0.0032	0.00048	0.0014	0.0018 J	<0.000035	0.021	<0.00035
Pyrene	*0.73*	*2.2*	0.0011	0.00077 J	0.00081 J	<0.00108	<0.0214	<0.0106	<0.00519	0.0011	0.0012	0.0008 J	0.0012	0.0011	0.0013	0.00085 J	0.0014	0.00072 J	0.0011
Metals																			
Arsenic	*0.01*	*0.01*								0.0043	**0.0239**	**0.0291**	0.0031	**0.0248**	**0.0236**	**0.0428**	**0.016**	**0.0202**	**0.0218**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-18A 07/12/2022	MW-18A 01/19/2023	MW-18A 07/12/2023	MW-18A 01/18/2024	MW-18A 08/02/2024	MW-18C 01/30/2008	MW-18C 07/15/2008	MW-18C 02/05/2009	MW-18C 01/19/2010	MW-18C 06/24/2010	MW-18C 01/17/2011	MW-18C 07/13/2011	MW-18C 02/01/2012	MW-18C 07/11/2012	MW-18C 01/31/2013	MW-18C 07/29/2013	MW-18C 01/13/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.002	**<0.01**	<0.000372	<0.00052	<0.00052	<0.005	<0.005	<0.0025	<0.0025	**<0.01**	<0.005	<0.005	**<0.007**	**<0.014**	**<0.007**
Benzene	*0.005*	*0.005*	**0.54**	**0.29**	**0.32**	**0.62**	**0.369**	**1.34**	**0.964**	**1.4**	**1.5**	**1**	**1.3**	**1.2**	**1.3**	**1.2**	**1.51**	**1.23**	**1.51**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.003	<0.015	<0.000455	<0.00047	<0.00047	<0.005	<0.005	<0.0025	<0.0025	<0.01	<0.005	<0.005	<0.006	<0.012	<0.006
Ethylbenzene	*0.7*	*0.7*	0.17	0.34	0.12	0.38	0.246	0.304	0.178	0.26	0.21	0.13	0.18	0.16	0.19	0.15	0.203	0.22	0.245
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	**<0.01**	**<0.05**	<0.00173	<0.00054	<0.00054	<0.005	<0.005	<0.0025	<0.0025	**<0.013**	**<0.0065**	**<0.01**	**<0.0075**	**0.0688 J**	**<0.0075**
Toluene	*1*	*1*	0.027	0.12	0.01	0.42	0.289	**1.2**	0.691	1	0.96	0.72 J	0.83	0.8	0.83	0.72	0.962	0.899	**1.07**
Vinyl chloride	*0.002*	*0.002*	**0.0024**	<0.0002	<0.002	**<0.01**	**0.00866**						**<0.0025**	**<0.01**	**<0.005**	**<0.005**	**<0.0055**	**<0.011**	**<0.0055**
Xylenes (total)	*10*	*10*	0.14	0.45	0.093	0.81	0.538	1.1	0.624	1.1	1	1	1	0.9	0.82	0.84	1.01	0.881	1.02
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.001	<0.00021	<0.00021	<0.00021	<0.00021	**<0.04**	<0.0008	<0.0001	<0.0001	<0.0005	<0.0001	<0.00005	<0.0005	<0.00005	**<0.0545**	**<0.00534**	**<0.0106**
2,4-Dimethylphenol	*0.49*	*1.5*	**3.3**	0.49	0.41	**5**	**2.1**	<0.15	<0.0031	0.084	0.0081	0.0078 J	0.012 J	0.0031	0.01	<0.0021	<0.153	<0.015	<0.0298
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0029**	<0.00058	<0.00058	<0.00058	<0.00058	**<0.098**	**0.00636**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	**<0.0644**	**<0.00631**	**<0.0125**
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0021**	<0.00042	<0.00042	<0.00042	<0.00042	**<0.098**	**<0.002**	<0.00007	<0.00007	<0.00035	<0.00007	<0.00006	<0.0006	<0.00006	**<0.0396**	**<0.00388**	**<0.00769**
2-Chloronaphthalene	*2*	*5.8*	<0.001	<0.00021	<0.00021	<0.00021	<0.00021	<0.2	<0.0041	<0.00012	<0.0001	<0.0005	<0.0001	<0.00005	<0.0005	<0.00005	<0.0396	<0.00388	<0.00769
2-Methylnaphthalene	*0.098*	*0.29*	**0.4**	**0.49**	**0.14**	**0.14**	**0.15**	**0.894**	**0.674**	**0.95**	**0.46**	**0.2**	**0.31**	**0.34**	**0.16**	**0.46**	**0.977**	**0.871**	**1.06**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	**<0.098**	**<0.0051**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.0008	<0.00008	**<0.411**	**<0.0403**	**<0.0798**
4-Nitrophenol	*0.049*	*0.15*	0.026 J	<0.00047	<0.00047	<0.00047	<0.00047	**<0.12**	<0.0026	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	<0.00005	**<0.277**	<0.0272	**<0.0538**
Acenaphthene	*1.5*	*4.4*	0.25	0.28	0.087	0.088	0.097	0.293	0.251	0.18	0.17	0.082	0.14	0.12	0.062	0.13	0.32	0.265	0.317
Acenaphthylene	*1.5*	*4.4*	0.008	0.0065	<0.00015	0.0021	0.0039	<0.15	0.00649	0.0036	0.0023	0.0015	0.0019	0.0023	0.0018 J	0.0019	<0.0297	<0.00291	<0.00577
Anthracene	*7.3*	*22*	0.0091	0.0058	0.0034	0.0033	0.0042	<0.098	0.0321	0.017	0.014	0.0076 J	0.015	0.013	0.012	0.008	0.0401 J	0.0284	0.0414 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0025	<0.0005	<0.0005	0.00083 J	<0.0005	**<0.098**	0.0025	0.00039	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	0.00014 J	**<0.0396**	<0.00388	<0.00769
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.001**	<0.0002	<0.0002	<0.0002	<0.0002	**<0.098**	**<0.002**	0.00013 J	<0.00008	**<0.0004**	**0.00035**	0.00015 J	**<0.0005**	<0.00005	**<0.0396**	**<0.00388**	**<0.00769**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0015**	<0.0003	**0.013**	<0.0003	<0.0003	**<0.2**	**<0.0041**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	**<0.0644**	**<0.00631**	**<0.0125**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0018	<0.00037	<0.00037	<0.00037	<0.00037	**<0.098**	<0.002	0.00023	<0.0002	<0.001	<0.0002	<0.0001	<0.001	<0.0001	**<0.183**	**<0.018**	**<0.0356**
Chrysene	*0.91*	*2*	<0.001	<0.00021	<0.00021	0.0013	<0.00021	<0.098	0.0021	0.00033	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	0.0001 J	<0.0396	<0.00388	<0.00769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.098	<0.002	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	<0.00005	<0.0545	<0.00534	<0.0106
Dibenzofuran	*0.098*	*0.29*	**0.16**	**0.16**	0.057	0.057	0.057	**0.263**	**0.23**	**0.16**	0.091	0.077	**0.13**	**0.11**	0.06	**0.14**	**0.288**	**0.225**	**0.276**
Fluoranthene	*0.98*	*2.9*	0.0026 J	0.0017	0.001	0.0022	0.0014	<0.098	0.0169	0.0047	0.0035	0.0023	0.0059	0.0042	0.0018 J	0.0023	<0.0347	0.00865 J	0.0191 J
Fluorene	*0.98*	*2.9*	0.12	0.091	0.046	0.044	0.051	0.137	0.153	0.081	0.052	0.034	0.051	0.052	0.028	0.055	0.132 J	0.114	<0.00673
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0012	<0.00025	<0.00025	<0.00025	<0.00025	<0.12	<0.0026	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	<0.0495	<0.00485	<0.00962
Naphthalene	*0.49*	*1.5*	**4.2**	**3.3**	**0.82**	**1.2**	**2.2**	**16.6**	**16.7**	**21**	**12**	**6.2**	**13**	**12**	**9.7**	**13**	**20.2 J**	**20.9**	**20.3**
Nitrobenzene	*0.049*	*0.15*	<0.0012	<0.00024	<0.00024	<0.00024	<0.00024	**<0.2**	<0.0041	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	**<0.0545**	<0.00534	<0.0106
Pentachlorophenol	*0.001*	*0.001*	**<0.004**	<0.00079	<0.00079	<0.00079	<0.00079	**<0.098**	**0.134**	**0.026**	**0.041**	**0.02**	**0.064**	**0.076 J**	**0.085**	**0.075**	**<0.302**	**<0.0296**	**0.188**
Phenanthrene	*0.73*	*2.2*	0.087	0.072	0.034	0.032	0.036	0.213	0.177	0.076	0.052	0.032	0.055	0.052	0.027	0.055	0.155 J	0.127	0.177
Phenol	*7.3*	*22*	<0.0018	<0.00035	<0.00035	0.10	0.00	<0.098	0.0944	0.031	0.059	0.026	0.043	0.048	0.027	0.075	0.0601 J	0.0205 J	0.0184 J
Pyrene	*0.73*	*2.2*	0.0011 J	0.00071 J	<0.00019	0.0015	0.00062 J	<0.098	0.01	0.0025	0.002	0.0012	0.0028	0.0017	0.001 J	0.0011	<0.0545	<0.00534	<0.0106
Metals																			
Arsenic	*0.01*	*0.01*	**0.0252**	**0.0177**	**0.0157**	**0.0238**	**0.0233**												

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-18C 07/16/2014	MW-18C 01/25/2018	MW-18C 03/19/2018	MW-18C 05/16/2018	MW-18C 01/10/2019	MW-18C 07/10/2019	MW-18C 01/08/2020	MW-18C 07/14/2020	MW-18C 01/20/2021	MW-18C 07/15/2021	MW-18C 01/13/2022	MW-18C 07/12/2022	MW-18C 01/19/2023	MW-18C 07/12/2023	MW-18C 01/18/2024	MW-18C 08/02/2024	MW-19C 01/31/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0028	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.002	<0.001	<0.005	<0.002	<0.001	<0.0002	<0.001	<0.005	**<0.01**	<0.000372	<0.00052
Benzene	*0.005*	*0.005*	**1.45**	**1.4**	**1.3**	**1.4**	**0.3**	**1.2**	**1.1**	**0.96**	**0.3**	**0.98**	**0.89**	**0.98**	**1.2**	**1.2**	**1.2**	**0.857**	0.00398 J
Chlorobenzene	*0.1*	*0.1*	<0.0024	<0.0003	0.00052 J	<0.003	<0.003	0.00052 J	<0.003	<0.0015	<0.0075	<0.003	<0.0015	<0.0003	<0.0015	<0.0075	<0.015	<0.000455	<0.00047
Ethylbenzene	*0.7*	*0.7*	0.309	0.35	0.29	0.32	0.41	0.32	0.31	0.26	0.28	0.26	0.3	0.25	0.33	0.33	0.31	0.231	<0.00025
Methylene chloride	*0.005*	*0.005*	**0.0161 J**	<0.001	<0.001	**<0.01**	**<0.01**	<0.001	**<0.01**	<0.005	**<0.025**	**<0.01**	<0.005	<0.001	<0.005	**<0.025**	**<0.05**	<0.00173	<0.00054
Toluene	*1*	*1*	0.986	**1.1**	0.96	0.9	0.03	1	0.97	0.71	0.87	0.7	0.89	0.7	0.95	0.9	0.84	0.653	0.00596
Vinyl chloride	*0.002*	*0.002*	**<0.0022**	0.0018	**0.0026**	<0.002	<0.002	<0.0002	<0.002	<0.001									
Xylenes (total)	*10*	*10*	1.36	1	0.93	1.1	0.69	1	0.92	0.82	0.84	0.76	0.89	0.76	0.99	1	0.93	0.693	<0.00127
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.00519**	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.001	**<0.0042**	**<0.0021**	<0.00021	<0.00021	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	0.0325	<0.0004	<0.0004	0.082	0.29	0.0051	0.023	0.067	<0.0004	0.0097	0.0061	0.0092 J	<0.008	<0.004	0.0091	0.011	<0.00029
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.00613**	<0.00058	<0.00058	<0.00058	<0.00059	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0029**	**<0.012**	**<0.0058**	<0.00058	<0.00058	<0.00019
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00377**	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**0.03**	**<0.0084**	**<0.0042**	<0.00042	<0.00042	<0.00019
2-Chloronaphthalene	*2*	*5.8*	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	0.0025 J	<0.0042	<0.0021	<0.00021	<0.00021	<0.00038
2-Methylnaphthalene	*0.098*	*0.29*	**0.778**	**0.41**	**0.44**	**0.3**	**0.33**	**0.28**	**0.31**	**0.32**	**0.15**	**0.22**	**0.16**	**0.32**	**0.37**	**0.16**	0.093	**1.6**	0.00132
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0392**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	**<0.004**	<0.002	<0.0002	<0.0002	<0.00019
4-Nitrophenol	*0.049*	*0.15*	<0.0264	<0.00047	<0.00047	<0.00047	<0.00047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0024	<0.0094	<0.0047	<0.00047	<0.00047	<0.00024
Acenaphthene	*1.5*	*4.4*	0.246	0.15	0.16	0.15	0.21	0.058	0.093	0.053	0.045	0.044	0.058	0.12	0.13	0.045	0.023	0.035	0.000562
Acenaphthylene	*1.5*	*4.4*	<0.00283	0.0025	0.0035	0.003	0.0075	0.005	0.0026	0.0018	0.0017	0.0011	0.0016	0.0046 J	<0.003	<0.0015	<0.00015	0.0013	<0.00029
Anthracene	*7.3*	*22*	0.028	0.017	0.02	0.019	0.007	0.0056	0.02	0.0071	0.0066	0.0089	0.0086	<0.0007	0.023	<0.0014	0.0047	0.0059	<0.00019
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00377	0.0013	<0.0005	<0.0005	<0.00051	<0.00005	0.0025	<0.0005	0.00055 J	0.0008 J	<0.0005	<0.0025	**<0.01**	<0.005	<0.0005	<0.0005	<0.00019
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00377**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	**0.00053**	<0.0002	<0.0002	**0.00059 J**	<0.0002	**<0.001**	**<0.004**	**<0.002**	<0.0002	**0.00021 J**	<0.00019
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.00613**	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.0015**	**<0.006**	**<0.003**	<0.0003	<0.0003	<0.00038
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.0175**	<0.00037	<0.00037	<0.00037	<0.00037	<0.000037	<0.000037	<0.00037	<0.00037	<0.00037	<0.00037	<0.0018	**<0.0074**	<0.0037	<0.00037	<0.00037	<0.00019
Chrysene	*0.91*	*2*	<0.00377	0.0008 J	<0.00021	0.00038 J	<0.00021	<0.000021	0.0027	<0.00021	0.00033	0.00072	<0.00021	<0.001	<0.0042	<0.0021	<0.00021	<0.00021	<0.00019
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00519	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.004	<0.002	<0.0002	<0.0002	<0.00019
Dibenzofuran	*0.098*	*0.29*	**0.207**	**0.14**	**0.15**	**0.13**	**0.13**	0.054	0.085	0.049	0.042	0.043	0.062	**0.11**	**0.13**	0.042	0.019	0.032	0.00042 J
Fluoranthene	*0.98*	*2.9*	0.00957 J	0.0096	0.0071	0.0058	0.0023	0.0019	0.013	0.0033	0.0035	0.0053	0.0036	0.0081	0.01 J	<0.001	0.001	0.0051	<0.00019
Fluorene	*0.98*	*2.9*	0.116	0.056	0.073	0.062	0.095	0.024	0.043	0.027	0.02	0.02	0.03	0.058	0.073	0.018	0.0084	0.017	0.00044 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00472	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0012	<0.005	<0.0025	<0.00025	<0.00025	<0.00024
Naphthalene	*0.49*	*1.5*	**14.7**	**14**	**12**	**21**	**4.4**	**9.9**	**14**	**10**	**0.8**	0.2	**5.6**	**10**	**12**	**5.5**	**4**	**48**	0.0613
Nitrobenzene	*0.049*	*0.15*	<0.00519	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0012	<0.0048	<0.0024	<0.00024	<0.00024	<0.00038
Pentachlorophenol	*0.001*	*0.001*	**0.164**	**0.024**	**0.041**	**0.037**	<0.0008	**0.034**	**0.023**	**0.015**	**0.0064**	**0.019**	**0.012**	**0.011**	**<0.016**	**<0.0079**	**0.0051**	**0.0046**	<0.00019
Phenanthrene	*0.73*	*2.2*	0.122	0.072	0.086	0.078	0.084	0.026	0.065	0.027	0.023	0.028	0.034	0.073	0.095	0.018	0.011	0.023	<0.00019
Phenol	*7.3*	*22*	0.0285	0.0042	0.0067	<0.00035	<0.00035	0.005	0.0062	0.0031	0.00094 J	0.0031	0.0021	<0.0018	<0.007	<0.0035	<0.00035	<0.00035	<0.00019
Pyrene	*0.73*	*2.2*	0.00571 J	0.0055	0.0049	0.0036	0.0012	0.0014	0.0066	0.0025	0.0022	0.004	0.0021	0.0043 J	0.005 J	<0.0019	0.0013	0.0031	0.00036 J
Metals																			
Arsenic	*0.01*	*0.01*		0.00467	0.00327	0.00342	**0.0257**	0.00358	0.00283	0.0024	0.00226	<0.004	0.00113 J	0.00156 J	0.00196 J	0.00223	0.00427	0.00407	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-19C 07/15/2008	MW-19C 02/04/2009	MW-19C 01/18/2010	MW-19C 06/23/2010	MW-19C 01/18/2011	MW-19C 01/18/2011 Duplicate	MW-19C 07/14/2011	MW-19C 02/08/2012	MW-19C 07/12/2012	MW-19C 02/01/2013	MW-19C 07/30/2013	MW-19C 01/15/2014	MW-19C 07/17/2014	MW-19C 02/09/2018	MW-19C 03/18/2018	MW-19C 05/16/2018	MW-19C 01/24/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.002	<0.0002
Benzene	*0.005*	*0.005*	<0.00025	<0.0005	**0.0056**	<0.0005	<0.0005	<0.0005	<0.001	0.005	<0.0005	0.000558 J	0.00427	0.00028 J	0.0000801 J	0.0013	0.0027	0.0041 J	0.0044
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0005		<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00025	<0.0005	0.0018 J	<0.0005	<0.0005	<0.0005	<0.0011	0.0031 J	<0.0005	0.000793 J	0.0114	0.000966 J	0.000783 J	0.00091 J	0.0025	<0.003	0.004
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	**<0.01**	<0.001
Toluene	*1*	*1*	<0.00041	<0.0005	0.0076	<0.0005	<0.0005	<0.0005	<0.001	0.0085	<0.0005	0.00171	0.0155	0.00136	0.000578 J	<0.0002	0.0018	0.0042 J	0.0057
Vinyl chloride	*0.002*	*0.002*							<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	<0.0002	<0.0002	<0.002	<0.0002
Xylenes (total)	*10*	*10*	<0.00127	<0.001	0.0043 J	<0.001	<0.001	<0.001	<0.0031	0.0063 J	<0.0015	0.00151 J	0.0197	0.00207 J	0.00179 J	0.00095 J	0.0044	<0.003	0.0037
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.00023 J	<0.0001	<0.0001	0.00024	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00011	<0.000107	<0.000212	<0.000104	<0.000021	0.000099 J	0.000061 J	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00016 J	0.00125	<0.000301	<0.000596	<0.000292	0.0028	<0.00038	<0.00004	<0.00032
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00013	<0.000126	<0.00025	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00038	0.00025	0.0017	0.000079 J	0.00015 J	0.00022	0.0012	<0.00005	<0.000053	0.00084	0.000114 J	0.00142	0.000845	0.000093 J	0.00037	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00047	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00083	<0.000806	<0.0016	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00056	<0.000544	<0.00108	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00028	0.00022	0.001	0.00012 J	0.00015 J	0.0003	0.00067	0.0012	0.00017 J	<0.000608	0.00279	<0.000154	0.0007	0.0012	0.001	0.00035	0.00078
Acenaphthylene	*1.5*	*4.4*	<0.00028	<0.00006	0.00014 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00006	<0.0000583	<0.000115	<0.0000566	0.000069 J	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00019	<0.00007	0.0001 J	<0.00007	<0.00007	<0.00007	0.00015 J	<0.00005	<0.00005	0.000115 J	0.000269 J	<0.0000962	<0.0000472	0.000057 J	0.000065 J	<0.000014	0.000057 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00008	0.000111 J	<0.000154	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00013	<0.000126	<0.00025	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00027 J	<0.0002	<0.0028	<0.00036	0.00026	0.00025	<0.00039	<0.00022	0.00014 J	<0.00037	0.0012 J	<0.000712	0.000646	0.00019 J	0.0001 J	0.00016 J	0.000096 J
Chrysene	*0.91*	*2*	<0.00019	<0.00007	<0.00007	<0.00007	0.000072 J	0.000084 J	<0.00005	<0.00005	<0.00005	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00015 J	<0.00011	0.000164 J	<0.000212	<0.000104	<0.00002	<0.00002	0.000031 J	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00028	0.00017 J	0.00051	<0.00008	0.00013 J	0.0002 J	<0.0006	0.00014 J	<0.00011	0.000367 J	0.000631	0.00116	0.000554	0.00045	0.00081	0.000035 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00182	0.00015 J	0.00024	0.0021	0.0026 J	0.00062 J	0.0016	<0.00005	0.0018	0.00257	0.000309 J	0.00223	0.00169	0.000081 J	0.00064	0.00023	<0.00001
Fluorene	*0.98*	*2.9*	<0.00019	<0.00007	0.00032	0.00028	0.00032	0.00022	<0.00066	<0.00005	0.00033	0.000605	<0.000068	0.000296 J	0.000485	0.000099 J	0.00037	0.00009 J	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0001	<0.0000971	<0.000192	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.000826	0.0077	0.09	<0.0015	0.0061 J	0.0084 J	0.014	0.00077	<0.00048	0.0264 J	<0.00196	0.0383	0.0198	0.0022	0.013	<0.00061	<0.00036
Nitrobenzene	*0.049*	*0.15*	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00011	<0.000107	<0.000212	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00028 J	<0.00005	<0.00005	<0.00061	<0.000592	**<0.00117**	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00019	<0.00007	0.00016 J	<0.00007	<0.00007	0.00014 J	<0.00053	<0.00005	<0.00005	0.000166 J	0.000201 J	<0.000265	<0.0000566	<0.000021	0.000051 J	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00024	0.00023 J	0.024	0.000724 J	0.00033 J	0.00071	0.00072	<0.000035	<0.00013
Pyrene	*0.73*	*2.2*	0.00117	<0.00007	0.0002	0.0012	0.0016 J	0.0004 J	0.0014	<0.00005	0.0014	0.00207	0.000233 J	0.00191	0.00178	0.000053 J	0.00076	0.00037	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*														0.00158 J	0.00107 J	0.00294	0.00149 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-19C 07/10/2019	MW-19C 01/09/2020	MW-19C 07/14/2020	MW-19C 01/14/2021	MW-19C 07/20/2021	MW-19C 01/13/2022	MW-19C 07/12/2022	MW-19C 01/18/2023	MW-19C 07/12/2023	MW-19C 01/19/2024	MW-19C 08/01/2024	MW-20A 01/30/2008	MW-20A 07/14/2011	MW-20A 02/01/2012	MW-20A 07/16/2012	MW-20A 01/30/2013	MW-20A 01/23/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052	<0.005	<0.005	<0.0005	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	0.0004 J	0.00032 J	0.00058 J	0.0022	0.00045 J	<0.001	0.0017	<0.0002	0.0012	0.0013	<0.00046	**0.0609**	**0.098**	**0.057**	**0.089**	**0.0746**	**0.053**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047	<0.005	<0.005	<0.0005	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.00096 J	0.00064 J	0.0011	0.0013	0.0016	<0.0015	0.0019	<0.0003	0.0012	0.001	0.000545 J	0.0965	0.077	0.046	0.1	0.0619	0.05
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054	**<0.0065**	**<0.0065**	<0.001	<0.00015	<0.001
Toluene	*1*	*1*	0.00086 J	<0.0002	0.00058 J	0.0017	0.00064 J	<0.001	0.0017	<0.0002	0.0014	0.0016	<0.000475	0.00716	<0.005	<0.005	0.022	0.0028	0.0038
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.0002	<0.0002														
Xylenes (total)	*10*	*10*	0.0022	0.0012	0.002	0.0023	0.0027	<0.0015	0.0035	<0.0003	0.00091 J	0.00066 J	<0.00124	0.113	0.057 J	0.028 J	0.088	0.0549	0.05
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.000082 J	0.000078 J	<0.000021	<0.000021	<0.000021	<0.000021	0.00005 J	<0.000021	<0.000021	<0.00021	<0.000042	**<0.02**	<0.00005	<0.0005	<0.00005	**<0.00519**	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00056	<0.00004	<0.00004	<0.00004	<0.00004	0.00018 J	<0.00004	0.00022	<0.00004	<0.0004	0.00036 J	0.134	0.3	0.076	0.1	0.119	0.049
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00012	**<0.039**	<0.00005	<0.0005	<0.00005	**<0.00613**	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	0.00076	<0.000042	<0.000042	<0.00042	0.00015 J	**<0.039**	<0.00006	<0.0006	<0.00006	**<0.00377**	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000042	<0.078	<0.00005	<0.0005	<0.00005	<0.00377	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000071	<0.000019	<0.000019	<0.000019	0.00058	<0.000049	<0.000019	0.000091 J	<0.000047	0.0016	0.00056	**0.204**	**0.42**	0.064	**0.36**	**0.191**	**0.15**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00004	**<0.039**	<0.00008	<0.0008	<0.00008	**<0.0392**	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000094	**0.177**	<0.00005	<0.0005	<0.00005	<0.0264	<0.00047
Acenaphthene	*1.5*	*4.4*	0.001	0.00099	0.00084	0.00023	0.0022	0.0013	0.00096	0.0022	0.0013	0.0026	0.0008	0.113	0.2	0.15	0.19	0.12	0.14
Acenaphthylene	*1.5*	*4.4*	0.00003 J	0.00005 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.00003	<0.059	0.0017	0.0015 J	0.0015	<0.00283	0.0014
Anthracene	*7.3*	*22*	<0.000066	<0.00017	0.00007 J	0.000014	0.000063 J	0.000095 J	0.000059 J	0.000079 J	0.000051 J	<0.00014	0.000064 J	<0.039	0.0058	0.0044	0.0042	0.00589 J	0.021
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00026	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0001	**<0.039**	<0.00005	<0.0005	<0.00005	<0.00377	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00004	**<0.039**	<0.00005	**<0.0005**	<0.00005	**<0.00377**	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00006	**<0.078**	<0.00005	<0.0005	<0.00005	**<0.00613**	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000071	0.00006 J	0.00046	0.000055 J	0.000046 J	0.00031	<0.000037	<0.000037	<0.00037	<0.000074	**<0.039**	<0.00033	<0.001	<0.0001	**<0.0175**	<0.00037
Chrysene	*0.91*	*2*	<0.000021	0.00024	0.000038 J	<0.000021	<0.000021	<0.000021	0.000027 J	<0.000021	<0.000021	<0.00021	<0.000042	<0.039	<0.00005	<0.0005	<0.00005	<0.00377	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000021 J	<0.00002	<0.000043	0.000037 J	<0.00002	0.000026 J	<0.00002	<0.00002	<0.0002	<0.00004	<0.039	<0.00005	<0.0005	<0.00005	<0.00519	<0.0002
Dibenzofuran	*0.098*	*0.29*	<0.00057	0.00069	0.00057	0.00019	0.00095	0.00082	0.00042	0.00095	<0.00049	0.0015	0.00071	0.071	**0.14**	0.073	**0.15**	0.0799	0.097
Fluoranthene	*0.98*	*2.9*	0.00056	0.0011	0.00052	0.000065 J	0.00022	0.00029	0.00032	0.000077 J	0.000078 J	<0.0001	0.00016 J	<0.039	0.0007	0.00082 J	0.00061	<0.0033	0.00078 J
Fluorene	*0.98*	*2.9*	<0.00031	0.00047	0.00029	0.00012	0.001	0.00058	0.00032	0.00055	0.0004	0.00075 J	0.00063	0.045	0.11	0.06	0.11	0.0661	0.16
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00005	<0.049	<0.00005	<0.0005	<0.00005	<0.00472	<0.00025
Naphthalene	*0.49*	*1.5*	<0.0012	<0.00011	<0.00002	<0.00002	0.02	<0.00053	0.00015	0.00023	<0.00023	0.011	0.0014	**4.75**	**7.7**	**0.96**	**6.1**	**43.9**	**2.7**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000048	**<0.078**	<0.00005	<0.0005	<0.00005	<0.00519	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00016	**<0.039**	<0.00005	<0.0005	<0.00005	**<0.0288**	<0.00079
Phenanthrene	*0.73*	*2.2*	<0.00014	<0.00045	0.00015	<0.000021	0.0002	0.00018	0.00013	0.0001	<0.00012	<0.00021	0.00039	<0.039	0.039	0.03	0.043	0.0217 J	0.032
Phenol	*7.3*	*22*	<0.00015	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00007	<0.039	<0.00005	<0.0005	<0.00005	<0.00189	<0.00035
Pyrene	*0.73*	*2.2*	0.00064	0.0014	0.00072	0.000071 J	0.00029	0.00046	0.00044	0.000053 J	0.000066 J	<0.00019	0.00041	<0.039	0.0004	0.00056 J	0.0003	<0.00519	<0.00019
Metals																			
Arsenic	*0.01*	*0.01*	0.00166 J	0.0014 J	0.00108 J	0.00123 J	0.00134 J	0.00134 J	0.00142 J	0.00108 J	0.00101 J	0.0011 J	0.000978 J						0.0087

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-20A 03/19/2018	MW-20A 05/15/2018	MW-20A 01/08/2019	MW-20A 07/10/2019	MW-20A 01/14/2020	MW-20A 07/14/2020	MW-20A 01/19/2021	MW-20A 07/07/2021	MW-20A 01/11/2022	MW-20A 07/11/2022	MW-20A 01/05/2023	MW-20A 07/11/2023	MW-20A 01/17/2024	MW-20A 07/29/2024	MW-21C 01/29/2008	MW-21C 01/29/2008 Duplicate	MW-21C 07/15/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.00052
Benzene	*0.005*	*0.005*	**0.05**	**0.062**	**0.024**	**0.013**	**0.02**	**0.024**	**0.018**	**0.013**	**0.0077**	**0.0082**	**0.0082**	**0.0075**	**0.021**	**0.02**	<0.00025	<0.00025	<0.00025
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.00047
Ethylbenzene	*0.7*	*0.7*	0.027	0.045	0.024	0.0079	0.025	0.07	0.045	0.032	0.013	0.031	0.013	0.029	0.018	0.046	<0.00025	<0.00025	<0.00025
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.00054
Toluene	*1*	*1*	<0.0002	0.0055	0.00077 J	0.0011	<0.0002	0.011	0.0031	0.008	<0.001	0.0013	0.0012	0.0012	<0.0002	0.0038	<0.00041	<0.00041	<0.00041
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.033	0.048	0.022	0.022	0.024	0.091	0.048	0.043	0.02	0.025	0.02	0.028	0.028	0.063	<0.00127	<0.00127	<0.00127
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00008	<0.00008	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	0.072	0.06	0.0076	0.0035	0.0018	0.01	0.0038	0.0074	<0.00004	0.0015	<0.0004	<0.00004	<0.00004	0.0058	<0.00029	<0.00029	<0.0003
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00059	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00019	<0.00019	<0.0002
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00019	<0.00019	<0.0002
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00038	<0.00038	<0.0004
2-Methylnaphthalene	*0.098*	*0.29*	**0.15**	**0.17**	0.069	0.072	0.075	**0.23**	0.08	**0.19**	0.094	**0.25**	**0.21**	**0.11**	**0.1**	**0.13**	<0.00038	<0.00038	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00019	<0.0005
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00047	<0.00024	<0.00024	<0.00025
Acenaphthene	*1.5*	*4.4*	0.18	0.15	0.1	0.14	0.11	0.14	0.071	0.16	0.086	0.18	0.19	0.091	0.096	0.087	<0.00029	<0.00029	<0.0003
Acenaphthylene	*1.5*	*4.4*	<0.00015	0.0013	0.00057	0.00078	0.00092	0.0013	0.00067	<0.000015	0.00092	0.00096	<0.00015	0.00062	<0.000015	0.00097 J	<0.00029	<0.00029	<0.0003
Anthracene	*7.3*	*22*	0.022	0.0081	0.0058	0.0062	0.0075	0.0054	0.0045	0.006	0.0041	0.0044	0.0068	0.0034	0.0018	0.0039	0.000563	0.000562	<0.0002
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00051	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	0.000052 J	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.0005	<0.00019	<0.00019	<0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00019	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.0003	<0.00038	<0.00038	<0.0004
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00037	<0.000037	0.00018 J	0.00015 J	0.000075 J	<0.00037	0.00011 J	<0.000037	<0.00037	**0.00888**	0.00052 J	<0.0002
Chrysene	*0.91*	*2*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.000057	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00019	<0.00019	<0.0002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00019	<0.0002
Dibenzofuran	*0.098*	*0.29*	**0.13**	0.081	0.067	0.077	0.079	0.086	0.049	0.097	0.055	**0.11**	0.074	0.057	0.058	0.059	<0.00029	<0.00029	<0.0003
Fluoranthene	*0.98*	*2.9*	0.00095 J	0.00074	0.00041	0.00058	0.00067	0.0016	0.00066	0.0011	0.00077	0.00085	0.00077 J	0.00066	0.00026	0.00087 J	0.00047 J	0.00046 J	<0.0002
Fluorene	*0.98*	*2.9*	0.16	0.076	0.062	0.068	0.08	0.078	0.048	0.085	0.047	0.088	0.067	0.052	0.05	0.054	<0.00019	<0.00019	<0.0002
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00024	<0.00024	<0.00025
Naphthalene	*0.49*	*1.5*	**2.9**	**2.8**	**1.4**	**1.9**	**2**	**5.8**	**0.5**	**0.9**	**1.8**	**2.9**	**1.9**	**1.1**	**0.78**	**0.94**	<0.00038	<0.00038	<0.0004
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00024	<0.00038	<0.00038	<0.0004
Pentachlorophenol	*0.001*	*0.001*	<0.0008	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00079	<0.00019	<0.00019	<0.0002
Phenanthrene	*0.73*	*2.2*	0.037	0.034	0.025	0.026	0.028	0.046	0.019	0.043	0.022	0.044	0.029	0.024	0.023	0.032	0.00039 J	0.00039 J	<0.0002
Phenol	*7.3*	*22*	<0.00035	<0.000035	<0.000035	0.00096	<0.000035	<0.00035	0.00013 J	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00035	<0.00019	<0.00019	<0.0002
Pyrene	*0.73*	*2.2*	0.0005 J	0.00048	0.00025	0.00026	0.0003	0.00095 J	0.00036	0.00053	0.00028	0.0005	0.00037 J	0.00033	0.00017	0.00044 J	0.00039 J	0.00039 J	<0.0002
Metals																			
Arsenic	*0.01*	*0.01*	0.00568	0.00895	0.00788	0.00574	0.00808	0.0053	0.00553	0.00581	0.00595	0.00574	0.00557	0.00624	0.0087	0.00647			

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-21C 07/15/2008 Duplicate	MW-21C 02/04/2009	MW-21C 02/04/2009 Duplicate	MW-21C 01/21/2010	MW-21C 01/21/2010 Duplicate	MW-21C 06/22/2010	MW-21C 06/22/2010 Duplicate	MW-21C 01/19/2011	MW-21C 07/27/2011	MW-21C 07/27/2011 Duplicate	MW-21C 02/02/2012	MW-21C 02/02/2012 Duplicate	MW-21C 07/26/2012	MW-21C 07/26/2012 Duplicate	MW-21C 02/05/2013	MW-21C 02/05/2013 Duplicate	MW-21C 08/01/2013
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014
Benzene	*0.005*	*0.005*	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00008	<0.00008	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00012	<0.00012	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0011	<0.0011	<0.0005	<0.0005	<0.000144	<0.00011	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00015
Toluene	*1*	*1*	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00015	<0.00015	<0.00015
Vinyl chloride	*0.002*	*0.002*															<0.00011	<0.00011	
Xylenes (total)	*10*	*10*	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0031	<0.0031	<0.0015	<0.0015	<0.00026	<0.00026	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	0.000105 J
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000292	R	<0.000295
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000123	<0.000123	0.000124 J
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000755	0.0000762 J
2-Chloronaphthalene	*2*	*5.8*	<0.00039	<0.00012	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J
2-Methylnaphthalene	*0.098*	*0.29*	<0.00039	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000067 J	<0.00005	<0.00005	<0.00005	0.000271 J	<0.000066	0.0000667 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00049	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	R	0.00079 J
4-Nitrophenol	*0.049*	*0.15*	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000528	R	0.000533 J
Acenaphthene	*1.5*	*4.4*	0.00269	<0.00009	<0.00009	0.00041	0.00035	<0.00009	<0.00009	0.00034	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000237 J	<0.0000755	0.0000762 J
Acenaphthylene	*1.5*	*4.4*	<0.00029	<0.00006	<0.00006	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000566	0.0000571 J
Anthracene	*7.3*	*22*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0000527 J	<0.0000472	0.0000476 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00013 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000123	<0.000123	0.000124 J
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00019	<0.0002	0.00038	<0.00072	<0.00054	<0.00023	<0.00041	0.00062	0.00062 J	0.00036 J	<0.0001	<0.00022	<0.0001	<0.0001	<0.000349	<0.000349	0.000352 J
Chrysene	*0.91*	*2*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.000072	<0.000051	<0.000104	<0.000104	0.000105 J
Dibenzofuran	*0.098*	*0.29*	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000109 J	<0.0000755	0.0000762 J
Fluoranthene	*0.98*	*2.9*	0.00019 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	0.0000667 J
Fluorene	*0.98*	*2.9*	0.00098	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	0.0000667 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000943	0.0000952 J
Naphthalene	*0.49*	*1.5*	<0.00039	0.00039	0.00033	<0.0001	<0.0001	<0.0001	<0.00021	<0.0001	<0.00005	<0.00005	0.00093 J	0.00015 J	<0.00005	<0.00005	0.000429 J	<0.0000755	<0.0021
Nitrobenzene	*0.049*	*0.15*	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	0.000105 J
Pentachlorophenol	*0.001*	*0.001*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000575	R	0.000581 J
Phenanthrene	*0.73*	*2.2*	<0.00019	<0.00007	<0.00007	<0.00007	0.0001 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000184 J	<0.0000566	0.0000775 J
Phenol	*7.3*	*22*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000377	R	0.0000381 J
Pyrene	*0.73*	*2.2*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	0.000105 J
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-21C 08/01/2013 Duplicate	MW-21C 01/16/2014	MW-21C 01/16/2014 Duplicate	MW-21C 07/25/2014	MW-21C 07/25/2014 Duplicate	MW-21C 01/24/2018	MW-21C 01/24/2018 Duplicate	MW-21C 03/20/2018	MW-21C 03/20/2018 Duplicate	MW-21C 05/17/2018	MW-21C 05/17/2018 Duplicate	MW-21C 01/09/2019	MW-21C 01/09/2019 Duplicate	MW-21C 07/16/2019	MW-21C 07/16/2019 Duplicate	MW-21C 01/14/2020	MW-21C 01/14/2020 Duplicate
Volatile Organic Compounds																				
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.0002	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.0002	<0.0002	<0.00008	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00018	<0.00018	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00019	<0.00019	<0.00011	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00022	<0.00022	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00017	<0.00017	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.00011	<0.00011													
Xylenes (total)	*10*	*10*	<0.00026	<0.00058	<0.00058	<0.00026	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																				
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**0.00732 J**	<0.000104	<0.000104	<0.000107	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00654	<0.000292	<0.000292	<0.000301	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.0001 J	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	**0.00867 J**	<0.000123	<0.000123	<0.000126	<0.000126	<0.000059	<0.000058	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**0.00805 J**	<0.0000755	<0.0000755	<0.0000777	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	**0.023 J**	0.000042 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.003 J**	
2-Chloronaphthalene	*2*	*5.8*	0.00696 J	<0.0000755	<0.0000755	<0.0000777	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00686 J	<0.000157	<0.000187	<0.000068	<0.000068	<0.000019	<0.000019	<0.000019	<0.000019	0.000019 J	0.00012 J	<0.000019	<0.000019	0.0004 J	0.00005 J	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**0.00371 J**	<0.000783	<0.000783	<0.000806	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	0.00667 J	<0.000528	<0.000528	<0.000544	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00726 J	0.000254 J	0.000413 J	<0.0000777	<0.0000777	<0.000027	<0.000027	<0.000027	<0.000027	0.00013	0.00018	<0.000027	<0.000027	0.0057 J	0.00081 J	<0.000027	0.0002	
Acenaphthylene	*1.5*	*4.4*	0.00735 J	<0.0000566	<0.0000566	<0.0000583	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000074 J	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00775 J	0.000243 J	0.000518 J	<0.0000485	<0.0000485	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00044 J	0.00005 J	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.00807 J	0.000129 J	0.000137 J	<0.0000777	<0.0000777	<0.000051	<0.00005	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00775 J**	<0.0000755	<0.0000755	<0.0000777	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**0.00612 J**	<0.000123	<0.000123	<0.000126	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**0.00875 J**	<0.000349	<0.000349	<0.000359	<0.000359	0.000058 J	0.000072 J	<0.000037	<0.000037	0.000048 J	<0.000037	<0.000037	<0.000037	<0.00004	<0.000037	0.00035	0.000065 J	
Chrysene	*0.91*	*2*	0.00794 J	0.0000812 J	0.000132 J	<0.0000777	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00955 J	<0.000104	<0.000104	0.000184 J	0.000107 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.00726 J	<0.000258	<0.000456	<0.0000777	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	<0.00002	<0.00002	0.0032 J	0.0004 J	<0.00002	0.00017	
Fluoranthene	*0.98*	*2.9*	0.00857 J	0.000528 J	0.000866 J	<0.000068	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00081 J	0.000087 J	<0.00001	<0.00001	
Fluorene	*0.98*	*2.9*	0.00746 J	0.000291 J	0.000705 J	<0.000068	<0.000068	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0019 J	0.00025 J	<0.00003	0.00018	
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.00846 J	<0.0000943	<0.0000943	<0.0000971	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00669 J	0.000523 J	<0.000421	<0.0000777	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 J	0.0014 J	<0.00002	<0.00002	0.0044 J	0.0008 J	0.00011	0.00013	
Nitrobenzene	*0.049*	*0.15*	0.00628 J	<0.000104	<0.000104	<0.000107	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	**0.0126 J**	<0.000575	<0.000575	<0.000592	<0.000592	<0.00008	<0.000079	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00777 J	0.00128 J	0.00242 J	<0.000087	<0.0000613	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00087 J	0.00011 J	<0.000021	0.000061 J	
Phenol	*7.3*	*22*	0.00217 J	<0.0000377	<0.0000377	<0.0000388	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00018 J	0.00081 J	<0.000035	<0.000035	
Pyrene	*0.73*	*2.2*	0.00813 J	0.000355 J	0.000508 J	<0.000107	<0.000107	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00039 J	0.000033 J	<0.000019	<0.000019	
Metals																				
Arsenic	*0.01*	*0.01*						0.00128 J	0.00128 J	0.00109 J	0.00113 J	0.00116 J	0.00108 J	0.00187 J	0.00178 J	0.0013 J	0.00326	0.00109 J	0.00109 J	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-21C 07/16/2020	MW-21C 01/14/2021	MW-21C 01/14/2021 Duplicate	MW-21C 07/20/2021	MW-21C 07/20/2021 Duplicate	MW-21C 07/16/2020 Duplicate	MW-21C 01/27/2022	MW-21C 01/27/2022 Duplicate	MW-21C 07/19/2022	MW-21C 07/19/2022 Duplicate	MW-21C 02/02/2023	MW-21C 02/02/2023 Duplicate	MW-21C 07/11/2023	MW-21C 07/11/2023 Duplicate	MW-21C 02/07/2024	MW-21C 02/07/2024 Duplicate	MW-21C 08/05/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00173
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	0.00011 J	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000064 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	0.000077 J	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**0.0021 J**	**0.0027 J**	<0.000042 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.14 J**	**0.0055 J**	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000021	0.000043 J	0.000019 J	<0.000019	<0.000019	<0.000046	<0.000019	<0.000019	0.00038 J	0.00012 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000019 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	0.00014 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	0.00031 J	<0.000047 J	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00013 J	<0.000027 J	<0.000027	<0.000027	0.00061 J	<0.000027	<0.000027	0.00019 J	0.000036 J	0.00092 J	<0.000027 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	0.00018	<0.000014	<0.000014	<0.000014	0.000034 J	<0.000014	<0.000014	0.00016 J	0.000014 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014 J	0.000092 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000061	0.00034 J	0.00017 J	<0.000037	0.000066 J	<0.000087	0.00007 J	0.000057 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	0.000043	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000048 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000028	<0.000041	<0.000026	<0.00002	<0.00002	<0.000033	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00012	<0.000078	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00013 J	0.000024 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00029 J	0.000046 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000051 J	0.000028 J
Fluoranthene	*0.98*	*2.9*	<0.000019	**0.00024 J**	0.000018 J	<0.00001	<0.00001	<0.000067	<0.00001	<0.00001	0.00032 J	0.000011 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000013 J
Fluorene	*0.98*	*2.9*	<0.00003	0.00016 J	0.000031 J	<0.00003	<0.00003	<0.00006	<0.00003	<0.00003	0.00028 J	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000052 J	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025 J	0.000011 J	<0.000025
Naphthalene	*0.49*	*1.5*	<0.000042	0.000067 J	0.000053 J	0.000039 J	<0.00002	<0.00016	0.00037 J	0.00017 J	0.0017	0.0016	0.000043 J	0.000037 J	<0.00002	<0.000063	<0.00002	<0.0002	<0.000036
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00066 J	0.000053 J	<0.000021	<0.000021	<0.000026	<0.000021	<0.000021	0.00083 J	0.000037 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000039
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.000044 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	0.00018 J	0.000019 J	<0.000019	<0.000019	0.000044 J	<0.000019	<0.000019	0.00019 J	0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019 J	0.000052 J	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000873 J	0.00118 J	0.00113 J	0.00115 J	0.00121 J	0.00091 J	0.00078 J	0.000884 J	0.000835 J	0.00102 J	0.00181 J	0.000913 J	0.00121 J	0.00113 J	0.0014 J	0.00199 J	<0.000871

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-22A 01/29/2008	MW-22A 07/14/2008	MW-22A 02/03/2009	MW-22A 01/15/2010	MW-22A 06/29/2010	MW-22A 01/25/2011	MW-22A 07/21/2011	MW-22A 02/15/2012	MW-22A 07/18/2012	MW-22A 01/23/2014	MW-22A 07/30/2014	MW-22AR 02/08/2018	MW-22AR 03/25/2018	MW-22AR 05/31/2018	MW-22AR 01/22/2019	MW-22AR 07/31/2019	MW-22AR 02/10/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00025	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0002	0.00296	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	0.000549	0.0403	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00041	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	0.000307 J	0.00925	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.00127	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	0.000834 J	0.0569	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000304	<0.000307	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000784	<0.0000792	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00039	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00039	<0.00038	<0.00007	<0.00007	<0.00007	0.00072	<0.00005	<0.00005	<0.00059	<0.0000686	0.00603	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00012
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000814	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00024	<0.00024	<0.00007	0.00007 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000549	<0.000554	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00029	<0.00028	<0.00009	<0.00009	<0.00009	0.00015 J	<0.00005	0.00009 J	<0.00031	0.00557	0.0783	<0.000027	<0.000028	<0.000027	0.00071	<0.000027	<0.00015
Acenaphthylene	*1.5*	*4.4*	<0.00029	<0.00028	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000742	0.000943	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0002	<0.00019	0.0002	<0.00007	<0.00007	0.00011 J	<0.00005	0.000058 J	0.0004	<0.000939	0.00265	<0.000014	<0.000014	0.00017	0.000028 J	<0.000014	0.0002
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0002	<0.00019	0.00015 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00011 J	<0.0000784	<0.0000792	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	0.00029
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0001
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**0.0104**	<0.00019	0.00033	0.0013	<0.0012	<0.0002	0.0015	<0.0011	0.00011 J	<0.000363	0.000703	0.0033	<0.000038	0.0001 J	0.000065 J	<0.000037	0.00011 J
Chrysene	*0.91*	*2*	<0.0002	<0.00019	0.00014 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0001 J	<0.0000784	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00032
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00019	0.00017 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000866	<0.000109	<0.00002	<0.00002	<0.00002	0.00051	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008	0.00015 J	<0.00005	0.000074 J	<0.00048	0.001	0.0224	<0.00002	<0.00002	<0.00002	0.000029 J	<0.00002	<0.00015
Fluoranthene	*0.98*	*2.9*	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.000086 J	<0.00041	0.000362 J	0.00247	<0.00001	<0.00001	<0.00001	0.000079 J	<0.00001	0.0015
Fluorene	*0.98*	*2.9*	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.0001 J	<0.00005	0.00008 J	<0.00029	0.000468 J	0.0175	<0.00003	<0.000031	<0.00003	0.00014	<0.00003	0.00019
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000098	<0.000099	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00039	<0.00038	<0.0001	<0.0001	<0.0001	0.0035	0.0001 J	0.00024	<0.0018	<0.0034	**0.792**	<0.00017	0.00012	<0.00002	<0.00002	<0.00002	<0.00044
Nitrobenzene	*0.049*	*0.15*	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.0002	<0.00019	<0.00008	0.00008 J	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000598	<0.000604	<0.00008	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.00028	<0.00005	0.0002 J	<0.0015	<0.000478	0.000604	<0.000021	0.00012	<0.000021	0.000068 J	<0.000021	0.0015
Phenol	*7.3*	*22*	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.00017 J	<0.00005	<0.00005	<0.00005	<0.0000392	<0.0000396	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000041
Pyrene	*0.73*	*2.2*	<0.0002	<0.00019	0.00013 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000055 J	<0.00033	<0.000108	0.00106	<0.000019	<0.000019	<0.000019	0.000084 J	<0.000019	0.001
Metals																			
Arsenic	*0.01*	*0.01*												0.000896 J	0.000716 J	0.00293	0.00488	0.000481 J	0.00352

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-22AR 07/20/2020	MW-22AR 01/13/2021	MW-22AR 07/14/2021	MW-22AR 01/27/2022	MW-22AR 07/26/2022	MW-22AR 01/26/2023	MW-22AR 07/19/2023	MW-22AR 01/25/2024	MW-22AR 08/05/2024	MW-22B 01/29/2008	MW-22B 07/14/2008	MW-22B 02/03/2009	MW-22B 01/15/2010	MW-22B 06/29/2010	MW-22B 01/25/2011	MW-22B 07/21/2011	MW-22B 02/15/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.00025	0.00313 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	<0.00025	0.00262 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	<0.00041	<0.00138	<0.0005	<0.0005	0.00053 J	<0.0005	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.00127	0.00339 J	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.0003	<0.0003	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.00014 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.0002	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.0004	<0.0004	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.00075	<0.000019	<0.00019	<0.000019	<0.000019	<0.0004	<0.0004	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00044
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00025	<0.00025	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000028	<0.000027	<0.000027	0.0019	<0.000027	<0.00027	0.0043	<0.000027	0.0121	0.182	0.022	0.00016 J	0.0093	0.00022	0.003	0.068
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.0003	0.00192	0.00034	<0.00007	0.00012 J	<0.00007	<0.00005	0.00046
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000032 J	0.00061	<0.000014	<0.00014	<0.000014	<0.000014	0.000948	0.00575	0.00071	<0.00007	0.00031	<0.00007	0.00011 J	0.0017
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	0.000099 J	<0.00005	<0.0005	<0.00005	<0.00005	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	**0.0073**	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00036	0.000095 J	0.00006 J	<0.000037	<0.000037	<0.00037	<0.000037	<0.000037	0.00172 J	<0.0002	0.00053	0.00022	<0.00061	<0.0002	0.00041	<0.00051
Chrysene	*0.91*	*2*	<0.000021	<0.000022	<0.000021	<0.000021	0.00006 J	<0.000021	<0.00021	<0.000021	<0.000021	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000033 J	0.00004 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	0.00066 J	<0.0002	0.00018 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00051	<0.00002	<0.0002	0.000075 J	<0.00002	0.00363	0.0674	0.0051	0.00026	0.0019	<0.00008	0.00068	0.0079
Fluoranthene	*0.98*	*2.9*	<0.00001	0.000025 J	<0.00001	<0.00001	0.0012	<0.00001	<0.0001	0.00026	<0.00001	0.00029 J	0.00661	0.0011	0.00011 J	0.00061	<0.00007	0.00019 J	0.0022
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.0006	<0.00003	<0.0003	0.00096	<0.00003	0.00199	0.0395	0.0018	<0.00007	0.0018	<0.00007	0.00049	0.0035
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00029
Naphthalene	*0.49*	*1.5*	<0.00002	<0.000021	<0.00011	0.00014	0.0024	<0.00002	<0.0002	0.000083 J	<0.000032	0.000691	0.00435	0.00017 J	0.00012 J	0.00036	<0.0001	<0.00005	0.0032
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000022	<0.000021	<0.000021	<0.0016	<0.000021	<0.00021	<0.000021	<0.000021	<0.0002	0.000764	<0.00007	0.00015 J	<0.00007	<0.00007	<0.00005	0.00026
Phenol	*7.3*	*22*	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.000027 J	<0.000019	0.00075	<0.000019	<0.00019	0.00012	<0.000019	<0.0002	0.00239	0.00047	<0.00007	0.00027	<0.00007	0.00012 J	0.001
Metals																			
Arsenic	*0.01*	*0.01*	0.00822	0.00507	0.00915	0.0015 J	0.0036	0.001 J	0.00206	0.00397	<0.0004								

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-22B 07/18/2012	MW-22B 01/23/2014	MW-22B 07/30/2014	MW-22B 08/28/2014	MW-22BR 02/08/2018	MW-22BR 03/25/2018	MW-22BR 05/31/2018	MW-22BR 01/22/2019	MW-22BR 07/31/2019	MW-22BR 02/10/2020	MW-22BR 07/20/2020	MW-22BR 01/13/2021	MW-22BR 07/19/2021	MW-22BR 01/21/2022	MW-22BR 07/26/2022	MW-22BR 01/26/2023	MW-22BR 07/19/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0002	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.0042 J	0.000304 J	0.00185	0.00238	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.00018	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0088	0.0022	0.0255	0.0275	0.00034 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00022	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0033 J	0.00133	0.00584	0.00752	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.00011													
Xylenes (total)	*10*	*10*	0.0057 J	0.00409	0.0362	0.0383	0.00082 J	<0.0003	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.000108	<0.000109	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.000304	0.00107	<0.00031	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.002	<0.0004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.000127	<0.000129	<0.00013	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0000784	<0.0000792	<0.00008	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00011 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00063	0.000414 J	0.00721	0.00663	0.00056	0.000067 J	0.000071 J	<0.000019	<0.000019	<0.000043	<0.000019	<0.000019	<0.000019	<0.000019	<0.00032	<0.000019	<0.00019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000814	<0.000822	<0.00083	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.000549	<0.000554	<0.00056	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.18	0.0244	0.0762	0.123	0.034	0.044	0.047	0.022	<0.000027	0.018	0.0024	0.000066 J	0.00071	0.017	<0.00019	<0.000027	0.0031
Acenaphthylene	*1.5*	*4.4*	0.0018	0.000886	0.000641	0.00132	<0.000015	0.00096	0.00041	<0.000015	<0.000015	0.00018	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015
Anthracene	*7.3*	*22*	0.0067	<0.00146	0.00292	0.00404	0.00039	0.00062	0.0013	0.00048	<0.000014	0.00042	<0.000014	0.000056 J	<0.000014	0.00021	<0.00014	<0.000014	<0.00014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.000127	<0.000129	<0.00013	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	<0.000363	0.000672	<0.00037	<0.000037	<0.000038	<0.000037	<0.000037	<0.000037	0.000075 J	0.000064 J	0.000072 J	0.000039 J	<0.000037	<0.000037	<0.000037	<0.00037
Chrysene	*0.91*	*2*	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.000873	<0.000109	<0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	0.000035 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.046	0.00784	0.0238	0.0409	0.00066	0.00049	0.0011	0.00029	<0.00002	<0.00029	0.000057 J	0.000055 J	<0.00002	0.00012	<0.0002	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.0065	0.00187	0.00304	0.00282	0.00098	0.0011	0.0028	0.0011	<0.00001	0.0017	0.0005	0.00015	0.00035	0.0022	<0.00025	0.000022 J	0.0004 J
Fluorene	*0.98*	*2.9*	0.019	0.00521	0.0198	0.0355	0.002	0.0017	0.0046	0.0025	<0.00003	0.0026	0.00036	0.00029	0.000082 J	0.00086	<0.00014	<0.00003	<0.0003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.000098	<0.000099	<0.0001	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Naphthalene	*0.49*	*1.5*	0.032	0.13 J	**0.832**	**0.977**	0.0038	0.0008	0.00044	0.00017	<0.00002	<0.00013	<0.00002	<0.00002	<0.00002	0.00013	0.0014	<0.00002	<0.0002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000108	<0.000109	<0.00011	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000598	<0.000604	<0.00061	<0.00008	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.0027	<0.000562	0.00053	<0.00006	0.00081	0.00018	0.00039	<0.000021	<0.000021	<0.00013	<0.000021	0.000026 J	<0.000021	<0.000021	<0.00049	<0.000021	<0.00021
Phenol	*7.3*	*22*	0.0001 J	<0.0000392	<0.0000396	<0.00004	<0.000035	<0.000036	<0.000035	<0.000035	0.00069	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035
Pyrene	*0.73*	*2.2*	0.0033	0.000876	0.00123	0.0023	0.00062	0.00077	0.0015	0.00046	<0.000019	0.00082	0.00023	0.000065 J	0.00015	0.00095	<0.00018	<0.000019	<0.00019
Metals																			
Arsenic	*0.01*	*0.01*					**0.0219**	**0.0159**	**0.0301**	**0.0535**	0.000559 J	**0.016**	0.00882	<0.00201	0.00843	**0.0261**	0.00357	0.00191 J	0.00603

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-22BR 01/25/2024	MW-22BR 08/05/2024	MW-23C 02/04/2009 DNAPL	MW-23C 01/18/2010 DNAPL	MW-23C 06/23/2010 DNAPL	MW-23C 01/19/2011 DNAPL	MW-23C 07/22/2011 DNAPL	MW-23C 02/02/2012 DNAPL	MW-23C 07/12/2012 DNAPL	MW-23C 02/11/2013 DNAPL	MW-23C 07/31/2013 DNAPL	MW-23C 01/15/2014 DNAPL	MW-23C 08/28/2014 DNAPL	MW-23C 01/09/2020 DNAPL	MW-23C 07/14/2020 DNAPL	MW-23C 01/21/2021	MW-23C 07/23/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.000372	<0.0005	<0.0005	<0.005	<0.005	**<0.01**	**<0.01**	<0.0005	<0.00014	<0.0014	<0.0002	<0.0014	<0.001	<0.0002	<0.0002	<0.005
Benzene	*0.005*	*0.005*	<0.0002	<0.00046	**0.017**	**0.012**	**0.0095 J**	**0.0072 J**	**<0.01**	**<0.01**	**0.0071**	**0.0111**	**0.0138**	**0.0126**	**0.00596 J**	0.0027 J	0.0014	0.0021	<0.005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.000455	0.001 J		<0.005	<0.005	<0.01	<0.01	<0.0005	0.000279 J	0.00146 J	<0.00018	<0.0012	<0.0015	<0.0003	<0.0003	<0.0075
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.000385	0.13	0.074	0.12	0.13	0.1	0.1	0.17	0.151	0.185	0.165	0.15	0.028	0.021	0.032	0.041
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00173	<0.0005	<0.0005	**<0.0092**	<0.005	**<0.013**	**<0.013**	<0.001	<0.00015	<0.0015	<0.00022	<0.0015	<0.005	<0.001	<0.001	**<0.025**
Toluene	*1*	*1*	<0.0002	<0.000475	0.0023 J	0.0012 J	<0.005	<0.005	<0.01	<0.01	0.0025 J	0.00433	0.00819 J	0.00728	0.00378 J	<0.001	0.0022	0.0029	0.01 J
Vinyl chloride	*0.002*	*0.002*						**<0.005**	**<0.01**	**<0.01**	<0.0005	<0.00011	<0.0011	<0.00018	<0.0011		<0.0002		
Xylenes (total)	*10*	*10*	<0.0003	<0.00124	0.073	0.044	0.069 J	0.059 J	0.048 J	0.039 J	0.11	0.0884	0.0988	0.0959	0.0915	0.025	0.017	0.024	0.03
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.0001	<0.0001	**<0.005**	<0.0001	<0.00005	<0.0005	<0.001	<0.001	**<0.00534**	**<0.0259**	**<0.022**	<0.00021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00008	<0.00008	<0.004	<0.00008	0.0035	0.0014 J	0.028	<0.00282	<0.015	<0.0731	0.202	<0.047	0.022	0.0069	0.015
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00009	<0.00009	**<0.0045**	<0.00009	<0.00005	<0.0005	<0.001	<0.00118	**<0.00631**	**<0.0307**	**<0.026**	<0.00058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00007	<0.00007	**<0.0035**	<0.00007	<0.00006	<0.0006	<0.0012	<0.000727	**<0.00388**	**<0.0189**	**<0.016**	<0.00042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00012	<0.0001	<0.005	<0.0001	<0.00005	<0.0005	<0.001	<0.000727	<0.00388	<0.0189	<0.016	<0.00021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.002	0.000019	**2.6**	**0.75**	**2.7**	**1.2**	**1.3**	**0.65**	**28**	**1.38**	**1.16**	**4.52**	**18.3**	**0.12**	0.041	0.067	0.089
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00008	<0.00008	**<0.004**	<0.00008	<0.00008	<0.0008	<0.0016	**<0.00755**	**<0.0403**	**<0.196**	**<0.166**	<0.0002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005	<0.0005	<0.001	<0.00509	<0.0272	**<0.132**	**<0.112**	<0.00047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.0087	0.0043	**3.4**	1.2	**3.4**	**1.6**	**2**	0.89	**39**	**1.78**	**1.58**	**7.79**	**25.9**	0.21	0.06	0.095	0.11
Acenaphthylene	*1.5*	*4.4*	0.000076 J	0.000032 J	0.017	0.01	0.03	0.012	0.015	0.0068	0.45	<0.000545	<0.00291	<0.0142	0.336	0.0029	0.0014	0.0013	0.0013
Anthracene	*7.3*	*22*	0.0004	<0.000014	1.2	0.36	1.2	0.4	1.7	0.25	**16**	0.641	0.31	1.49	**8.74**	0.035	0.016	0.027	0.017
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	**0.31**	**0.12**	**0.3**	**0.12**	**0.15**	**0.046**	**4.8**	**0.104**	**0.0905**	**0.5**	**2.63**	0.008	0.0053	0.0083	0.0029
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	**0.072**	**0.029**	**0.093**	**0.04**	**0.044**	**0.016**	**1.2**	**0.0283**	**0.0235 J**	**0.119**	**0.73**	**0.0022**	**0.0017**	**0.0026**	**0.0008 J**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00009	<0.00009	**<0.0045**	<0.00009	<0.00005	<0.0005	**<0.001**	**<0.00118**	**<0.00631**	**<0.0307**	**<0.026**	<0.0003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	0.002	<0.0011	**<0.01**	0.0014	0.0019	<0.001	**0.042**	<0.00336	**<0.018**	**<0.0873**	**<0.074**	<0.00037	0.00015 J	<0.00014	<0.00037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.28	0.093	0.27	0.099	0.21	0.044	**4.3**	0.103	0.0819	0.476	**2.24**	0.0072	0.004	0.0074	0.0031
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005	<0.0005	<0.001	<0.001	<0.00534	<0.0259	<0.022	<0.0002	<0.00002	<0.00002	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.001	0.000074 J	**3.5**	**1.2**	**3.6**	**1.6**	**2.7**	**0.85**	**46**	**1.82**	**1.48**	**5.45**	**25.7**	**0.17**	0.051	0.092	**0.11**
Fluoranthene	*0.98*	*2.9*	0.00072	0.0004	**3**	0.77	**3**	**0.99**	**1.8**	0.48	**34**	**1.09**	0.812	**4.42**	**20.4**	0.068	0.029	0.068	0.035
Fluorene	*0.98*	*2.9*	0.0024	0.0011	**2.5**	0.82	**2.6**	0.88	**2**	0.57	**32**	**1.19**	0.874	**3.78**	**20.5**	0.12	0.041	0.072	0.062
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00009	<0.00009	<0.0045	<0.00009	<0.00005	<0.0005	<0.001	<0.000909	<0.00485	<0.0236	<0.02	<0.00025	<0.000025	<0.000025	<0.00025
Naphthalene	*0.49*	*1.5*	0.0092	<0.00006	**9.9**	**3.9**	**8.9**	**8.5**	**7.5**	**7.8**	**83**	**12.2**	**13.2**	**43.8**	**57.9**	**0.66**	**0.92**	**0.63**	0.18
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00009	<0.00009	<0.0045	<0.00009	<0.00005	<0.0005	<0.001	<0.001	<0.00534	<0.0259	<0.022	<0.00024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00008	<0.00008	**<0.004**	<0.00008	<0.00005	<0.0005	<0.001	**<0.00555**	**<0.0296**	**<0.144**	**<0.122**	<0.00079	0.00065	0.00031	<0.00079
Phenanthrene	*0.73*	*2.2*	0.0012	<0.000021	**8.8**	**2.7**	**8.2**	**3.6**	**3.8**	**1.9**	**130**	**3.48**	**2.8**	**18.2**	**59.4**	0.25	0.098	0.23	0.12
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005	0.0011 J	<0.001	<0.000364	<0.00194	<0.00943	<0.008	0.0079	0.0098	<0.00036	<0.00035
Pyrene	*0.73*	*2.2*	0.00036	0.00018	**1.6**	0.59	**1.9**	0.6	**1.1**	0.35	**21**	**0.754**	0.515	**3.04**	**13.3**	0.043	0.018	0.041	0.022
Metals																			
Arsenic	*0.01*	*0.01*	**0.0103**	0.00801												0.00333	0.00196 J	0.00172 J	0.00229

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-23C 01/13/2022	MW-23C 07/12/2022	MW-23C 01/18/2023	MW-23C 07/12/2023	MW-23C 01/19/2024	MW-23C 08/02/2024	MW-25A 01/28/2008	MW-25A 07/14/2008	MW-25A 02/03/2009	MW-25A 01/15/2010	MW-25A 06/30/2010	MW-25A 01/26/2011	MW-25A 01/26/2011 Duplicate	MW-25A 07/20/2011	MW-25A 02/08/2012	MW-25A 07/18/2012	MW-25A 02/06/2013
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0002	<0.001	<0.002	**<0.01**	<0.000372	<0.00245	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014
Benzene	*0.005*	*0.005*	**0.0055**	**0.0058**	**0.013**	**0.0095 J**	**0.11**	**0.0106**	<0.00257	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.0015	<0.0003	<0.0015	<0.003	<0.015	<0.000455	<0.00239	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	0.000497 J
Ethylbenzene	*0.7*	*0.7*	0.083	0.17	0.16	0.1	0.1	0.113	<0.00203	<0.00025	0.0029 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.005	<0.001	<0.005	**<0.01**	**<0.05**	<0.00173	<0.00195	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015
Toluene	*1*	*1*	0.0072	0.019	0.03	0.023	0.12	0.0241	<0.00274	<0.00041	0.00074 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015
Vinyl chloride	*0.002*	*0.002*														<0.001	<0.001	<0.0005	<0.00011
Xylenes (total)	*10*	*10*	0.065	0.12	0.12	0.08	0.15 J	0.0882	<0.00581	<0.00127	0.0047 J	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	**<0.0021**	<0.00021	<0.00021	**0.0016**	<0.00021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106
2,4-Dimethylphenol	*0.49*	*1.5*	0.047	0.03	0.04	0.024	0.037	0.023	<0.00029	<0.00033	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000298
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	**<0.0058**	<0.00058	<0.00058	0.0012	<0.00058	<0.00019	<0.00022	<0.00009	<0.00009	0.00066	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	**<0.0042**	<0.00042	<0.00042	0.0012	<0.00042	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000769
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.0021	<0.00021	<0.00021	0.00019 J	<0.00021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769
2-Methylnaphthalene	*0.098*	*0.29*	**0.2**	**0.82**	**0.26**	**0.37**	**0.19**	**0.15**	<0.00038	<0.00044	0.024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000061	<0.0000673
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.002	<0.0002	<0.0002	<0.00002	<0.0002	<0.00019	<0.00022	<0.00008	<0.00008	0.00026	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000798
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.0047	<0.00047	<0.00047	<0.000047	<0.00047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000538
Acenaphthene	*1.5*	*4.4*	0.16	0.81	0.19	0.28	0.13	0.1	0.00038 J	<0.00033	0.034	0.0014	0.0012	0.00054	0.00052	0.0042	0.00053	<0.00005	0.000171 J
Acenaphthylene	*1.5*	*4.4*	0.0038	0.012	0.0019	<0.00015	0.0014	0.0012	<0.00029	<0.00033	0.0004	<0.00007	0.00034	<0.00007	<0.00007	0.000053 J	<0.00005	<0.00005	<0.0000577
Anthracene	*7.3*	*22*	0.098	0.22	0.011	0.013	0.011	0.0068	0.00067	<0.00022	0.0005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000481
Benzo(a)anthracene	*0.0091*	*0.02*	0.0016	**0.057**	0.001	<0.0005	0.0018	<0.0005	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0003 J**	**0.016**	<0.0002	<0.0002	**0.00087**	<0.0002	<0.00019	**<0.00022**	<0.00008	<0.00008	0.00012 J	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	**<0.003**	<0.0003	<0.0003	**0.0064**	<0.0003	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.0037	<0.00037	<0.00037	0.00007 J	<0.00037	0.00021 J	<0.00022	0.00033	<0.0002	<0.00056	<0.0002	0.00046	<0.00023	<0.0001	<0.0001	<0.000356
Chrysene	*0.91*	*2*	0.0018	0.051	0.00088 J	<0.00021	0.0016	<0.00021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0022	<0.002	<0.0002	<0.0002	<0.00002	<0.0002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000106
Dibenzofuran	*0.098*	*0.29*	**0.17**	**0.79**	**0.19**	**0.26**	**0.13**	0.093	0.000601	<0.00033	0.018	<0.00008	0.00034	<0.00008	<0.00008	0.0013	0.0005	<0.00005	<0.0000769
Fluoranthene	*0.98*	*2.9*	0.024	0.45	0.012	0.0081	0.013	0.0057	0.000556	<0.00022	0.00057	0.000084 J	0.000092 J	<0.00007	<0.00007	0.00014 J	<0.00005	<0.00005	<0.0000673
Fluorene	*0.98*	*2.9*	0.086	0.5	0.078	0.097	0.062	0.05	0.00033 J	<0.00022	0.0049	<0.00007	<0.00007	<0.00007	<0.00007	0.00016 J	0.00011 J	<0.00005	<0.0000673
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.0025	<0.00025	<0.00025	0.00049	<0.00025	<0.00024	<0.00028	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962
Naphthalene	*0.49*	*1.5*	**2.1**	**9.9**	**4**	**4.4**	0.00025	**2.1**	0.0011	<0.00044	0.45	<0.0001	0.00024	0.00018 J	0.00027	<0.00005	0.00017 J	<0.00038	<0.000692
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.0024	<0.00024	<0.00024	<0.000024	<0.00024	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106
Pentachlorophenol	*0.001*	*0.001*	<0.00079	**<0.0079**	<0.00079	<0.00079	0.00015 J	<0.00079	<0.00019	<0.00022	<0.00008	<0.00008	0.00033	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000587
Phenanthrene	*0.73*	*2.2*	0.047	**2**	0.11	0.13	0.085	0.056	0.000715	<0.00022	0.0034	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577
Phenol	*7.3*	*22*	<0.00097	<0.0035	0.054	<0.00035	<0.000035	<0.00035	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00005 J	<0.00005	<0.0000385
Pyrene	*0.73*	*2.2*	0.017	0.3	0.0071	0.0046	0.0083	0.003	0.000484	<0.00022	0.00036	0.00047	0.00015 J	<0.00007	<0.00007	0.0009	<0.00005	<0.00005	<0.000106
Metals																			
Arsenic	*0.01*	*0.01*	0.00281	0.00255	0.00833	0.00784	0.00513	0.00437											

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-25A 08/06/2013	MW-25A 01/22/2014	MW-25A 07/29/2014	MW-25A 01/31/2018	MW-25A[8] 03/27/2018	MW-25A 05/31/2018	MW-25A 01/15/2019	MW-25A 07/16/2019	MW-25A 01/15/2020	MW-25A 07/22/2020	MW-25A 01/26/2021	MW-25A 07/20/2021	MW-25A 01/25/2022	MW-25A 07/25/2022	MW-25A 02/01/2023	MW-25A 07/17/2023	MW-25A 01/25/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	0.000121 J	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002							
Xylenes (total)	*10*	*10*	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00011	<0.000105	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00031	<0.000295	<0.000301	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00013	<0.000124	<0.000126	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00008	<0.0000762	<0.0000777	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00008	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	<0.0000667	<0.000068	0.00014	<0.000019	0.000052 J	<0.000051	0.000057 J	<0.000019	0.00015	<0.000019	<0.000019	<0.000019	<0.00011	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00083	<0.00079	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00056	<0.000533	<0.000544	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000345 J	0.00356	0.0000912 J	0.062	0.054	<0.000027	0.000036 J	<0.000027	<0.000027	0.000078 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000034 J
Acenaphthylene	*1.5*	*4.4*	<0.00006	0.000542	<0.0000583	0.00044	0.00053	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.0000476	<0.0000485	0.00057	0.00068	<0.000014	0.000015 J	<0.000014	0.000089 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00008	<0.0000762	<0.0000777	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	0.00012	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.0000762	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00013	<0.000124	<0.000126	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000352	<0.000359	<0.00008	<0.000038	0.0001 J	<0.000078	<0.000037	<0.000037	0.000054 J	<0.000087	0.000064 J	0.00005 J	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00008	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000097 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00011	<0.000105	<0.000107	<0.00002	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002	<0.000028	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00008	<0.0000762	<0.0000777	0.00017	0.00011	0.000033 J	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00007	0.00106	<0.000068	0.0062	0.0066	<0.00001	0.000015 J	<0.00001	0.00045	0.000075 J	<0.000019	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00007	<0.0000667	<0.000068	0.026	0.022	<0.00003	<0.00003	<0.00003	<0.00003	0.00009 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0001	<0.0000952	<0.0000971	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00008	<0.000217	<0.000817	<0.00029	0.0002	0.0006	<0.00029	0.00023	0.0001	0.001	<0.00002	<0.00002	<0.00002	<0.001	0.000077 J	<0.00002	0.000079 J
Nitrobenzene	*0.049*	*0.15*	<0.00011	<0.000105	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00061	<0.000581	<0.000592	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00006	<0.0000571	<0.0000583	0.00015	0.00015	<0.000021	0.000029 J	<0.000021	0.00017	0.00016	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000086 J
Phenol	*7.3*	*22*	<0.00004	<0.0000381	<0.0000388	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	0.000069 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.000124 J	0.000585	0.00018 J	0.0033	0.0049	<0.000019	0.000027 J	<0.000019	0.00035	0.000057 J	<0.000019	0.00015	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*				**0.0171**	0.00714	0.00171 J	0.00216	0.00285	0.00216	0.0019 J	0.00318	0.00248	0.00185 J	<0.00163	0.00193 J	0.0016 J	0.00266

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-25A 09/05/2024	MW-25C 01/28/2008 DNAPL	MW-25C 01/15/2010 DNAPL	MW-25C 01/26/2011	MW-25C 07/20/2011	MW-25C 02/08/2012	MW-25C 07/18/2012	MW-25C 02/06/2013	MW-25C 08/06/2013	MW-25C 01/22/2014	MW-25C 07/29/2014	MW-25C 01/28/2018	MW-25C[8] 03/26/2018	MW-25C 05/31/2018	MW-25C 01/15/2019	MW-25C 07/16/2019	MW-25C 01/15/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.001	**<0.025**	<0.0005	<0.005	**<0.01**	<0.005	<0.0028	<0.0007	<0.0002	<0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	**0.11**	**0.11 J**	**0.092**	**0.076**	**0.039 J**	**0.03 J**	**0.0304**	**0.0283**	**0.022**	**0.0119**	0.00089 J	0.00047 J	0.0013	<0.0002	0.0013	0.0017
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.00094	<0.025	<0.0005	<0.005	<0.01	<0.005	0.00653 J	<0.0006	0.00034 J	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.545	0.47	0.5	0.37	0.34	0.33	0.324	0.173	0.32	0.298	0.042	0.043	0.036	0.038	0.035	0.033
Methylene chloride	*0.005*	*0.005*	<0.001	<0.0011	**<0.025**	<0.0005	**<0.0065**	**<0.013**	**<0.01**	<0.003	<0.00075	<0.00022	<0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	0.556	0.52	0.53	0.4	0.31	0.31	0.291	0.204	0.261	0.207	0.015	0.015	0.013	0.013	0.011	0.01
Vinyl chloride	*0.002*	*0.002*					**<0.005**	**<0.01**	**<0.005**	**<0.0022**	<0.00055	<0.00018	<0.00055	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	*10*	*10*	<0.0003	1.43	1.2	1.2	1	0.98	0.96	1.03	0.575	1.01	1.07	0.29	0.32	0.28	0.27	0.25	0.22
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	**<0.8**	0.0001 J	<0.0001	<0.00005	<0.00005	<0.00005	**<0.106**	**<0.011**	**<0.0105**	<0.000107	<0.000021	<0.00021	<0.00021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	**<2.9**	0.00008 J	<0.00008	0.0051	<0.00005	<0.00005	<0.298	<0.031	0.372	<0.000301	0.00061	0.0033	0.0075	<0.00004	0.0075	0.0062
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	**<1.9**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.125**	**<0.013**	**<0.0124**	<0.000126	<0.000058	<0.00058	<0.00058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	**<1.9**	0.00007 J	<0.00007	<0.00006	<0.00006	<0.00006	**<0.0769**	**<0.008**	**<0.00762**	<0.0000777	<0.000042	<0.00042	<0.00042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	**<3.8**	0.0001 J	<0.0001	<0.00005	<0.00005	<0.00005	<0.0769	<0.008	<0.00762	<0.0000777	<0.000021	<0.00021	<0.00021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	**193**	**0.76**	**1.4**	**1.3**	**0.92**	**0.9**	**0.8**	**1.32**	**1.46**	**0.943**	**0.48**	**0.69**	**0.71**	**0.4**	**0.54**	**0.96**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	**<1.9**	0.00008 J	<0.00008	<0.00008	<0.00008	<0.00008	**<0.798**	**<0.083**	**<0.079**	<0.000806	<0.00002	<0.0002	<0.0002	<0.00002	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	**<2.4**	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005	**<0.538**	**<0.056**	**<0.0533**	<0.000544	<0.000047	<0.00047	<0.00047	<0.000047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	**97.5**	0.21	0.55	0.28	0.26	0.21	0.261 J	0.381	0.416	0.284	0.17	0.21	0.23	0.13	0.2	0.36
Acenaphthylene	*1.5*	*4.4*	<0.000015	**<2.9**	0.0027 J	0.0041	0.0029	0.0021	0.0021	<0.0577	<0.006	<0.00571	0.00316	0.0017	0.0023	0.0028	0.0012	0.002	0.0025
Anthracene	*7.3*	*22*	<0.000014	**42.8**	0.035	0.19	0.031	0.021	0.019	<0.0481	0.0377 J	0.0372 J	0.0209	0.015	0.019	0.024	0.011	0.016	0.027
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	**9.37**	0.0027 J	**0.047**	0.0014	0.00054	0.00086	**<0.0769**	<0.008	<0.00762	0.000813	0.00079	0.0011	0.0012	0.00065	0.0013	0.00057
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	**2.3**	**0.0014 J**	**0.013**	**0.00043**	0.00017 J	0.0002	**<0.0769**	**<0.008**	**<0.00762**	**0.000435 J**	**0.00028**	<0.0002	**0.00042 J**	**0.00021**	**0.00037 J**	0.00019
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	**<3.8**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.125**	**<0.013**	**<0.0124**	**0.0016**	<0.00003	<0.0003	<0.0003	<0.00003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	**<1.9**	0.0002 J	<0.0002	<0.002	<0.0001	0.00012 J	**<0.356**	**<0.037**	**<0.0352**	<0.000674	0.00006 J	<0.00037	<0.00037	<0.000037	<0.00037	0.00066
Chrysene	*0.91*	*2*	<0.000021	**8.38**	0.0025 J	0.048	0.0012	0.00062	0.00086	<0.0769	<0.008	<0.00762	0.000957	0.00077	0.0013	0.0014	0.00074	0.0014	0.00056
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<1.9	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.106	<0.011	<0.0105	<0.000107	<0.00002	<0.0002	<0.0002	<0.00002	<0.0002	0.00068
Dibenzofuran	*0.098*	*0.29*	<0.00002	**102**	**0.22**	**0.52**	**0.29**	**0.26**	**0.22**	**0.174 J**	**0.353**	<0.00762	**0.276**	**0.18**	**0.2**	**0.21**	**0.14**	**0.19**	**0.34**
Fluoranthene	*0.98*	*2.9*	<0.00001	**84.1**	0.041	0.32	0.02	0.011	0.0088	<0.0673	0.0149 J	0.018 J	0.0127	0.0092	0.014	0.015	0.0079	0.014	0.0058
Fluorene	*0.98*	*2.9*	<0.00003	**75.5**	0.12	0.34	0.14	0.13	0.096	0.102 J	0.163	<0.00667	0.129	0.086	0.091	0.11	0.062	0.081	0.15
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	**<2.4**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	<0.0962	<0.01	<0.00952	<0.0000971	<0.000025	<0.00025	<0.00025	<0.000025	<0.00025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	**750**	**9.8**	**18**	**19**	**15**	**13**	**10.7**	**19.7**	**19**	**10.7**	**3**	**5.9**	**5.6**	**3.5**	**4.2**	**7.5**
Nitrobenzene	*0.049*	*0.15*	<0.000024	**<3.8**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.106**	<0.011	<0.0105	<0.000107	<0.000024	<0.00024	<0.00024	<0.000024	<0.00024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	**<1.9**	0.00008 J	<0.00008	<0.00005	<0.00005	<0.00005	**<0.587**	**<0.061**	**<0.0581**	<0.000592	<0.000079	<0.00079	<0.00079	<0.000079	<0.00079	**0.17**
Phenanthrene	*0.73*	*2.2*	<0.000021	**214**	0.19	0.7	0.18	0.14	0.12	0.147 J	0.187	0.222	0.14	0.089	0.15	0.16	0.077	0.12	0.18
Phenol	*7.3*	*22*	<0.000035	<1.9	0.00007 J	<0.00007	0.026	0.003	0.0045	<0.0385	0.12	<0.00381	0.00177	<0.000035	<0.00035	<0.00035	<0.000035	<0.00035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	**49.5**	0.022	0.24	0.0092	0.0047	0.0063	<0.106	<0.011	<0.0105	0.00769	0.0062	0.011	0.01	0.0052	0.0085	0.0049
Metals																			
Arsenic	*0.01*	*0.01*	0.0091											0.00283	0.003	0.00305	0.00359	0.00487	0.00391

Notes:

1. All values in milligrams per liter (mg/L).
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3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-25C 07/22/2020	MW-25C 01/25/2021	MW-25C 07/20/2021	MW-25C 01/25/2022	MW-25C 07/25/2022	MW-25C 02/01/2023	MW-25C 07/17/2023	MW-25C 01/25/2024	MW-25C 09/05/2024	MW-26A 01/29/2008	MW-26A 07/14/2008	MW-26A 02/03/2009	MW-26A 01/13/2010	MW-26A 06/25/2010	MW-26A 01/24/2011	MW-26A 07/19/2011	MW-26A 08/25/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.0002	<0.004	<0.0002	<0.005	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
Benzene	*0.005*	*0.005*	0.0016	0.0016	<0.002	<0.0002	<0.002	0.0005 J	<0.004	0.0017	<0.005	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	**0.031**	**0.042**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.003	<0.0003	<0.003	<0.0003	<0.006	<0.0003	<0.0075	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
Ethylbenzene	*0.7*	*0.7*	0.029	0.03	0.023	0.0026	0.031	0.036	0.029	0.032	0.016 J	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	**<0.01**	<0.001	**<0.01**	<0.001	**<0.02**	<0.001	**<0.025**	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	
Toluene	*1*	*1*	0.0081	0.0046	0.0054 J	<0.0002	<0.002	0.0024	<0.004	0.0033	<0.005	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
Vinyl chloride	*0.002*	*0.002*	<0.0002																
Xylenes (total)	*10*	*10*	0.19	0.21	0.16	0.014	0.17	0.2	0.16	0.17	0.077	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	0.0045 J	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.00021	<0.000021	**<0.0021**	**<0.0021**	<0.000021	<0.00021	<0.00021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	
2,4-Dimethylphenol	*0.49*	*1.5*	0.018	<0.00004	0.0033	0.00063	<0.004	<0.004	0.0007	<0.0004	0.0034	<0.0003	<0.0003	0.00054	<0.00008	<0.00008	<0.00008	<0.00005	
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000058	<0.00058	<0.000058	**<0.0058**	**<0.0058**	<0.000058	<0.00058	<0.00058	<0.0002	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000042	<0.00042	<0.000042	**<0.0042**	**<0.0042**	<0.000042	<0.00042	<0.00042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.00021	<0.000021	<0.0021	<0.0021	<0.000021	<0.00021	<0.00021	<0.0004	<0.0004	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	
2-Methylnaphthalene	*0.098*	*0.29*	**0.51**	**0.29**	**0.3**	**0.29**	**<0.36**	**0.34**	**0.16**	**0.20**	<0.00019	<0.0004	<0.0004	0.0024	<0.00007	<0.00007	0.00031	0.00039	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	0.00065 J	<0.00002	<0.0002	<0.00002	<0.002	<0.002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.00047	<0.000047	<0.0047	<0.0047	<0.000047	<0.00047	<0.00047	<0.00025	<0.00025	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	
Acenaphthene	*1.5*	*4.4*	0.099	0.081	0.1	0.085	<0.14	0.13	0.06	0.06	0.041	0.0519	0.0173	0.015	0.0097	0.005	0.0039	0.12	
Acenaphthylene	*1.5*	*4.4*	0.0016	0.00089	0.0014	0.00083	<0.0015	<0.0015	0.00062	<0.00015	<0.00015	<0.0003	<0.0003	<0.00006	0.00014 J	<0.00007	<0.00007	0.00047	
Anthracene	*7.3*	*22*	0.012	0.0068	0.014	0.0072	<0.014	0.016	0.0048	0.0054	0.0033	0.0018	0.00047 J	0.00079	<0.00007	0.0002	0.000099 J	0.0026	
Benzo(a)anthracene	*0.0091*	*0.02*	0.0013	0.00066	0.0014	0.00065	<0.005	<0.005	0.00053	<0.0005	<0.0005	<0.0002	<0.0002	0.00016 J	<0.00007	<0.00007	<0.00007	<0.00005	
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00043 J**	**0.00022**	**0.00055 J**	0.00019	**<0.002**	**<0.002**	0.00016	<0.0002	<0.0002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.0003	<0.00003	**<0.003**	**<0.003**	<0.00003	<0.0003	<0.0003	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.0001	<0.00037	<0.000037	<0.0037	<0.0037	<0.000037	<0.00037	<0.00037	**0.0214**	<0.0002	0.00042	<0.00026	<0.00045	0.00043	<0.00031	
Chrysene	*0.91*	*2*	0.00099 J	0.00061	0.0013	0.0007	<0.0021	<0.0021	0.0005	<0.00021	<0.00021	<0.0002	<0.0002	0.00018 J	<0.00007	0.0003	<0.00007	<0.00005	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.0002	<0.00002	<0.002	<0.002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	
Dibenzofuran	*0.098*	*0.29*	0.094	0.08	**0.1**	0.082	**<0.12**	**0.15**	0.058	0.055	0.028	0.00492	0.00123	0.0026	0.00078	0.00033	0.00038	0.021	
Fluoranthene	*0.98*	*2.9*	0.01	0.0065	0.013	0.0075	<0.011	0.0065 J	0.0048	0.0040	0.0058	0.00244	0.000523	0.00091	0.0003	0.0004	0.00036	0.0048	
Fluorene	*0.98*	*2.9*	0.051	0.043	0.057	0.044	<0.063	0.065	0.033	0.03	0.027	0.00235	0.000742	0.0016	0.00028	0.00034	0.00017 J	0.0057	
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000025	<0.00025	<0.000025	<0.0025	<0.0025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00009	<0.00009	<0.00009	<0.00009	0.00023	
Naphthalene	*0.49*	*1.5*	**2.4**	0.4	0.1	**2.4**	**<2.6**	**4**	**0.77**	**1.00**	0.0019	0.00078	<0.0004	0.0074	<0.00051	<0.0001	0.0043	0.0019	
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.00024	<0.000024	<0.0024	<0.0024	<0.000024	<0.00024	<0.00024	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000079	<0.00079	<0.000079	**<0.0079**	**<0.0079**	<0.000079	<0.00079	<0.00079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	
Phenanthrene	*0.73*	*2.2*	0.073	0.057	0.081	0.062	<0.096	0.077	0.049	0.036	0.035	<0.0002	<0.0002	0.003	0.00021	0.00017 J	0.00011 J	0.00029	
Phenol	*7.3*	*22*	0.008	0.000071 J	<0.00035	<0.000035	<0.0035	<0.0035	<0.000035	<0.00035	<0.00035	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	
Pyrene	*0.73*	*2.2*	0.006	0.0037	0.0082	0.0048	<0.0079	0.0046 J	0.0032	0.0024	0.0039	0.00126	0.00021 J	0.00069	0.000092 J	0.0002 J	0.00013 J	0.0031	
Metals																			
Arsenic	*0.01*	*0.01*	0.00433	0.00628	0.00577	**0.0184**	**0.0151**	**0.0144**	**0.0169**	**0.0149**	0.00993								

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-26A 10/20/2011	MW-26A 02/15/2012	MW-26A 07/17/2012	MW-26A 02/06/2013	MW-26A 08/07/2013	MW-26A 10/14/2013	MW-26A 01/22/2014	MW-26A 07/24/2014	MW-26A 01/28/2018	MW-26A 03/21/2018	MW-26A 06/05/2018	MW-26A 01/15/2019	MW-26A 07/17/2019	MW-26A 01/16/2020	MW-26A 07/27/2020	MW-26A 01/19/2021	MW-26A 07/20/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*		<0.001	<0.0005	<0.00014	<0.00014		<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.004 J	<0.001	<0.0005	0.00118	**0.0097**	0.00391	0.000434 J	0.000189 J	<0.0002	<0.0002	<0.0002	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*		<0.001	<0.0005	0.000176 J	0.000297 J		<0.00018	0.000205 J	<0.0003	<0.0003	<0.0003	0.00056 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*		<0.0011	<0.0005	<0.00011	0.000815 J		<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*		<0.0013	<0.001	<0.00015	<0.00015		<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*		<0.001	<0.0005	<0.00015	<0.000291		<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*								<0.00011									
Xylenes (total)	*10*	*10*		<0.0031	<0.0015	<0.00026	0.00239 J		<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*		<0.00005	<0.00005	**<0.00529**	<0.000104		<0.00011	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00013	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*		<0.00005	<0.00005	<0.0149	<0.000292		<0.00031	<0.000301	0.000056 J	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.0002	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*		<0.00005	0.0001 J	**<0.00625**	<0.000123		<0.00013	<0.000126	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*		<0.00006	<0.00006	**<0.00385**	<0.0000755		<0.00008	<0.0000777	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*		<0.00005	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00007 J	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*		<0.00005	0.000056 J	<0.00337	0.000414 J		<0.00007	<0.000068	0.000053 J	<0.000019	<0.000019	<0.00009	0.000059 J	<0.000042	<0.000019	<0.000087	0.000068 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*		<0.00008	<0.00008	**<0.0399**	<0.000783		<0.00083	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*		<0.00005	<0.00005	<0.0269	<0.000528		<0.00056	<0.000544	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*		0.0095	0.0087	0.0481	0.141		0.0699	0.0663	0.0073	<0.000028	0.019	0.042	0.028	<0.00017	0.0092	0.011	0.001
Acenaphthylene	*1.5*	*4.4*		0.00013 J	<0.00005	<0.00288	<0.0000566		<0.00006	0.000486	0.00007 J	<0.000015	0.000082 J	0.00027	0.00013	<0.000015	0.000077 J	0.000095 J	<0.000015
Anthracene	*7.3*	*22*		0.00025	0.00027	<0.0024	0.00228		0.00136	0.00141	0.00012	0.00015	0.00025	0.00087	0.00047	<0.000087	<0.00014	<0.00017	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*		<0.00005	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*		<0.00005	<0.00005	**<0.00385**	<0.0000755		<0.00008	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000026	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*		<0.00005	<0.00005	**<0.00625**	<0.000123		<0.00013	<0.000126	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*		<0.0001	0.0002 J	**<0.0178**	<0.000349		<0.00037	<0.000359	0.000076 J	<0.000038	<0.000037	<0.000037	<0.00019	<0.000037	0.000068 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*		<0.00005	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000041	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*		<0.00005	<0.00005	<0.00529	<0.000104		<0.00011	<0.000107	<0.00002	0.000052 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*		0.0014	0.00084	0.00416 J	0.0151		<0.00008	0.00154	<0.00016	0.000086 J	0.0001	0.0005	0.00021	<0.000044	<0.00003	<0.00012	<0.00002
Fluoranthene	*0.98*	*2.9*		0.00049	0.00092	<0.00337	0.0062		0.00306	0.00465	0.00084	0.0011	0.0014	0.0044	0.0029	0.00073	<0.0017	0.0011	0.00069
Fluorene	*0.98*	*2.9*		0.0006	0.00041	<0.00337	0.00611		0.0031	0.00245	0.00044	0.00051	0.00084	0.0039	0.0017	<0.00029	0.00061	<0.0013	0.00021
N-Nitrosodiphenylamine	*0.19*	*0.42*		<0.00005	<0.00005	<0.00481	<0.0000943		<0.0001	<0.0000971	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*		0.0001 J	0.00027	<0.00385	0.0066		<0.000924	0.000419 J	<0.00014	<0.00002	<0.00002	<0.00049	<0.00032	<0.00017	<0.000049	<0.00079	0.00091
Nitrobenzene	*0.049*	*0.15*		<0.00005	<0.00005	<0.00529	<0.000104		<0.00011	0.00394	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.001	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*		<0.00005	<0.00005	**<0.0293**	<0.000575		<0.00061	<0.000592	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*		<0.00005	<0.00005	<0.00288	<0.0000566		0.000147 J	0.000155 J	<0.000038	<0.000021	<0.000021	0.00012	0.000083 J	<0.00003	<0.000021	<0.000074	<0.000021
Phenol	*7.3*	*22*		<0.00005	<0.00005	<0.00192	<0.0000377		<0.00004	<0.0000388	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00012 J	<0.000035
Pyrene	*0.73*	*2.2*		0.00024	0.00051	<0.00529	0.00322		0.00159	0.0022	0.00043	0.00042	0.00094	0.0025	0.0015	0.00035	<0.00094	0.00056	0.00035
Metals																			
Arsenic	*0.01*	*0.01*									**0.032**	**0.0427**	**0.0491**	**0.166**	**0.0933**	**0.0217**	**0.0695**	**0.0513**	**0.0453**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

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ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-26A 01/20/2022	MW-26A 07/20/2022	MW-26A 02/01/2023	MW-26A 07/20/2023	MW-26A 02/07/2024	MW-26A 09/05/2024	MW-27A 01/28/2008	MW-27A 07/14/2008	MW-27A 02/09/2018	MW-27A 03/26/2018	MW-27A 06/01/2018	MW-27A 07/18/2019	MW-27A 01/15/2020	MW-27A 07/28/2021	MW-27A 01/25/2022	MW-27A 07/19/2022	MW-27A 01/26/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00245	<0.00109	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00257	<0.00112	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00239	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00203	<0.00142	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00195	<0.00122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00274	<0.00138	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00581	<0.00302	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00004 J	<0.0001	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.00039	<0.00004	<0.00004	<0.00004	<0.00043	<0.0003	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	0.00014 J	<0.00029	<0.0002	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00029	<0.0002	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00057	<0.0004	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00057	<0.0004	<0.000019	<0.000019	<0.000019	0.00034	<0.000019	0.00014	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00036	<0.00025	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0011	0.00011	<0.000027	<0.000027	<0.000027	<0.000027	<0.00043	<0.0003	<0.000027	<0.000027	<0.000027	0.00011	<0.000027	0.00056	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00043	<0.0003	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00087	<0.0002	<0.000014	<0.000014	<0.000014	0.000036 J	<0.000014	0.0015	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00029	<0.0002	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	0.00053	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.00029**	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	0.00014	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00057	<0.0004	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00044 J	0.00026 J	0.0002	<0.000037	0.0005	0.0002	0.000062 J	<0.000067	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00029	<0.0002	0.00005 J	<0.000021	<0.000021	<0.000021	<0.000021	0.0005	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	<0.0002	<0.00002	<0.00002	<0.00002	0.000034 J	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00044 J	<0.0003	<0.00002	<0.00002	<0.00002	0.00014	<0.00002	0.00081	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00028	0.00021	<0.00001	0.000059 J	<0.00001	0.00035	0.000756	<0.0002	0.000058 J	<0.00001	<0.00001	0.000024 J	<0.00001	0.0052	0.000029 J	<0.00001	0.000021 J
Fluorene	*0.98*	*2.9*	0.000058 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00029	<0.0002	<0.00003	<0.00003	<0.00003	0.000074 J	<0.00003	0.0016	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.00021	<0.00036	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.00069	0.00014	<0.00002	<0.00002	0.0018	<0.0004	<0.00002	<0.00002	<0.00002	0.0026	0.000053 J	0.00015	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00057	<0.0004	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00029	<0.0002	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	0.000746	<0.0002	<0.000021	<0.000021	<0.000021	0.00013	<0.000021	0.0095	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00058	<0.000035	<0.000035	<0.000035	<0.00029	<0.0002	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00015	0.000099 J	<0.000019	0.000032 J	<0.000019	0.00017	0.00062	<0.0002	0.000078 J	<0.000019	<0.000019	<0.000019	<0.000019	0.0033	0.000049 J	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0374**	**0.0658**	**0.0122**	**0.128**	0.00272	**0.0472**			0.000978 J	<0.0004	0.00207	0.000498 J	0.000859 J	0.00191 J	<0.0004	<0.0004	0.00173 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-27A 07/13/2023	MW-27A 01/24/2024	MW-27A 07/30/2024	MW-27C 01/28/2008	MW-27C 07/14/2008	MW-27C 02/03/2009	MW-27C 01/14/2010	MW-27C 06/30/2010	MW-27C 01/27/2011	MW-27C 07/20/2011	MW-27C 02/09/2012	MW-27C 07/25/2012	MW-27C 02/12/2013	MW-27C 08/08/2013	MW-27C 01/24/2014	MW-27C 07/25/2014	MW-27C 01/31/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.00245	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.00257	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.00239	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.00203	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.00195	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.00274	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002
Vinyl chloride	*0.002*	*0.002*														<0.00011		<0.00011	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.00581	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000108	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.00004	<0.00004	<0.00029	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000295	<0.000292	<0.000297	<0.000304	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000058	<0.000058	<0.00019	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000127	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000042	<0.000042	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000755	<0.0000766	<0.0000784	0.00052
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.000021	<0.00038	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00019	<0.000019	<0.000019	<0.00038	<0.00042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000777	<0.000066	<0.000067	<0.0000686	0.00041
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00002	<0.00002	<0.00019	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000783	<0.000794	<0.000814	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.000047	<0.00024	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000528	<0.000536	<0.000549	0.00031 J
Acenaphthene	*1.5*	*4.4*	<0.00027	<0.000027	0.00008 J	<0.00029	<0.00032	0.00026	0.00015 J	0.00028	0.00019 J	0.00011 J	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	0.0012
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.000015	<0.000015	<0.00029	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000574	<0.0000588	<0.000015
Anthracene	*7.3*	*22*	<0.00014	<0.000014	<0.000014	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000476	<0.0000472	0.000431 J	<0.000049	0.000065 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00005	<0.00005	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.00002	<0.00002	<0.00019	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.00003	<0.00038	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000127	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000037	<0.000037	0.00039 J	0.00029 J	0.00038	<0.0016	<0.0015	0.00047	<0.00095	0.00014 J	<0.00021	0.000652	<0.000349	<0.000354	<0.000363	<0.000073
Chrysene	*0.91*	*2*	<0.00021	<0.000021	<0.000021	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.00002	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000055	<0.000105	0.000143 J	<0.000851	<0.000108	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.0002	<0.00002	0.00014	<0.00029	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	0.00038
Fluoranthene	*0.98*	*2.9*	<0.0001	<0.00001	<0.00001	<0.00019	<0.00021	<0.00007	0.00015 J	<0.00007	<0.00007	0.00011 J	<0.00005	<0.00005	<0.0000667	0.000114 J	0.0000881 J	<0.0000686	0.000085 J
Fluorene	*0.98*	*2.9*	<0.0003	<0.00003	0.000059 J	<0.00019	<0.00021	<0.00007	<0.00007	0.00025	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667	<0.000066	<0.000067	<0.0000686	0.00085
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000025	<0.000025	<0.00024	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000957	<0.000098	<0.000025
Naphthalene	*0.49*	*1.5*	<0.0002	<0.00002	<0.00002	<0.00038	<0.00042	0.00037	<0.00013	0.00024	0.00015 J	<0.00005	<0.00005	0.00019 J	<0.0000762	0.000353 J	<0.000953	<0.0000784	<0.00043
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.000024	<0.00038	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000108	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000079	<0.000079	<0.00019	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.000575	<0.000584	<0.000598	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00021	<0.000021	0.000097 J	<0.00019	<0.00021	<0.00007	0.00014 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	0.0000908 J	<0.000406	<0.0000588	0.00027
Phenol	*7.3*	*22*	<0.00035	<0.000035	<0.000035	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381	<0.0000377	<0.0000383	<0.0000392	<0.000035
Pyrene	*0.73*	*2.2*	<0.00019	<0.000019	<0.000019	<0.00019	<0.00021	<0.00007	0.0001 J	<0.00007	<0.00007	0.000064 J	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000108	0.000044 J
Metals																			
Arsenic	*0.01*	*0.01*	0.00063 J	0.000912 J	0.000855 J														0.00261

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-27C 03/26/2018	MW-27C 06/01/2018	MW-27C 01/22/2019	MW-27C 07/18/2019	MW-27C 01/15/2020	MW-27C 08/18/2020	MW-27C 02/02/2021	MW-27C 07/22/2021	MW-27C 01/24/2022	MW-27C 07/19/2022	MW-27C 01/26/2023	MW-27C 07/13/2023	MW-27C 01/24/2024	MW-28A 01/29/2008	MW-28A 07/14/2008	MW-28A 02/03/2009	MW-28A 01/13/2010
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	<0.00032	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002	<0.00021	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	0.00057	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.00021	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00042	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0004	<0.00042	<0.00007	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00021	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025	<0.00026	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0003	<0.00032	<0.00009	<0.00009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003	<0.00032	<0.00006	<0.00007
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00005 J	<0.000014	<0.000014	<0.000014	0.000611	<0.00021	<0.00007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.00021	0.00013 J	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	**<0.00021**	0.00011 J	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00042	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000057 J	0.00042	<0.000037	0.000092 J	<0.000037	<0.000037	<0.00019	<0.000037	<0.000037	0.000052 J	<0.000037	<0.000037	<0.000037	0.0003 J	<0.00021	0.0037	<0.00022
Chrysene	*0.91*	*2*	<0.000021	0.000054 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.00021	0.00013 J	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000081	<0.00002	<0.00002	<0.00002	0.000023 J	<0.00002	<0.00002	<0.0002	<0.00021	0.00016 J	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J	<0.00002	<0.00002	<0.00002	0.00032 J	<0.00032	<0.00008	<0.00008
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000033 J	0.000029 J	<0.00001	<0.00001	<0.0002	<0.00021	0.00012 J	<0.00007
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000054 J	<0.00003	<0.00003	<0.00003	<0.0002	<0.00021	<0.00007	<0.00007
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00026	<0.00009	<0.00009
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.000066 J	0.000055 J	<0.00002	<0.00013	<0.00032	<0.00002	<0.000063	<0.00002	<0.00002	<0.00002	0.000699	<0.00042	0.00017 J	<0.0001
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00042	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.00021	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00023	<0.000021	<0.000021	<0.000021	0.00046 J	<0.00021	<0.00007	<0.00007
Phenol	*7.3*	*22*	<0.000035	0.000053 J	<0.000035	0.00023	<0.000035	<0.000035	0.00011 J	<0.000066	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00021	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000023 J	0.000027 J	<0.000019	<0.000019	0.00041 J	<0.00021	0.00016 J	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	0.00212	0.000786 J	0.000428 J	0.000623 J	0.00264	0.00221	<0.0004	<0.0004	<0.0004	0.000558 J	0.000638 J	0.000452 J				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-28A 06/30/2010	MW-28A 01/25/2011	MW-28A 07/19/2011	MW-28A 02/16/2012	MW-28A 07/17/2012	MW-28A 02/07/2013	MW-28A 08/07/2013	MW-28A 01/22/2014	MW-28A 07/25/2014	MW-28A 01/25/2018	MW-28A 03/21/2018	MW-28A 05/17/2018	MW-28A 01/14/2019	MW-28A 07/16/2019	MW-28A 01/16/2020	MW-28A 07/23/2020	MW-28A 01/20/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.00011								
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00105	<0.000104	<0.000105	<0.000107	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	0.000034 J	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00295	<0.000292	<0.000295	<0.000301	<0.00004	<0.00004	0.012	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00124	<0.000123	<0.000124	<0.000126	<0.000059	<0.000059	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	0.00064	<0.00005	<0.000066	0.00015 J	<0.000667	<0.000066	<0.0000667	<0.000068	<0.000019	<0.000019	0.001	<0.000055	0.0002	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0079**	<0.000783	<0.00079	<0.000806	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00533	<0.000528	<0.000533	<0.000544	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00009	0.0002	<0.00005	0.00098	<0.00005	<0.000762	0.000368 J	<0.0000762	<0.0000777	<0.000027	<0.000027	0.00031 J	0.000092 J	0.000082 J	<0.00014	0.000038 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000571	<0.0000566	<0.0000571	<0.0000583	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00007	0.00036	<0.00005	<0.00005	<0.00005	<0.000476	<0.0000472	<0.0000476	<0.0000485	0.000016 J	0.000021 J	<0.00014	<0.000014	0.000036 J	<0.00013	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000051	<0.000051	<0.0005	<0.00005	0.000055 J	0.000073 J	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.000762**	<0.0000755	<0.0000762	<0.0000777	0.000045 J	<0.00002	<0.0002	<0.00002	0.000095 J	0.000057 J	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00124**	<0.000123	<0.000124	<0.000126	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0019	<0.0002	<0.00032	<0.0001	<0.00043	<0.00352	<0.000349	<0.000352	<0.000359	0.00018 J	0.000062 J	0.00084 J	0.000061 J	<0.00023	0.00009 J	<0.000037	<0.0001
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.0000755	<0.0000762	<0.0000777	0.000053 J	<0.000021	<0.00021	<0.000021	0.0001	0.000065 J	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00105	<0.000104	<0.000105	<0.000107	0.00003 J	<0.00002	<0.0002	<0.00002	<0.00002	0.000032 J	<0.00002	0.00022
Dibenzofuran	*0.098*	*0.29*	<0.00008	0.0005	<0.00005	<0.000051	<0.00005	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.00002	<0.00002	0.00031 J	<0.00011	0.000084 J	<0.0001	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00007	0.00021	<0.00005	<0.00005	<0.00005	<0.000667	<0.000066	<0.0000667	<0.000068	0.000062 J	0.000055 J	<0.0001	<0.00001	0.00012	0.0003	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00007	0.0003	<0.00005	<0.00005	<0.00005	<0.000667	<0.000066	<0.0000667	<0.000068	<0.00003	<0.00003	<0.0003	0.000056 J	0.000053 J	<0.00014	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000952	<0.0000943	<0.0000952	<0.0000971	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.0001	0.0023	<0.00005	<0.00093	0.0013	<0.000762	<0.000173	<0.0004	<0.0000777	<0.00002	<0.00002	0.024	<0.0024	0.0013	<0.0006	0.00015 J	<0.000091
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00105	<0.000104	<0.000105	<0.000107	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	0.00032	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00581**	<0.000575	<0.000581	<0.000592	<0.00008	<0.00008	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	0.00097	<0.00005	<0.00005	<0.00005	<0.000571	<0.0000566	<0.0000571	<0.0000583	0.000032 J	0.00003 J	0.00022 J	<0.000021	0.000049 J	0.00048	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000381	<0.0000377	<0.0000381	<0.0000388	<0.000035	<0.000035	0.018	<0.000035	<0.000073	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00007	0.00013 J	<0.00005	0.00011 J	<0.00005	<0.00105	0.000246 J	0.000105 J	<0.000107	0.000081 J	0.000079 J	<0.00019	0.000065 J	0.00016	0.00021	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*										0.0076	0.0053	**0.0177**	**0.0116**	0.0092	0.00664	<0.0004	**0.0116**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-28A 07/21/2021	MW-28A 08/26/2021	MW-28A 01/27/2022	MW-28A 07/20/2022	MW-28A 01/10/2023	MW-28A 07/19/2023	MW-28A 01/23/2024	MW-28A 07/30/2024	MW-28C 01/29/2008	MW-28C 07/14/2008	MW-28C 02/03/2009	MW-28C 01/13/2010	MW-28C 06/30/2010	MW-28C 01/25/2011	MW-28C 07/19/2011	MW-28C 02/16/2012	MW-28C 07/17/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	0.0026 J	0.0013 J	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	**1.5**	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	0.000051 J	<0.00029	0.00114 J	<0.00008	0.0002	<0.00008	0.000086 J	<0.00005	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00022	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.054	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00038	<0.00044	0.000097 J	0.00024	0.000077 J	0.000079 J	<0.00005	<0.00005	0.00011 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00022	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.016	<0.000027	<0.00027	<0.000027	<0.000027	<0.000027	<0.000027	0.000049 J	<0.00029	<0.00033	<0.00009	0.00018 J	0.00033	<0.00009	<0.00005	<0.00005	<0.00005
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00033	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	0.0044	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	0.000053 J	0.00059	<0.00022	<0.00007	<0.00007	0.00014 J	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	0.00054 J	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	**<0.00022**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00021	<0.00037	0.000067 J	<0.000037	<0.000037	<0.000037	<0.000037	0.00049 J	<0.00022	0.0033	<0.00046	<0.0012	0.00063	<0.00053	<0.00013	<0.0001
Chrysene	*0.91*	*2*	0.00047 J	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.015	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	0.000069 J	0.00044 J	<0.00033	<0.00008	0.00018 J	<0.00008	<0.00008	0.00019 J	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	0.0039	<0.00001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.000053 J	0.000497	<0.00022	<0.00007	<0.00007	0.00012 J	<0.00007	<0.00005	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	0.012	<0.00003	<0.0003	<0.00003	0.000033 J	<0.00003	<0.00003	0.000055 J	0.00022 J	<0.00022	<0.00007	0.00016 J	0.00033	<0.00007	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00028	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	**0.94**	<0.00002	<0.0002	0.000083 J	<0.00002	0.00005 J	<0.00002	<0.00002	0.00234	0.00196	0.00057	0.0014	0.00035	0.00029	<0.000091	<0.00031	0.00064
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	0.00056 J	<0.00022	<0.00008	<0.00008	0.00034	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.018	<0.000021	<0.00021	<0.000021	0.000064 J	<0.000021	<0.000021	0.00018	0.000624	<0.00022	0.00013 J	0.00033	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Phenol	*7.3*	*22*	0.22	<0.000035	0.0019 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00865	0.00648	0.00063	0.0027	0.00075	0.0014	0.00054	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	0.0022	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	0.000037 J	0.00041 J	<0.00022	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*	0.00528	0.00315	0.00102 J	0.00134 J	0.00176 J	0.0086	0.00806	0.000901 J									

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-28C 02/07/2013	MW-28C 08/07/2013	MW-28C 01/22/2014	MW-28C 07/25/2014	MW-28C 01/25/2018	MW-28C 03/21/2018	MW-28C 05/17/2018	MW-28C 01/14/2019	MW-28C 07/16/2019	MW-28C 01/16/2020	MW-28C 07/28/2020	MW-28C 01/15/2021	MW-28C 07/13/2021	MW-28C 01/21/2022	MW-28C 07/20/2022	MW-28C 01/10/2023	MW-28C 07/18/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.00011			<0.0002				<0.0002						
Xylenes (total)	*10*	*10*	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000101	<0.000104	<0.00011	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000284	<0.000292	<0.00031	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000078	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000119	<0.000123	<0.00013	<0.000126	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<2.1E-05 JL
2-Methylnaphthalene	*0.098*	*0.29*	<0.0000642	<0.000066	0.0000741 J	<0.000068	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00012	0.000042 J	<0.000019	<0.000019	<0.000019	0.000058 J	<1.9E-05 JL
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000761	<0.000783	<0.00083	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000514	<0.000528	<0.00056	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000074 J	0.000062 J	<0.000027	<0.000027	<0.000027	0.000042 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000055	<0.0000566	<0.00006	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0000459	<0.0000472	<0.00005	<0.0000485	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.0001	0.000049 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	0.00013	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000119	<0.000123	<0.00013	<0.000126	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 JL
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000339	<0.000349	<0.00037	<0.000359	0.000064 J	<0.000037	<0.000037	<0.000037	<0.00013	0.000072 J	0.00064	0.000083 J	<0.00012	<0.000037	0.000091 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000101	<0.000104	<0.00011	<0.000107	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00025	<0.000048	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002	0.000086 J	0.000081 J	<0.00002	<0.00002	<0.00002	0.000053 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0000642	<0.000066	<0.00007	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	0.00063	0.000096 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0000642	<0.000066	<0.00007	<0.000068	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	0.000091 J	0.00007 J	<0.00003	<0.00003	<0.00003	0.000038 J	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000917	<0.0000943	<0.0001	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.000163 J	<0.0000755	<0.000596	<0.0000777	<0.00021	<0.00002	<0.00002	<0.00002	0.000095 J	<0.00016	0.00053	0.00021	<0.000075	0.00004 J	<0.00002	0.00018	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000101	<0.000104	<0.00011	<0.000107	<0.000024	<0.000024	0.000024 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00056	<0.000575	<0.00061	<0.000592	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000055	<0.0000566	0.0000739 J	<0.0000583	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00056	0.00017	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.0000367	<0.0000377	<0.00004	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	0.0025	0.000086 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000101	<0.000104	<0.00011	<0.000107	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00044	0.000071 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*					0.00206	0.00184 J	0.00184 J	0.000447 J	0.000456 J	0.000937 J	0.00121 J	0.00112 J	0.00065 J	0.000758 J	0.00137 J	0.000864 J	0.00118 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-28C 01/23/2024	MW-28C 07/30/2024	MW-32A[7] 01/28/2008 DNAPL	MW-32A[7] 07/14/2008 DNAPL	MW-32A[7] 02/03/2009 DNAPL	MW-32A[7] 01/14/2010 DNAPL	MW-32A[7] 07/01/2010 DNAPL	MW-32A[7] 01/25/2011 DNAPL	MW-32A[7] 07/19/2011 DNAPL	MW-32AR 02/09/2012	MW-32AR 07/16/2012	MW-32AR 02/06/2013	MW-32AR 08/07/2013	MW-32AR 01/21/2014	MW-32AR 07/24/2014	MW-32AR 01/28/2018	MW-32AR 03/27/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.00052	<0.00109	<0.0005	<0.0005	<0.0025	<0.0025	**0.03**	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	**0.884**	**0.884**	**0.69**	**0.34**	**1.5**	**0.61**	**1.4**	<0.001	<0.0005	**0.023**	0.000475 J	<0.0002	**0.0404**	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.00047	<0.0015	<0.0005	<0.0005	<0.0025	<0.0025	<0.005	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	0.373	0.365	0.34	0.076	0.45	0.41	0.31	<0.0011	<0.0005	0.0082	0.000296 J	<0.00019	0.0208	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.00122	<0.0005	<0.0005	<0.0032	<0.0025	**<0.0065**	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	0.95	0.983	0.74	0.36	**1.5**	1	**1.2**	<0.001	<0.0005	0.00338	0.000234 J	<0.00017	0.000849 J	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*													<0.00011		<0.00011		
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	1.02	1.03	0.88	0.35	1.3	1.1	0.87	<0.0031	<0.0015	0.0176	0.000873 J	<0.00058	0.0336	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	0.000021	**<0.02**	**<0.008**	<0.0001	<0.0001	<0.001	<0.001	<0.0005	<0.00005	<0.00005	**<0.00529**	<0.000104	<0.000104	<0.000104	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00004	**9.57**	**12.6**	**2.2**	**2.1**	**15**	**2.3**	**31**	0.0012	0.000061 J	0.0172 J	<0.000292	<0.000292	0.0722	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	0.000058	**<0.044**	**<0.019**	<0.00009	<0.00009	<0.0009	<0.0009	<0.0005	<0.00005	<0.00005	**<0.00625**	<0.000123	<0.000123	<0.000123	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	0.000042	**<0.044**	**<0.019**	<0.00007	<0.00007	<0.0007	<0.0007	<0.0006	<0.00006	<0.00006	**<0.00385**	<0.0000755	<0.0000755	<0.0000755	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	0.000021	<0.089	<0.039	<0.00012	<0.0001	<0.001	<0.001	<0.0005	<0.00005	<0.00005	<0.00385	<0.0000755	<0.0000755	<0.0000755	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.000019	**1.13**	**0.989**	**1.2**	**0.3**	**0.48**	**6.9**	**0.95**	0.000088 J	0.00019 J	0.011 J	<0.000066	0.00021 J	**0.206**	0.000079 J	0.0068
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	0.00002	**<0.044**	**<0.019**	<0.00008	<0.00008	<0.0008	<0.0008	<0.0008	<0.00008	<0.00008	**<0.0399**	<0.000783	<0.000783	<0.000783	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	0.000047	**<0.056**	<0.024	<0.00007	<0.00007	<0.0007	<0.0007	<0.0005	<0.00005	<0.00005	<0.0269	<0.000528	<0.000528	<0.000528	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.000027	0.341	0.294	0.34	0.13	0.19	**3.1**	0.25	0.0046	0.0029	0.0232 J	0.00625	0.0105	0.111	0.0013	0.0043
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.000015	<0.067	<0.029	0.006	0.0019	0.0079	0.027	0.005	0.00032	<0.00005	<0.00288	0.000258 J	<0.000317	0.00226	0.000054 J	0.000054 J
Anthracene	*7.3*	*22*	<0.000014	0.000014	<0.044	0.043	0.077	0.051	0.093	0.91	0.09	0.00041	0.00026	<0.0024	0.000223 J	0.000444 J	0.00332	0.000082 J	0.00021
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00005	**<0.044**	**<0.019**	**0.0096**	0.0067	**0.01**	**0.3**	**0.038**	0.00012 J	0.00015 J	<0.00385	<0.0000755	<0.0000755	0.000218 J	0.00006 J	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.00002	**<0.044**	**<0.019**	**0.003**	**0.0023**	**0.0067**	**0.078**	**0.019**	<0.00005	<0.00005	**<0.00385**	<0.0000755	<0.0000755	<0.0000755	0.000027 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	0.00003	**<0.089**	**<0.039**	<0.00009	<0.00009	**<0.0009**	**<0.0009**	<0.0005	<0.00005	<0.00005	**<0.00625**	<0.000123	<0.000123	0.000452 J	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000037	**<0.044**	**<0.019**	0.00042	<0.0018	<0.0041	0.0046	<0.0013	0.00054	0.00014 J	**<0.0178**	<0.000349	<0.000349	0.000621	0.00011 J	<0.000037
Chrysene	*0.91*	*2*	<0.000021	0.000021	<0.044	<0.019	0.0087	0.0064	0.0099	0.28	0.033	0.000093 J	0.00023	<0.00385	<0.0000755	0.0000774 J	0.00016 J	0.000058 J	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.00002	<0.044	<0.019	<0.00007	<0.00007	<0.0007	<0.0007	<0.0005	<0.00005	0.000056 J	<0.00529	<0.000104	<0.000104	<0.000104	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00002	**0.298**	**0.26**	**0.32**	**0.14**	**0.21**	**3.2**	**0.27**	0.00096	0.0017	0.00936 J	0.000515	0.000664	0.05	<0.000053	0.0024
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00001	<0.044	0.026	0.098	0.07	0.09	**2.5**	0.11	0.002	0.003	0.00508 J	0.00102	0.00124	0.00656	0.00048	0.00023
Fluorene	*0.98*	*2.9*	<0.00003	0.00003	0.163	0.156	0.22	0.087	0.13	**2.5**	0.18	0.0017	0.0016	0.00932 J	0.00105	0.00317	0.0516	0.00012	0.00093
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	0.000025	<0.056	<0.024	<0.00009	<0.00009	0.014	<0.0009	<0.0005	<0.00005	<0.00005	<0.00481	<0.0000943	<0.0000943	<0.0000943	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	0.000045 JL	**25**	**16.2**	**16**	**3.5**	**11**	**31**	**21**	0.00044	0.0036	0.406	<0.00297	0.0087	**3.83**	<0.00058	0.026
Nitrobenzene	*0.049*	*0.15*	<0.000024	0.000024	**<0.089**	<0.039	<0.00009	<0.00009	<0.0009	<0.0009	<0.0005	<0.00005	<0.00005	<0.00529	<0.000104	<0.000104	<0.000104	0.00035	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	0.000079	**<0.044**	**<0.019**	<0.00008	<0.00008	<0.0008	<0.0008	<0.0005	<0.00005	<0.00005	**<0.0293**	<0.000575	<0.000575	<0.000575	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000048 JL	0.177	0.185	0.45	0.25	0.19	**8.9**	0.35	0.00033	0.000055 J	0.00768 J	0.000112 J	0.000101 J	0.0111	0.00022	0.0013
Phenol	*7.3*	*22*	<0.000035	0.000035	**9.01**	**8.83**	1.4	1.3	**14**	1.2	**21**	0.00012 J	0.00029	<0.00192	<0.0000377	<0.0000377	<0.0000377	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	0.000019	<0.044	<0.019	0.062	0.043	0.047	**1.5**	0.072	0.0041	0.0046	<0.00529	0.000617	0.000625	0.00474	0.00031	0.00018
Metals																			
Arsenic	*0.01*	*0.01*	0.00106 J	0.00115 J														0.00294	**0.0228**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-32AR 05/31/2018	MW-32AR 01/23/2019	MW-32AR 07/30/2019	MW-32AR 01/20/2020	MW-32AR 07/23/2020	MW-32AR 01/19/2021	MW-32AR 07/21/2021	MW-32AR 01/20/2022	MW-32AR 07/21/2022	MW-32AR 01/10/2023	MW-32AR 07/20/2023	MW-32AR 01/23/2024	MW-32AR 07/25/2024	MW-33A 01/29/2008	MW-33A 07/14/2008	MW-33A 02/03/2009	MW-33A 02/03/2009 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00109	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	**0.0062**	0.00071 J	0.00074 J
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0015	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00142	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00122	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00138	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*				<0.0002									<0.0002				
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00302	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.00008	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00013 J	<0.00004	<0.00004	<0.00004	<0.00004	0.00044	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0005	<0.00029	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00033	<0.00019	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00033	<0.00019	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00067	<0.00038	<0.00012	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000028	0.000088 J	<0.000019	0.00042	<0.000019	0.00024	<0.000019	0.0018	<0.000019	0.00015	<0.00067	<0.00038	0.00066	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00033	<0.00019	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00042	<0.00024	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.002	0.0001	<0.000027	0.0014	0.00028 J	<0.000027	0.00071	<0.000027	0.00046	<0.000027	0.0023	<0.000027	0.00031	0.0133	0.0124	0.013	<0.00009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0005	<0.00029	<0.00006	<0.00006
Anthracene	*7.3*	*22*	0.000064 J	0.00002 J	<0.000014	<0.000014	0.00008 J	<0.000086	0.00034	<0.000014	0.00012	<0.000014	0.0012	<0.000014	0.0006	<0.00033	0.00024 J	0.0002 J	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	0.000054 J	<0.00005	0.000088 J	<0.00005	0.00013	<0.00005	0.000079 J	<0.00005	<0.00005	<0.00005	0.00012	<0.00033	<0.00019	0.0002 J	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	0.000081 J	<0.00002	<0.00002	0.000041 J	<0.00002	<0.00002	<0.00002	0.000029 J	<0.00002	<0.00002	**<0.00033**	<0.00019	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00067	<0.00038	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00014 J	<0.000044	0.000074 J	0.000043 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00137 J	<0.00019	0.00033	0.00035
Chrysene	*0.91*	*2*	0.000037 J	<0.000021	<0.000021	0.000042 J	0.000026 J	<0.000021	0.00011	<0.000021	0.00006 J	<0.000021	0.00012	<0.000021	0.00012	<0.00033	<0.00019	0.00012 J	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002	<0.00032	0.000026 J	0.000052 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00055 J	<0.00019	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.00007 J	<0.00002	<0.00002	<0.00002	0.00011 J	<0.00002	0.00034	<0.00002	0.00021	<0.00002	0.002	<0.00002	0.00061	0.00074	0.000628	0.00078	<0.00008
Fluoranthene	*0.98*	*2.9*	0.00031	0.000051 J	<0.00001	<0.00029	0.00019 J	<0.00001	0.00071	<0.00001	0.00023	<0.00001	0.0019	<0.00001	0.00093	0.00141	0.00154	0.0022	<0.00007
Fluorene	*0.98*	*2.9*	0.000058 J	<0.00003	<0.00003	0.000038 J	0.00011 J	<0.00003	0.00037	<0.00003	0.00017	<0.00003	0.0022	<0.00003	0.00056	0.0013	0.000939	0.00067	<0.00007
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00042	<0.00024	<0.00009	<0.00009
Naphthalene	*0.49*	*1.5*	0.000043 J	0.000067 J	<0.00002	<0.00014	0.00026 J	<0.00002	0.0019	<0.00002	0.0012	<0.00002	0.0013	<0.00002	0.0011	0.00167	0.0047	0.0028	<0.0001
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00067	<0.00038	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00033	<0.00019	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000034 J	<0.000021	<0.000032	0.00023 J	<0.000021	0.0011	<0.000021	0.00042	<0.000021	0.0057	<0.000021	0.0019	<0.00033	0.00028 J	0.00037	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00023	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00033	<0.00019	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	0.00049	0.000036 J	0.00045	0.00042	0.00021 J	<0.000019	0.00072	<0.000019	0.0013	<0.000019	0.0012	<0.000019	0.00068	0.0019	0.00167	0.0024	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	**0.0441**	**0.0316**	**0.0628**	0.0077	**0.104**	0.00873	**0.0352**	0.00576	**0.169**	0.00506	**0.0234**	**0.0306**	**0.0758**				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 01/13/2010	MW-33A 01/13/2010 Duplicate	MW-33A 06/29/2010	MW-33A 06/29/2010 Duplicate	MW-33A 01/24/2011	MW-33A 07/19/2011	MW-33A 07/19/2011 Duplicate	MW-33A 02/15/2012	MW-33A 02/15/2012 Duplicate	MW-33A 07/17/2012	MW-33A 07/17/2012 Duplicate	MW-33A 02/12/2013	MW-33A 02/12/2013 Duplicate	MW-33A 08/07/2013	MW-33A 08/07/2013 Duplicate	MW-33A 01/23/2014	MW-33A 01/23/2014 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.005	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.0025 J	0.0024 J	0.0018 J	0.0034 J	**0.0056**	**0.009**	**0.0091**	**0.054**	**0.051**	0.0023 J	0.0022 J	**0.00782**	**0.00782**	**0.165**	**0.174**	**0.223**	**0.223**
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.005	<0.0005	<0.0005	<0.00012	<0.00012	0.000185 J	0.000189 J	0.000214 J	<0.00018
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0005	0.0015 J	0.0033 J	0.003 J	0.075	0.061	<0.0005	<0.0005	0.0022	0.00216	0.109	0.117	0.135	0.134
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	**<0.0065**	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.00022	<0.00022
Toluene	*1*	*1*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	0.019	0.018 J	<0.0005	<0.0005	<0.00015	<0.00015	0.00639	0.00672	0.23	0.229
Vinyl chloride	*0.002*	*0.002*											<0.0005			<0.00011	<0.00011		
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.001	<0.001	0.0016 J	<0.0031	<0.0031	0.11	0.092	<0.0015	<0.0015	0.00223 J	0.00229 J	0.172	0.186	0.188	0.19
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	**<0.00519**	**<0.00519**	**<0.104**	**<0.106**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00008	0.0027	0.0034	0.0046	0.029 J	0.019 J	<0.00005	<0.00005	0.00623	0.0199	**0.888**	**0.801**	**1.44**	**1.54**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	**<0.00613**	**<0.00613**	**<0.123**	**<0.125**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000762	**<0.00377**	**<0.00377**	**<0.0755**	**<0.0769**
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00377	<0.00377	<0.0755	<0.0769
2-Methylnaphthalene	*0.098*	*0.29*	0.0009 J	0.00051 J	0.00092	<0.00007	0.0067	0.022 J	0.031 J	0.03	0.024	0.0015	0.0011	0.00345	0.0149	**0.195**	**0.16**	**0.263 J**	**0.27 J**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.00079	**<0.0392**	**<0.0392**	**<0.783**	**<0.798**
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000533	<0.000533	<0.0264	<0.0264	**<0.528**	**<0.538**
Acenaphthene	*1.5*	*4.4*	0.028	0.026	0.012	0.0072	0.014	0.037	0.042	0.048	0.064	0.019	0.023	0.0279	0.0374 J	0.157	0.151	0.288 J	0.217 J
Acenaphthylene	*1.5*	*4.4*	0.00015 J	0.00014 J	<0.00007	<0.00007	0.00014 J	0.00018 J	0.00021	0.0003	0.0004	<0.00005	<0.00005	<0.0000571	0.000358 J	<0.00283	<0.00283	<0.0566	<0.0577
Anthracene	*7.3*	*22*	0.00028	0.00024	0.00021	<0.00007	0.00072	0.0013	0.0016	0.00082	0.00078	0.0026 J	0.0015 J	0.000748	0.000801	0.0049 J	0.00487 J	<0.0472	<0.0481
Benzo(a)anthracene	*0.0091*	*0.02*	0.00017 J	0.00017 J	0.00014 J	0.00014 J	0.00025	0.00019 J	0.00018 J	0.0001 J	0.00011 J	0.00043 J	0.00026 J	0.000174 J	0.000211 J	<0.00377	<0.00377	**<0.0755**	**<0.0769**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	0.00011 J	0.000054 J	<0.0000762	<0.0000762	**<0.00377**	**<0.00377**	**<0.0755**	**<0.0769**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	**<0.00613**	**<0.00613**	**<0.123**	**<0.125**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0003	<0.00038	<0.00035	<0.0016	0.00031	<0.00056	<0.00068	0.0013 J	0.00084 J	0.00014 J	0.00022	<0.000352	<0.000352	**<0.0175**	**<0.0175**	**<0.349**	**<0.356**
Chrysene	*0.91*	*2*	0.00012 J	0.000089 J	0.00009 J	<0.00007	0.00016 J	0.0001 J	0.00005 J	0.000061 J	<0.00005	0.00033 J	0.00016 J	0.000114 J	0.000106 J	<0.00377	<0.00377	<0.0755	<0.0769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00519	<0.00519	<0.104	<0.106
Dibenzofuran	*0.098*	*0.29*	0.0019	0.0017	0.0014	0.00035	0.0027	0.0088 J	0.014 J	0.019 J	0.026 J	0.0049	0.0061	0.00262	0.00699	0.0728	0.0717	**0.148 J**	**0.108 J**
Fluoranthene	*0.98*	*2.9*	0.0013	0.0012	0.0012	0.00095	0.003	0.0021	0.0023	0.0012	0.0011	0.0036 J	0.0026 J	0.00212	0.0025	0.00385 J	0.00435 J	0.0703 J	<0.0673
Fluorene	*0.98*	*2.9*	0.0015	0.0013	0.0012	0.00041	0.0027	0.0088 J	0.012 J	0.015	0.019	0.0056	0.0073	0.00641	0.00994	0.0668	0.0623	0.145 J	0.0939 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000952	<0.00472	<0.00472	<0.0943	<0.0962
Naphthalene	*0.49*	*1.5*	0.02 J	0.009 J	0.0082	0.0013	0.095	0.31 J	0.44 J	**0.96 J**	**1.6 J**	0.017	0.021	0.112	0.382 J	**4.98**	**4.07**	**5.82**	**5.3**
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00519	<0.00519	**<0.104**	**<0.106**
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000581	<0.000581	**<0.0288**	**<0.0288**	**<0.575**	**<0.587**
Phenanthrene	*0.73*	*2.2*	0.00032	0.00024	0.00065	<0.00007	0.0048	0.0046 J	0.0068 J	0.0038	0.0032	0.0058 J	0.0026 J	0.000488	0.000987	0.0232 J	0.0236	0.18 J	0.135 J
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	0.00005 J	0.00091 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000381	<0.0000381	<0.00189	<0.00189	0.203 J	0.108 J
Pyrene	*0.73*	*2.2*	0.0019	0.0018	0.0016	0.0015	0.0035	0.0025	0.0026	0.0021	0.0022	0.0035	0.0032	0.00283	0.00336	<0.00519	<0.00519	<0.104	<0.106
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 08/28/2014	MW-33A 08/28/2014 Duplicate	MW-33A 01/30/2018	MW-33A 01/30/2018	MW-33A 03/27/2018	MW-33A 03/27/2018 Duplicate	MW-33A 06/05/2018	MW-33A 06/05/2018 Duplicate	MW-33A 01/22/2019	MW-33A 01/22/2019 Duplicate	MW-33A 07/17/2019	MW-33A 07/17/2019 Duplicate	MW-33A 01/20/2020	MW-33A 01/20/2020 Duplicate	MW-33A 07/28/2020	MW-33A 07/28/2020 Duplicate	MW-33A 08/18/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Benzene	*0.005*	*0.005*	0.00236 J	0.00389 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	
Ethylbenzene	*0.7*	*0.7*	0.0014 J	0.00224 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Toluene	*1*	*1*	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Vinyl chloride	*0.002*	*0.002*			<0.0002	<0.0002	<0.0002								<0.0002	<0.0002			
Xylenes (total)	*10*	*10*	0.000632 J	0.000872 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000108	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021			<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.0212 J	0.0608 J	<0.0002	<0.00021	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004			<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000127	<0.000127	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058			<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000784	<0.0000784	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042			<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000784	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021			<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0216 J	0.0524 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000063	<0.000095			<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000814	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002			<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000549	<0.000549	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047			<0.000047
Acenaphthene	*1.5*	*4.4*	0.046 J	0.0692 J	0.0005	0.00016	<0.000027	<0.000027	0.00018 J	0.00097 J	<0.000027	<0.000027	0.000098 J	<0.000027	0.00073 J	0.0011 J			<0.000027
Acenaphthylene	*1.5*	*4.4*	0.00041 J	0.000636 J	0.000022 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000049 J	0.000038 J			<0.000015
Anthracene	*7.3*	*22*	0.00132 J	0.00184 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000021 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000057 J	0.000044 J			<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.000288 J	0.000318 J	0.000077 J	<0.00005	<0.00005	<0.00005	0.000077 J	0.000091 J	<0.00005	0.000062 J	<0.00005	<0.00005	0.00012	0.00012			0.00011
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000784	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000066 J	0.000072 J			<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000127	0.000476 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003			<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000363 J	0.000363 J	<0.000037	<0.000044	<0.000037	<0.000037	0.000078 J	0.00014 J	<0.000037	<0.000037	<0.00022	<0.000084	<0.000037	<0.000037			<0.000037
Chrysene	*0.91*	*2*	0.000168 J	0.000178 J	<0.000021	<0.000021	0.000047 J	<0.000021	0.00005 J	0.000061 J	0.000025 J	0.000034 J	<0.000021	<0.000021	0.000078 J	0.000093 J			<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000108	<0.000108	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002			<0.00002
Dibenzofuran	*0.098*	*0.29*	0.0164 J	0.0334 J	0.000042 J	<0.00002	<0.00002	0.000036 J	0.00002 J	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000096 J	0.000067 J			<0.00002
Fluoranthene	*0.98*	*2.9*	0.00395	0.00426	0.0006	0.00034	0.00052	0.00052	0.00045 J	0.0006 J	0.00033	0.00044	0.00016	0.00017	0.00035 J	0.00057 J			0.00067
Fluorene	*0.98*	*2.9*	0.0146 J	0.0224 J	<0.00003	<0.00003	<0.00003	<0.00003	0.000059 J	0.00017	<0.00003	<0.00003	<0.00003	<0.00003	0.000059 J	0.000072 J			<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000098	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025			<0.000025
Naphthalene	*0.49*	*1.5*	0.489 J	**1.02 J**	<0.00033	<0.00035	<0.00002	0.00013	<0.00019	<0.00002	<0.00002	<0.00002	<0.000076	<0.000096	<0.0005	<0.00066			<0.00002
Nitrobenzene	*0.049*	*0.15*	0.000108 J	0.00936 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024			<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000598	<0.000598	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079			<0.000079
Phenanthrene	*0.73*	*2.2*	0.00427 J	0.00736 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000085 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000056	<0.000046			<0.000021
Phenol	*7.3*	*22*	<0.0000392	<0.0000392	<0.0002	<0.00025	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00011 J	0.000053 J	<0.000035	<0.000035			<0.000035
Pyrene	*0.73*	*2.2*	0.0043	0.00471	0.00028	0.000041 J	0.00057	0.00062	0.00073	0.001	0.00015	0.00034	0.00028	0.00069	<0.00019	0.00052 J			0.0011
Metals																			
Arsenic	*0.01*	*0.01*			**0.0197**	**0.0202**	**0.0186**	**0.0201**	0.00573	0.00584	0.01	0.00995	**0.0155**	**0.0147**	0.0081	0.00755	0.00119 J	0.00125 J	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 08/18/2020 Duplicate	MW-33A 01/19/2021	MW-33A 01/19/2021 Duplicate	MW-33A 07/21/2021	MW-33A 07/21/2021 Duplicate	MW-33A 01/25/2022	MW-33A 01/25/2022 Duplicate	MW-33A 07/21/2022	MW-33A 07/21/2022 Duplicate	MW-33A 01/10/2023	MW-33A 01/10/2023 Duplicate	MW-33A 07/20/2023	MW-33A 07/20/2023 Duplicate	MW-33A 02/07/2024	MW-33A 07/29/2024	MW-33A 07/29/2024 Duplicate	MW-34C 01/29/2008 DNAPL
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052
Benzene	*0.005*	*0.005*		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0287**
Chlorobenzene	*0.1*	*0.1*		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047
Ethylbenzene	*0.7*	*0.7*		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0903
Methylene chloride	*0.005*	*0.005*		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054
Toluene	*1*	*1*		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0832
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.25
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000068 J	<0.000021	<0.000021	**<0.002**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000049 J	<0.00004	<0.00004	<0.0059
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.004**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.004**
2-Chloronaphthalene	*2*	*5.8*	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0079
2-Methylnaphthalene	*0.098*	*0.29*	<0.00002	<0.000019	<0.000064	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.0002 J	<0.000019 J	<0.000019	<0.000019	<0.000019	0.000033 J	<0.000019 J	**0.437**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.004**
4-Nitrophenol	*0.049*	*0.15*	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.005
Acenaphthene	*1.5*	*4.4*	<0.000028	<0.000027	<0.00045	<0.000027 J	0.00028 J	0.00016 J	0.00037 J	<0.000027	<0.000027	0.00038 J	0.0001 J	<0.000027	<0.000027	0.000049 J	<0.000027 J	0.00022 J	0.365
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.000021 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0059
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000025	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000025 J	<0.000014 J	<0.000014	<0.000014	<0.000014	0.000034 J	<0.000014 J	0.0712
Benzo(a)anthracene	*0.0091*	*0.02*	0.00014	<0.00005	0.000065 J	0.00013	0.00013	0.0002	0.0002	<0.00005	0.00011	0.000059 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	**0.017**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**0.0065**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.0079**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000038	<0.000037	<0.000037	0.00011 J	0.00011 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000052 J	<0.000037	<0.000037	**0.0076**
Chrysene	*0.91*	*2*	<0.000022	<0.000021	0.000029	0.000084	0.000081	0.00016	0.00012	<0.000021	0.000098 J	0.000054 J	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.0128
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000021	<0.00002	<0.000029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.004
Dibenzofuran	*0.098*	*0.29*	<0.000021	<0.00002	<0.00009	<0.00002	<0.00002	0.00014	<0.00002	<0.00002	<0.00002	0.00023 J	<0.00002 J	<0.00002	<0.00002	<0.00002	0.000064 J	<0.00002 J	**0.412**
Fluoranthene	*0.98*	*2.9*	0.00097	<0.00001	0.000075 J	0.0011	0.0011	0.0022 J	0.0016 J	0.000051 J	0.00047	0.00064 J	0.00021 J	0.00003 J	0.00017 J	<0.00001	0.00012	0.000096 J	0.14
Fluorene	*0.98*	*2.9*	<0.000031	<0.00003	<0.00013	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00024 J	<0.00003 J	<0.00003	<0.00003	<0.00003	0.000051 J	<0.00003 J	0.228
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.000066 J	<0.000025	<0.000025	<0.005
Naphthalene	*0.49*	*1.5*	<0.000021	<0.0002	<0.00014	<0.0002	<0.00017	<0.00002	<0.00011	0.00013 J	0.00024 J	0.0015 J	0.00017 J	0.000061 J	0.000055 J	<0.00002	0.00011 J	0.00018 J	**5.87**
Nitrobenzene	*0.049*	*0.15*	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0079
Pentachlorophenol	*0.001*	*0.001*	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.004**
Phenanthrene	*0.73*	*2.2*	<0.000022	<0.000021	<0.000047	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00017 J	<0.000021 J	<0.000021	<0.000021	<0.000021	0.0002 J	<0.000021 J	0.431
Phenol	*7.3*	*22*	<0.000036	0.000087 J	<0.000035	<0.000035	0.000064 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.004
Pyrene	*0.73*	*2.2*	0.0015	<0.000019	<0.000019	0.0022	0.0022	0.0038 J	0.0028 J	0.000034 J	0.0013	0.00098 J	0.00027 J	<0.000019 J	0.00035 J	<0.000019	0.00009 J	0.00012	0.0853
Metals																			
Arsenic	*0.01*	*0.01*		0.00313	0.0035	0.00464	0.00386	0.00621	0.00599	**0.0109 J**	0.00493 J	0.00837	0.00847	**0.0253 J**	0.00973 J	0.00226	0.00309	0.00395	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-34C 02/08/2012	MW-34CR 07/29/2014	MW-34CR 01/29/2018	MW-34CR 03/27/2018	MW-34CR 06/05/2018	MW-34CR 01/15/2019	MW-34CR 07/28/2020	MW-34CR 08/18/2020	MW-34CR 01/26/2021	MW-34CR 07/23/2021	MW-34CR 01/11/2022	MW-34CR 07/24/2022	MW-34CR 01/09/2023	MW-34CR 07/24/2023	MW-34CR 02/08/2024	MW-34CR 8/1/2024	MW-35A 01/29/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	0.001 J	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052
Benzene	*0.005*	*0.005*	0.0014 J	0.000154 J	<0.0002	<0.0002	<0.0002	<0.0002	0.0013		0.0023	0.0038	<0.0002	<0.0002	<0.0002	<0.0002	0.00055 J	0.00249	<0.00025
Chlorobenzene	*0.1*	*0.1*	0.001 J	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047
Ethylbenzene	*0.7*	*0.7*	0.0039 J	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	0.00098 J		0.0014	0.0024	<0.0003	<0.0003	<0.0003	<0.0003	0.00058 J	<0.000385	<0.00025
Methylene chloride	*0.005*	*0.005*	0.0013 J	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054
Toluene	*1*	*1*	0.0041 J	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	0.00086 J		0.0011	0.023	<0.0002	<0.0002	<0.0002	<0.0002	0.00035 J	<0.000475	<0.00041
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.0077 J	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	0.0007 J		0.0023	0.0026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.00127
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.00005 J	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	0.000026 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	0.00022 J	<0.000304	<0.00004	<0.00004	<0.00004	<0.00004		<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00021	<0.00004	<0.0003
2,4-Dinitrotoluene	*0.0013*	*0.003*	0.00005 J	<0.000127	<0.000058	<0.000058	<0.000058	<0.000058		<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002
2,6-Dinitrotoluene	*0.0013*	*0.003*	0.00006 J	<0.0000784	0.0001 J	<0.000042	<0.000042	<0.000042		<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002
2-Chloronaphthalene	*2*	*5.8*	0.00005 J	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004
2-Methylnaphthalene	*0.098*	*0.29*	0.00011 J	0.000255 J	<0.000019	<0.000019	<0.000019	<0.000079		<0.000019	<0.000019	0.00023	0.000092 J	<0.000058	<0.000019	<0.000019	0.00024	0.00068	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	0.00008 J	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	0.00005 J	<0.000549	<0.000047	<0.000047	<0.000047	<0.000047		<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025
Acenaphthene	*1.5*	*4.4*	0.00005 J	<0.0000784	<0.000027	<0.000027	<0.000027	0.000029 J		<0.000028	<0.000027	0.0075	0.000063 J	0.000038 J	<0.000027	<0.000027	0.00024	0.00013	0.0176
Acenaphthylene	*1.5*	*4.4*	0.00005 J	<0.0000588	<0.000015	<0.000015	<0.000015	<0.000015		<0.000015	<0.000015	0.00011	<0.000015	0.000096 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003
Anthracene	*7.3*	*22*	0.00005 J	<0.000049	<0.000014	<0.000014	<0.000014	<0.000014		<0.000014	0.000031 J	0.00094	0.000034 J	0.00014	<0.000014	<0.000014	0.00021	0.000037 J	0.000542
Benzo(a)anthracene	*0.0091*	*0.02*	0.00005 J	<0.0000784	<0.00005	<0.00005	<0.00005	<0.00005		<0.000051	<0.00005	0.000057 J	0.000069 J	0.000094 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*	0.00005 J	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002		<0.00002	0.000021 J	<0.00002	0.000067 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	0.00005 J	<0.000127	<0.00003	<0.00003	<0.00003	<0.00003		<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00053 J	<0.000799	<0.000037	<0.000037	0.000081 J	<0.000037		<0.000038	<0.000097	0.000062 J	0.000096 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00453
Chrysene	*0.91*	*2*	0.00005 J	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	0.000071	0.00014	0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00005 J	<0.000108	<0.00002	<0.00002	<0.00002	0.000021 J		0.00027	<0.000033	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00046 J
Dibenzofuran	*0.098*	*0.29*	0.000071 J	<0.0000784	<0.00002	<0.00002	<0.00002	0.000027 J		<0.00002	<0.00002	0.0066	<0.00002	<0.000046	<0.00002	<0.00002	0.0002	0.00019	0.00819
Fluoranthene	*0.98*	*2.9*	0.00017 J	<0.0000686	<0.00001	<0.00001	<0.00001	0.000014 J		<0.00001	<0.000022	0.0015	0.000094 J	0.0002	<0.000084	<0.00001	0.00015	0.000052 J	0.0014
Fluorene	*0.98*	*2.9*	0.00011 J	<0.0000686	<0.00003	<0.00003	<0.00003	<0.00003		<0.000031	<0.00003	0.0046	0.000058 J	<0.00005	<0.000034	<0.00003	0.00019	0.000095 J	0.00328
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.00005 J	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025		<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Naphthalene	*0.49*	*1.5*	0.00043 J	0.00282	<0.00017	<0.00002	<0.00023	<0.00069		<0.00002	<0.00002	0.019	<0.0003	<0.00027	<0.00002	<0.00002	0.0017	0.011	0.0257
Nitrobenzene	*0.049*	*0.15*	0.00005 J	<0.000108	<0.000024	<0.000024	<0.000024	<0.000024		<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004
Pentachlorophenol	*0.001*	*0.001*	0.00005 J	<0.000598	0.00013 J	<0.000079	<0.000079	<0.000079		<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002
Phenanthrene	*0.73*	*2.2*	0.0001 J	<0.0000588	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	0.0029	0.000064 J	<0.00014	<0.000021	<0.000021	0.00052	0.00015	0.00046 J
Phenol	*7.3*	*22*	0.000072 J	<0.0000392	<0.000035	<0.000035	<0.000035	<0.000035		<0.000036	0.000067 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000088 J	<0.000035	<0.0002
Pyrene	*0.73*	*2.2*	0.00021 J	<0.000108	<0.000019	<0.000019	<0.000019	<0.000019		<0.000019	<0.000019	0.00072	0.0001	0.00021	0.000065 J	<0.000019	0.00008 J	0.000034 J	0.000967
Metals																			
Arsenic	*0.01*	*0.01*			0.00106 J	0.000801 J	0.000689 J	0.00132 J	<0.0004		<0.0004	0.00121 J	0.00166 J	<0.0004	<0.0004	0.000819 J	0.0019 J	0.00197 J	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-35A 07/14/2008	MW-35A 02/03/2009	MW-35A 01/14/2010	MW-35A 06/30/2010	MW-35A 01/27/2011	MW-35A 07/20/2011	MW-35A 02/15/2012	MW-35A 07/18/2012	MW-35A 02/07/2013	MW-35A 08/08/2013	MW-35A 01/24/2014	MW-35A 07/24/2014	MW-35A 01/25/2018	MW-35A 03/22/2018	MW-35A 06/05/2018	MW-35A 01/15/2019	MW-35A 07/18/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	0.000367 J	0.00021 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	0.00015 J	<0.0003	0.00042 J	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00025	<0.0005	0.0015 J	<0.0005	<0.0005	<0.0011	<0.0011	0.0015 J	<0.00011	<0.00011	<0.00019	0.000473 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*										<0.00011		<0.00011					
Xylenes (total)	*10*	*10*	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	0.000309 J	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.00012 J	<0.0001	<0.0001	0.0003	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.000106	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000295	<0.000304	<0.000292	<0.000298	<0.00004	<0.00004	<0.00004	0.0021	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000127	<0.000123	<0.000125	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000784	<0.0000755	<0.0000769	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00038	<0.00007	0.00061	<0.00007	<0.00007	<0.00005	<0.00005	0.0063	0.000239 J	<0.0000686	0.00035 J	0.000151 J	0.0019	0.000092 J	0.00032	0.016	0.00012
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000814	<0.000783	<0.000798	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000549	<0.000528	<0.000538	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00656	0.0035	0.017	0.0077	0.00069	0.00091	0.00041	0.0072	0.0196	0.0181 J	0.0551	0.0294	0.0076	0.0064	0.006	0.0039	0.0028
Acenaphthylene	*1.5*	*4.4*	<0.00028	<0.00006	0.00011 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000588	0.000754	<0.0000577	<0.000015	0.000088 J	0.000066 J	0.000068 J	0.000071 J
Anthracene	*7.3*	*22*	0.00023 J	<0.00007	0.00043	0.00035	<0.00007	<0.00005	<0.00005	0.0013	0.000389 J	<0.000049	0.00111	0.000601	0.00038	0.00028	0.00022	0.00044	0.00011
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0003	<0.0000762	<0.0000784	<0.0000755	<0.0000769	0.000054 J	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.0000769	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000127	<0.000123	<0.000125	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00019	0.00024	<0.00045	<0.00048	0.0004	<0.00099	<0.00013	0.00014 J	<0.000352	<0.000363	<0.000349	<0.000356	0.00011 J	<0.000037	0.00018 J	<0.000037	0.000057 J
Chrysene	*0.91*	*2*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00027	<0.0000762	<0.0000784	<0.0000755	<0.0000769	0.00005 J	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00019	<0.00007	0.000092 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000838	<0.000106	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.00319	0.0014	0.005	0.0026	0.00011 J	0.00013 J	0.00008 J	0.0043	0.000429 J	0.000141 J	0.00177	0.00115	0.0047	0.0011	0.00072	0.0041	0.00039
Fluoranthene	*0.98*	*2.9*	0.00105	0.00034	0.0011	0.00048	0.00021	0.00053	0.00007 J	0.0027	0.000109 J	0.000365 J	0.000484	0.000782	0.00065	0.00039	0.00024	0.00015	0.00015
Fluorene	*0.98*	*2.9*	0.00161	0.00062	0.0028	0.0014	0.000095 J	0.00012 J	<0.00005	0.0029	<0.0000667	0.002 J	0.0149	0.0071	0.0024	0.00061	0.00086	0.0022	0.00036
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.000098	<0.0000943	<0.0000962	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.000704	<0.0001	0.19	0.0017	0.00028	<0.00005	0.00027	0.05	0.00286 J	0.000557 J	0.00968	0.00293	0.13	0.013	0.0075	0.22	0.00083
Nitrobenzene	*0.049*	*0.15*	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.000106	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.000598	<0.000575	<0.000587	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00019	<0.00007	0.00039	<0.00007	<0.00007	<0.00005	<0.00005	0.0068	0.000104 J	<0.0000588	<0.000848	0.000449 J	0.0016	0.00028	<0.000021	0.0025	0.000042 J
Phenol	*7.3*	*22*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381	<0.0000392	<0.0000377	<0.0000385	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.000547	0.00025	0.00092	0.00031	<0.00007	0.00029	<0.00005	0.0016	0.000305 J	0.000252 J	0.000376 J	0.000548	0.00055	0.00026	0.00027	0.00007 J	0.000096 J
Metals																			
Arsenic	*0.01*	*0.01*													**0.0166**	**0.0714**	**0.0189**	**0.0198**	**0.0548**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-35A 01/10/2020	MW-35A 07/22/2020	MW-35A 01/12/2021	MW-35A 07/22/2021	MW-35A 01/27/2022	MW-35A 07/20/2022	MW-35A 01/12/2023	MW-35A 07/18/2023	MW-35A 02/07/2024	MW-35A 07/24/2024	MW-35B 01/29/2008	MW-35B 07/14/2008	MW-35B 02/03/2009	MW-35B 01/14/2010	MW-35B 07/01/2010	MW-35B 01/27/2011	MW-35B 07/20/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00109	<0.005	<0.005	<0.0005	<0.0005	<0.005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	0.00044 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0648**	**0.0281**	**0.062**	**0.064**	**0.068**	**0.064**	**0.056**
Chlorobenzene	*0.1*	*0.1*	<0.0003	0.00058 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0011	<0.0003	<0.0003	<0.00047	<0.0015	<0.005	<0.005	<0.0005	<0.0005	<0.005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	0.0006 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.176	0.113	0.2	0.2	0.21	0.22	0.17
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00122	<0.005	<0.005	<0.0005	<0.0005	**<0.0065**
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00494 J	0.00249 J	0.0057 J	<0.005	0.005	0.0045 J	<0.005
Vinyl chloride	*0.002*	*0.002*	<0.0002									<0.0002							
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	0.00032 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.135	0.0787	0.15	0.15 J	0.17	0.16	0.12
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	**0.0012**	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.0003	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.0004	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.000092 J	<0.000029	0.00048	0.0007	0.00008 J	<0.000019	0.000073 J	0.0001	0.00016	**0.464**	0.0561	**0.4**	**0.47**	**0.36**	**0.41**	**0.48**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00025	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	0.0031	0.0018	0.0038	0.0062	0.000095 J	<0.000027	0.0012	0.00022	0.0042	0.217	0.116	0.17	0.22	0.2	0.19	0.2
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	0.000058	0.00027	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.0003	0.00088	0.0013	0.0011	0.0012	0.00097
Anthracene	*7.3*	*22*	<0.000014	0.000099 J	0.000057 J	0.00013	0.00028	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.0129	0.00842	0.0056	0.008	0.015	0.014	0.016
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00044 J	0.0003 J	0.00017 J	0.00032	0.00022	0.00031	0.00021
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.00008	0.00014 J	0.00012 J	0.00014 J	0.000069 J
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000061 J	0.00014 J	<0.000037	<0.000037	0.000048 J	0.00007 J	<0.000037	<0.000037	<0.000037	<0.000037	**0.0198**	<0.0002	0.00052	<0.00029	<0.00097	0.00041	<0.00056
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00033 J	0.00022 J	0.00015 J	0.00028	0.00017 J	0.00037	0.00025
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000024	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00072	0.00018	0.00098	0.0029	0.00019	0.0001	0.00015	0.00017	0.00031	**0.198**	**0.104**	**0.16**	**0.23**	**0.22**	**0.2**	**0.21**
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00028	0.000079 J	0.00025	0.00055	0.00011	0.000073 J	0.000078 J	<0.00001	0.000068 J	0.00698	0.00624	0.0031	0.0053	0.006	0.0065	0.0056
Fluorene	*0.98*	*2.9*	0.000065 J	0.0006	<0.00012	0.00071	0.0021	0.00021	0.00007 J	0.00017	0.00010	0.00031	0.0912	0.0685	0.063	0.092	0.11	0.09	0.097
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Naphthalene	*0.49*	*1.5*	<0.0002	0.0012	<0.00035	0.011	0.00034	0.000093 J	0.00031	<0.00002	0.0040	0.0002	**9.3**	0.365	**12**	**14**	**11**	**4.8**	**12**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000053	0.00006 J	<0.000021	<0.000021	<0.000021	<0.000021	0.00010	<0.000021	0.1	0.0782	0.061	0.086	0.12	0.078	0.12
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000053	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	0.00059	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	0.00024	<0.000019	0.00025	0.00049	0.00013	<0.000019	0.000071 J	<0.000019	<0.000019	0.00411	0.0026	0.0017	0.0027	0.0025	0.0032	0.0027
Metals																			
Arsenic	*0.01*	*0.01*	**0.0219**	**0.0302**	**0.0277**	**0.0284**	**0.0285**	**0.0921**	**0.0115**	**0.0287**	0.00838	**0.0471**							

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-35B 02/15/2012	MW-35B 07/18/2012	MW-35B 02/07/2013	MW-35B 08/08/2013	MW-35B 01/24/2014	MW-35B 07/24/2014	MW-35B 01/25/2018	MW-35B 03/22/2018	MW-35B 06/05/2018	MW-35B 01/15/2019	MW-35B 07/18/2019	MW-35B 01/10/2020	MW-35B 01/10/2020 Duplicate	MW-35B 07/22/2020	MW-35B 01/12/2021	MW-35B 07/22/2021	MW-35B 01/27/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.005	<0.0007	<0.0028	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.077**	**0.064**	**0.0662**	**0.0855**	**0.0664**	**0.0539**	**0.078**	**0.088**	**0.044**	0.0033	0.0045	**0.025 J**	**0.016 J**	**0.045**	**0.046**	**0.076**	**0.069**
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.005	<0.0006	<0.0024	0.000241 J	0.000228 J	0.0009 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.19	0.19	0.225	0.258	0.187	0.176	0.15	0.15	0.12	0.0094	0.014	0.096	0.083	0.056	0.05	0.012	0.013
Methylene chloride	*0.005*	*0.005*	<0.0013	**0.02 J**	<0.00075	**0.0234**	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0042 J	<0.005	0.00437 J	0.00584 J	0.00429	0.00377	0.0057	0.0041	0.0031	<0.0002	0.00054 J	<0.0002	<0.0002	0.0025	0.0021	0.0025	0.0016
Vinyl chloride	*0.002*	*0.002*				**<0.0022**		<0.00011						<0.0002	<0.0002				
Xylenes (total)	*10*	*10*	0.13	0.13 J	0.153	0.174	0.132	0.114	0.064	0.066	0.056	0.004	0.0062	0.058 J	0.041 J	0.042	0.035	0.011	0.012
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	**<0.105**	**<0.00539**	**<0.106**	<0.00107	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**0.0013**	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	<0.295	<0.0152	<0.298	<0.00301	<0.0004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	0.00021	<0.00004	<0.00004	<0.00004	<0.0004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	**<0.124**	**<0.00637**	**<0.125**	<0.00126	<0.00059	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	**<0.0762**	**<0.00392**	**<0.0769**	<0.000777	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.0762	<0.00392	<0.0769	<0.000777	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.18**	**0.26**	**0.295 J**	**0.431**	**0.534**	**0.376**	**0.13**	**0.22**	**0.25**	0.011	0.041	**0.14 J**	0.062 J	0.068	**0.16**	0.018	0.022
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	**<0.79**	**<0.0407**	**<0.798**	**<0.00806**	<0.0002	0.00078 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	**<0.533**	<0.0275	**<0.538**	<0.00544	<0.00047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.08	0.15	0.173 J	0.258	0.305 J	0.139	0.094	0.18	0.17	0.013	0.029	0.059 J	0.033 J	0.044	0.094	0.052	0.027
Acenaphthylene	*1.5*	*4.4*	0.00063 J	0.00078	<0.0571	<0.00294	<0.0577	0.0015 J	<0.00015	0.0014	0.00076	0.00018	0.00022	0.00038	0.00027	0.00034	0.00052	0.00066	<0.00015
Anthracene	*7.3*	*22*	0.0048 J	0.0064	<0.0476	0.0202 J	<0.0481	0.0111	0.011	0.014	0.0072	0.0011	0.0022	0.0029 J	0.0018 J	0.0044	0.0063	0.0044	0.004
Benzo(a)anthracene	*0.0091*	*0.02*	0.00011 J	0.0002	**<0.0762**	<0.00392	**<0.0769**	<0.000777	<0.00051	<0.0005	0.000075 J	0.000077 J	0.000083 J	<0.00005	<0.00005	0.00013	0.000092 J	0.00014	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	**<0.0762**	**<0.00392**	**<0.0769**	**<0.000777**	<0.0002	<0.0002	<0.00002	0.000058 J	0.000053 J	<0.00002	<0.00002	0.000058 J	0.000024 J	0.000055 J	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	**<0.124**	**<0.00637**	**<0.125**	**<0.00126**	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00088	0.00018 J	**<0.352**	**<0.0181**	**<0.356**	<0.00359	<0.00037	<0.00037	<0.000037	<0.00014	0.00012 J	<0.000037	<0.000037	<0.000037	0.0001 J	<0.000037	<0.00037
Chrysene	*0.91*	*2*	0.0001 J	0.00023	<0.0762	<0.00392	<0.0769	<0.000777	0.00051 J	<0.00021	0.000086 J	0.000098 J	0.000091 J	<0.000021	<0.000021	0.00013	0.000086	0.00013	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.105	<0.00539	<0.106	<0.00107	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000053	0.00023	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.097	**0.14**	**0.161 J**	**0.252**	**0.256 J**	**0.138**	**0.13**	**0.22**	**0.18**	0.015	0.029	0.054 J	0.031 J	0.054	0.096	0.063	0.031
Fluoranthene	*0.98*	*2.9*	0.0026 J	0.0039	<0.0667	0.00756 J	0.0698 J	0.00692	0.0081	0.0098	0.0031	0.0013	0.0017	0.0015 J	0.00093 J	0.0029	0.0034	0.0042	0.0032
Fluorene	*0.98*	*2.9*	0.048	0.069	<0.0667	0.138	0.167 J	0.076	0.057	0.092	0.095	0.0066	0.014	0.028 J	0.015 J	0.028	0.054	0.036	0.017
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.0952	<0.0049	<0.0962	<0.000971	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Naphthalene	*0.49*	*1.5*	**7.4**	**7.6**	**8.83**	**14.1**	**13.1**	**9.36**	**5**	**13**	**15**	0.079	**1.1**	**2 J**	0.13 J	**2.1**	**0.9**	0.0061	0.014
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	**<0.105**	<0.00539	**<0.106**	<0.00107	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	**<0.581**	**<0.0299**	**<0.587**	**<0.00592**	<0.0008	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.052	0.066	0.0936 J	0.142	0.27 J	0.0891	0.088	0.18	0.11	0.0086	0.019	0.024 J	0.013 J	0.042	0.075	0.042	0.029
Phenol	*7.3*	*22*	<0.00005	0.00014 J	<0.0381	<0.00196	0.129 J	<0.000388	<0.00035	<0.00035	<0.000035	<0.000035	0.00017 J	<0.000035	<0.000035	<0.000035	<0.000035	0.00024	<0.00035
Pyrene	*0.73*	*2.2*	0.0016 J	0.0019	<0.105	<0.00539	<0.106	0.00327 J	0.0057	0.0053	0.0018	0.00075	0.00079	0.0007 J	0.00045 J	0.0014	0.0018	0.002	0.0017
Metals																			
Arsenic	*0.01*	*0.01*							0.00465	0.00595	**0.0116**	0.00862	0.0012 J	**0.012**	**0.0159**	0.00758	**0.017**	0.00433	0.00303

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-35B 07/20/2022	MW-35B 01/12/2023	MW-35B 07/18/2023	MW-35B 02/07/2024	MW-35B 07/24/2024	MW-36A 01/29/2008	MW-36A 07/14/2008	MW-36A 02/03/2009	MW-36A 01/13/2010	MW-36A 06/29/2010	MW-36A 01/20/2011	MW-36A 07/19/2011	MW-36A 02/07/2012	MW-36A 07/17/2012	MW-36A 01/31/2013	MW-36A 08/06/2013	MW-36A 01/16/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	0.0026	<0.001	<0.002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	**0.089**	**0.056**	**0.097**	**0.078**	**0.022**	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0015	<0.003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018
Ethylbenzene	*0.7*	*0.7*	0.0034	0.0012	0.0018	<0.0015	0.025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.005	**<0.01**	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022
Toluene	*1*	*1*	0.0017	<0.0002	0.0014	<0.001	<0.002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017
Vinyl chloride	*0.002*	*0.002*					<0.002							<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00018
Xylenes (total)	*10*	*10*	0.013	0.0083	0.011	0.0091 J	0.016 J	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	<0.000104
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000292	<0.000292	<0.000292
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000123	<0.000123
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000755	<0.0000755
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755
2-Methylnaphthalene	*0.098*	*0.29*	0.075	0.031	0.03	0.063	0.028	<0.0004	<0.00039	<0.00007	0.0003	0.00023	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.000783	<0.000783
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	0.0013 J	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000528	<0.000528
Acenaphthene	*1.5*	*4.4*	0.075	0.029	0.034	0.057	0.042	<0.0003	<0.00029	<0.00009	0.00036	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000867
Acenaphthylene	*1.5*	*4.4*	0.00048	<0.000015	<0.000015	<0.000015	0.00047	<0.0003	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000566	<0.0000566
Anthracene	*7.3*	*22*	0.014	0.003	0.0037	0.0046	0.0026	0.00065	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000472	<0.0000472	<0.0000472
Benzo(a)anthracene	*0.0091*	*0.02*	0.00061	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755
Benzo(a)pyrene	*0.0002*	*0.0002*	0.00019	<0.00002	0.000034 J	<0.00002	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000123	<0.000123
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00012 J	<0.000037	<0.000037	<0.000037	<0.000037	0.00061 J	<0.0002	0.00045	<0.00033	<0.00061	<0.00048	<0.0004	0.0025	<0.0001	<0.000349	<0.000349	<0.000349
Chrysene	*0.91*	*2*	0.00057	<0.000021	0.00013	0.000082 J	<0.000021	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.00015 J	<0.00002	<0.00002	0.000057 J	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000391	<0.000104
Dibenzofuran	*0.098*	*0.29*	0.093	0.033	0.039	0.053	0.017	0.00049 J	<0.00029	<0.00008	0.0003	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755
Fluoranthene	*0.98*	*2.9*	0.0099	0.0025	0.0038	0.0034	0.0018	0.000526	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066
Fluorene	*0.98*	*2.9*	0.051	0.017	0.022	0.034	0.021	0.00028 J	<0.0002	<0.00007	0.00024	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000943	<0.0000943
Naphthalene	*0.49*	*1.5*	0.0051	0.0014	0.00095	0.0014	0.063	0.00119	<0.00039	0.0006	0.0013	0.0023	<0.0001	<0.00005	<0.00005	0.0003	<0.000211	<0.0000755	<0.0000755
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	<0.000104
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000575	<0.000575
Phenanthrene	*0.73*	*2.2*	0.098	0.031	0.037	0.054	0.02	0.000727	<0.0002	<0.00007	0.00039	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000861	<0.000201
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000377	<0.0000377
Pyrene	*0.73*	*2.2*	0.0057	0.0011	0.0017	0.0016	0.00084	0.000531	<0.0002	0.00015 J	0.00021	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	0.000155 J
Metals																			
Arsenic	*0.01*	*0.01*	0.00379	0.00451	0.00329	0.00440	**0.01100**												

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-36A 07/28/2014	MW-36A 01/25/2018	MW-36A 03/21/2018	MW-36A 05/31/2018	MW-36A 01/14/2019	MW-36A 07/16/2019	MW-36A 01/09/2020	MW-36A 07/29/2020	MW-36A 08/18/2020	MW-36A 01/27/2021	MW-36A 07/21/2021	MW-36A 01/25/2022	MW-36A 07/27/2022	MW-36A 02/01/2023	MW-36A 07/20/2023	MW-36A 01/24/2024	MW-36A 07/31/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002									
Xylenes (total)	*10*	*10*	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000301	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.000052		<0.000042	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000126	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058		<0.00006	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000777	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042		<0.000044	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000177	<0.000019	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019		<0.00002	<0.000019	<0.000019	<0.000019	0.000023 J	<0.000019	<0.000019	0.00045	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000544	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047		<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.0000777	<0.000028	0.00059	<0.000027	<0.000027	<0.000027	<0.000027		<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00012	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015		<0.000016	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0000485	<0.000014	0.000066 J	<0.000014	<0.000014	<0.000014	<0.000014		<0.000015	<0.000014	<0.000014	<0.000014	0.000016 J	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000777	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005		<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000777	<0.00002	0.000064 J	0.00003 J	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000126	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003		<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000359	0.000089 J	0.00015 J	0.0001 J	<0.000037	<0.000037	<0.000037		<0.000039	<0.00016	<0.000037	<0.000037	<0.000037	0.000068 J	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.0000777	<0.000021	<0.000021	0.000027 J	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000107	<0.00002	<0.00002	0.000028 J	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.0000777	<0.00002	0.00061	<0.00002	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002	<0.00002	<0.00002	0.00003 J	<0.00002	<0.00002	0.00017	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.000068	<0.00001	0.00012	0.000033 J	<0.00001	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	0.000023 J	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.000068	<0.000031	0.00034	<0.00003	<0.00003	<0.00003	<0.00003		<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000971	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025		<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00101	<0.00002	<0.00002	<0.00002	<0.000062	0.00015	<0.00034		<0.000021	<0.00002	<0.00063	<0.00002	0.000054 J	0.000087 J	0.000028 J	0.0068	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024		<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000592	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079		<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.0000583	<0.000021	0.00011	0.000026 J	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	0.000052 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.0000388	<0.000036	<0.000035	<0.000035	<0.000035	<0.00014	<0.000035		<0.000036	<0.00012	0.00014 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000107	<0.000019	0.000076 J	0.000032 J	<0.000019	<0.000019	<0.000019		<0.00002	<0.000019	<0.000019	<0.000019	0.000025 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*		0.00108 J	0.00753	0.00117 J	0.00107 J	0.00244	0.00354	**0.0112**		0.00132 J	0.00492	0.000915 J	0.000964 J	0.00134 J	0.0029	0.000996 J	0.00125 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-36D 07/15/2010	MW-36D 01/26/2011	MW-36D 07/27/2011	MW-36D 02/14/2012	MW-36D 07/23/2012	MW-36D 07/23/2012 Duplicate	MW-36D 02/11/2013	MW-36D 08/05/2013	MW-36D 01/21/2014	MW-36D 08/28/2014	MW-36D 02/07/2018	MW-36D 03/26/2018	MW-36D 05/31/2018	MW-36D 01/24/2019	MW-36D 07/31/2019	MW-36D 01/16/2020	MW-36D 07/29/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	0.00071 J	<0.001	<0.001	<0.0005	<0.0005	<0.00008	<0.00008	<0.0002	0.0000895 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.00012	0.00013 J	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.0005	<0.00011	0.000127 J	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.00015	<0.00015	<0.00017	0.00675	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00008 J	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.000295	<0.00031	<0.000292	<0.000307	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000123	<0.000129	<0.00058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	<0.0000755	<0.0000792	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	<0.0000792	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	0.00013 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000667	<0.00007	0.000189 J	<0.0000693	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000069 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.00083	<0.000783	<0.000822	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	<0.000528	<0.000554	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	0.00014 J	<0.0000792	0.00056 J	0.002	<0.000027	<0.000027	<0.000027	<0.000027	0.000067 J
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000571	<0.00006	<0.0000566	<0.0000594	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000476	<0.00005	0.000105 J	0.000224 J	<0.00014	0.00016	0.000037 J	<0.000014	0.000017 J	<0.000033	0.000066 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	0.000213 J	<0.0005	0.00024	0.00019	<0.00005	0.000053 J	<0.00005	0.000052 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	0.000192 J	<0.0002	**0.0003**	**0.00024**	0.000027 J	0.000087 J	<0.00002	0.000056 J
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000123	<0.000129	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.005 J	0.00097	0.0012	<0.0012	<0.00035	<0.00059	<0.000352	<0.00037	<0.000349	0.00128	<0.00037	0.00054	0.0005	0.000055 J	0.00008 J	<0.000037	0.0001 J
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00005	0.000078 J	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	0.000347 J	<0.00021	0.00031	0.00026	0.000031 J	0.000058 J	<0.000021	<0.000062
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	0.00032	0.000052 J	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000062 J
Dibenzofuran	*0.098*	*0.29*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	0.00017 J	<0.0000792	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00008 J
Fluoranthene	*0.98*	*2.9*	<0.00007	<0.00007	0.000068 J	0.00013 J	0.000054 J	0.000093 J	<0.0000667	<0.00007	0.000216 J	0.00111	<0.0001	0.00094	0.00039	0.000048 J	0.00011	<0.00001	0.00014
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000667	<0.00007	0.000147 J	0.0001 J	<0.0003	0.00086	0.00003 J	<0.00003	<0.00003	<0.00003	0.000081 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0001	<0.0000943	<0.000099	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.0001	0.00083	0.000061 J	<0.000072	<0.00014	<0.00015	<0.0000762	<0.00008	0.0011 J	0.0000923 J	<0.0002	0.00015	0.000045 J	<0.00002	<0.00002	<0.000033	0.00047
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.000581	<0.00061	<0.000575	<0.000604	<0.00079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	<0.00007	0.000072 J	0.000069 J	<0.00005	0.00014 J	<0.0000571	<0.00006	0.000665	0.00102	<0.00021	0.00037	0.00028	<0.000021	0.000066 J	<0.000047	0.00026
Phenol	*7.3*	*22*	0.00065	<0.00007	0.000056 J	0.00023	<0.00005	<0.00005	<0.0000381	<0.00004	<0.0000377	0.00194	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00007	<0.00007	0.000053 J	0.000087 J	<0.00005	<0.00005	<0.000105	<0.00011	0.000159 J	0.000881	<0.00019	0.00062	0.00036	0.000042 J	0.000099 J	<0.000019	<0.0001
Metals																			
Arsenic	*0.01*	*0.01*											0.000773 J	0.00137 J	<0.0004	0.000417 J	<0.0004	0.000533 J	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-36D 01/26/2021	MW-36D 07/22/2021	MW-36D 01/26/2022	MW-36D 07/27/2022	MW-36D 02/02/2023	MW-36D 07/14/2023	MW-36D 02/06/2024	MW-36D 08/06/2024	MW-38A 01/29/2008	MW-38A 01/29/2008 Duplicate	MW-38A 07/14/2008	MW-38A 07/14/2008 Duplicate	MW-38A 02/03/2009	MW-38A 01/14/2010	MW-38A 06/29/2010	MW-38A 01/25/2011	MW-38A 07/19/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052	<0.00052	<0.00109	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.00025	<0.00025	<0.00112	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047	<0.00047	<0.0015	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	<0.00025	<0.00025	<0.00142	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054	<0.00054	<0.00122	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	<0.00041	<0.00041	<0.00138	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.00127	<0.00127	<0.00302	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.000077	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00029	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.0002	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00039	<0.00039	<0.00039	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.00084	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00039	<0.00039	<0.00039	<0.00038	0.00044	<0.00007	0.00016 J	0.000085 J	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00024	<0.00024	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	0.0003	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00029	<0.00029	<0.00029	<0.00028	<0.00009	0.00024	<0.00009	<0.00009	0.00043
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00029	<0.00029	<0.00028	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005
Anthracene	*7.3*	*22*	0.000022 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.00023	0.0001 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	0.00025
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	**0.00052**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00039	<0.00039	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00016	0.00037	0.000068 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00078 J	**0.0145**	0.00022 J	0.00105 J	0.00042	<0.00049	<0.00044	0.00064	<0.00094
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	0.00022
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000026	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	0.00017 J
Dibenzofuran	*0.098*	*0.29*	0.0004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	<0.00029	<0.00029	<0.00028	<0.00008	<0.00008	0.000083 J	<0.00008	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.000027	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	0.00012 J	<0.00007	0.00034	0.00014 J
Fluorene	*0.98*	*2.9*	0.0002	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00024	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Naphthalene	*0.49*	*1.5*	0.0046	<0.00019	<0.00002	<0.00002	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00039	<0.00039	<0.00039	<0.00038	0.006	<0.0001	<0.0001	0.00059	<0.00026
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00039	<0.00039	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	0.000067 J
Phenanthrene	*0.73*	*2.2*	0.00022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.0001 J	<0.00005
Phenol	*7.3*	*22*	0.00029	<0.000065	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	0.0001 J	<0.00007	0.00021	0.00018 J
Metals																			
Arsenic	*0.01*	*0.01*	0.00212	0.00234	0.00615	0.000425 J	0.000986 J	0.00102 J	<0.0004	0.000805 J									

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-38A 08/25/2011	MW-38A 02/15/2012	MW-38A 07/18/2012	MW-38A 02/07/2013	MW-38A 08/08/2013	MW-38A 01/21/2014	MW-38A 07/25/2014	MW-38A 01/26/2018	MW-38A 03/25/2018	MW-38A 06/05/2018	MW-38A 01/22/2019	MW-38A 07/31/2019	MW-38A 01/21/2020	MW-38A 07/20/2020	MW-38A 01/13/2021	MW-38A 07/14/2021	MW-38A 01/27/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*		<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	0.00031 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*		<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*		<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*		<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*		<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*		<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*					<0.00011		<0.00011										
Xylenes (total)	*10*	*10*		<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*		<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*		<0.00005	<0.00005	<0.000295	<0.000292	<0.000295	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*		<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000126	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*		<0.00006	<0.00006	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*		<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*		<0.00005	<0.00031	<0.0000667	0.000115 J	<0.0000667	<0.000068	<0.000019	0.00014	<0.000019	0.000055 J	<0.000019	0.00017	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*		<0.00008	<0.00008	<0.00079	<0.000783	<0.00079	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*		<0.00005	<0.00005	<0.000533	<0.000528	<0.000533	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*		<0.00005	<0.00025	<0.0000762	0.000638	<0.0000762	<0.0000777	<0.000027	0.0039	0.00061	0.014	<0.000027	0.00068	0.000089 J	0.0079	0.0069	<0.000027
Acenaphthylene	*1.5*	*4.4*		<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000571	<0.0000583	<0.000015	0.000053 J	<0.000015	0.0002	<0.000015	<0.000015	<0.000015	0.000056 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*		<0.00005	<0.00013	0.0000712 J	<0.0000472	0.000103 J	<0.0000816	<0.000014	0.00026	0.00015	0.00017	0.000022 J	0.00015	<0.000014	0.00013	0.000089 J	0.00012
Benzo(a)anthracene	*0.0091*	*0.02*		<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.00005	<0.000051	<0.00005	<0.00005	0.000087 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.00012	0.000032 J	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*		<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*		0.0016	0.00023	<0.000352	<0.000349	<0.000352	<0.000359	<0.000037	<0.000037	0.0001 J	<0.000037	0.000084 J	0.000063 J	<0.000037	0.00013 J	0.000068 J	0.000069 J
Chrysene	*0.91*	*2*		<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	0.000092 J	0.00006 J	<0.000021	<0.000022	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*		<0.00005	0.000052 J	<0.000105	0.000145 J	<0.000105	<0.000107	<0.00002	<0.00002	0.00017 J	0.000068 J	<0.00002	<0.00002	<0.00002	<0.000021	0.000029 J	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.000055 J	<0.00005	<0.00014	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.00002	<0.00002	0.00006 J	0.00014	<0.00002	0.00036	<0.00002	0.000086 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*		<0.00005	<0.00017	<0.0000667	0.000164 J	<0.0000667	<0.000068	<0.00001	0.00023	0.000032 J	0.0013	0.00018	0.00018	<0.00001	0.00045	0.00074	<0.00001
Fluorene	*0.98*	*2.9*		<0.00005	<0.00015	<0.0000667	<0.000066	<0.0000667	<0.000068	<0.00003	0.0003	0.00016	0.0024	<0.00003	0.00029	<0.00003	0.00069	0.00055	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*		<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000952	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.00011 J	<0.000025	<0.000026	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*		<0.00005	<0.001	<0.0000762	0.00192 J	<0.000146	<0.0000777	<0.00002	<0.00002	0.00071	0.00015	0.000068 J	0.0011	<0.00002	0.000042 J	<0.00011	0.00018
Nitrobenzene	*0.049*	*0.15*		<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*		<0.00005	<0.00005	<0.000581	<0.000575	<0.000581	<0.000592	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*		0.00011 J	<0.00032	<0.0000571	<0.0000566	<0.0000571	<0.0000583	<0.000021	0.00033	<0.000021	0.00058	0.0001	0.00039	<0.000021	0.000084 J	<0.000021	<0.000021
Phenol	*7.3*	*22*		<0.00005	<0.00005	<0.0000381	<0.0000377	<0.0000381	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*		<0.00005	<0.00016	<0.000105	0.000176 J	<0.000105	<0.000107	<0.000019	0.00021	0.000056 J	0.0011	0.00014	0.00014	<0.000019	0.00037	0.00067	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*								<0.0004	**0.0138**	**0.0124**	**0.0186**	<0.0004	**0.0177**	0.00512	**0.0288**	**0.0292**	0.00655

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-38A 07/26/2022	MW-38A 01/26/2023	MW-38A 07/20/2023	MW-38A 01/25/2024	MW-38A 08/05/2024	MW-38B 01/29/2008	MW-38B 07/14/2008	MW-38B 02/03/2009	MW-38B 01/14/2010	MW-38B 06/29/2010	MW-38B 01/25/2011	MW-38B 07/18/2011	MW-38B 02/15/2012	MW-38B 07/18/2012	MW-38B 02/07/2013	MW-38B 08/08/2013	MW-38B 01/21/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.00025	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	<0.00041	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017
Vinyl chloride	*0.002*	*0.002*																<0.00011	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.00127	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000295	<0.000292	<0.000295
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000755	<0.0000762
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762
2-Methylnaphthalene	*0.098*	*0.29*	<0.00044	0.000058 J	<0.000019	0.00021	<0.000019	<0.0004	<0.00038	0.00037	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0003	<0.0000667	<0.000066	0.000137 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000783	<0.00079
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000528	<0.000533
Acenaphthene	*1.5*	*4.4*	0.0015	0.0074	0.0023	0.0012	0.0005	<0.0003	<0.00029	0.0001 J	<0.00009	0.00047	<0.00009	<0.00005	0.0001 J	0.00096	0.000226 J	<0.0000755	0.0000786 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00011	<0.000015	0.000062 J	<0.000015	<0.0003	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000571
Anthracene	*7.3*	*22*	<0.00027	0.000097 J	0.000057 J	<0.000014	0.000043 J	<0.0002	0.00026 J	0.00013 J	<0.00007	<0.00007	0.00011 J	0.00013 J	0.00021	<0.00023	0.000313 J	<0.0000472	0.000141 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	0.000072 J	<0.000124	<0.000123	<0.000124
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00014 J	0.00004 J	<0.000037	<0.000037	<0.000037	0.00103 J	<0.00019	0.00041	<0.00039	<0.00074	<0.0002	<0.001	<0.0001	<0.0001	<0.000352	<0.000349	<0.000352
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105
Dibenzofuran	*0.098*	*0.29*	<0.00022	0.0001	<0.00002	0.000096 J	<0.00002	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00028	<0.0000762	<0.0000755	0.0000923 J
Fluoranthene	*0.98*	*2.9*	<0.00016	0.00021	0.000066 J	0.000049 J	0.00024	<0.0002	<0.00019	<0.00007	<0.00007	0.00017 J	<0.00007	<0.00005	<0.00005	<0.00032	<0.0000667	<0.000066	0.000101 J
Fluorene	*0.98*	*2.9*	<0.00043	0.00096	0.00038	<0.00013	0.000058 J	<0.0002	<0.00019	<0.00007	<0.00007	0.00015 J	<0.00007	<0.00005	<0.00005	<0.00027	<0.0000667	<0.000066	0.0000778 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	0.00014 J	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000952
Naphthalene	*0.49*	*1.5*	0.0019	0.000039 J	<0.00002	0.0011	<0.00002	<0.0004	<0.00038	0.0045	<0.00014	<0.0001	0.00031	<0.00005	0.00037	<0.0015	<0.0000762	<0.0000755	0.000466 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	0.000024	<0.000024	<0.0004	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.000575	<0.000581
Phenanthrene	*0.73*	*2.2*	<0.00038	0.00019	0.000046 J	0.000077 J	<0.000021	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00037	<0.0000571	<0.0000566	0.000304 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381	<0.0000377	<0.0000381
Pyrene	*0.73*	*2.2*	<0.00014	0.00013	0.000072 J	<0.000019	0.00024	<0.0002	<0.00019	<0.00007	<0.00007	0.00027	<0.00007	<0.00005	<0.00005	<0.00037	<0.000105	<0.000104	<0.000105
Metals																			
Arsenic	*0.01*	*0.01*	**0.0334**	**0.017**	**0.0185**	**0.0136**	**0.0372**												

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-38B 07/25/2014	MW-38B 01/26/2018	MW-38B 03/25/2018	MW-38B 06/05/2018	MW-38B 01/22/2019	MW-38B 07/18/2019	MW-38B 01/21/2020	MW-38B 07/20/2020	MW-38B 01/13/2021	MW-38B 07/14/2021	MW-38B 01/21/2022	MW-38B 07/26/2022	MW-38B 01/26/2023	MW-38B 07/19/2023	MW-38B 01/25/2024	MW-38B 08/05/2024	MW-39B 01/30/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052
Benzene	*0.005*	*0.005*	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00189	<0.00025
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0137	<0.00025
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00173	<0.00054
Toluene	*1*	*1*	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00723	<0.00041
Vinyl chloride	*0.002*	*0.002*	<0.00011																
Xylenes (total)	*10*	*10*	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0202	<0.00127
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00025	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000048 J	<0.000021	<0.00042	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000307	<0.000041	<0.00004	<0.00004	<0.00004	0.000056 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0008	<0.0003
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000129	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0012	<0.0002
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000792	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00084	<0.0002
2-Chloronaphthalene	*2*	*5.8*	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00042	<0.0004
2-Methylnaphthalene	*0.098*	*0.29*	<0.0000992	0.000096 J	<0.000019	<0.000019	<0.000019	0.0003	0.00017	<0.000019	<0.000019	<0.000019	<0.000019	<0.00007	<0.000019	<0.000019	<0.000019	0.0088	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0004	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000554	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00094	<0.00025
Acenaphthene	*1.5*	*4.4*	<0.000342	<0.000028	0.000095 J	0.048	<0.000027	0.00012	0.054	<0.000027	0.000027 J	0.00026	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.03	0.000664
Acenaphthylene	*1.5*	*4.4*	<0.0000594	<0.000015	<0.000015	0.00036	<0.000015	<0.000015	0.00045	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00054 J	<0.0003
Anthracene	*7.3*	*22*	<0.000398	0.000047 J	<0.000014	0.0018	0.0001	0.000037 J	0.0012	<0.000014	<0.000014	0.000036 J	<0.000014	<0.000071	<0.000014	0.000036 J	<0.000014	0.0015 J	0.00106
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000792	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	0.000055 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.0004**	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000129	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0006	<0.0004
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000366	0.000061 J	0.00012 J	<0.000037	<0.000037	0.00031	<0.000037	<0.000037	0.000067 J	0.000043 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00074	0.00119 J
Chrysene	*0.91*	*2*	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000057 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00042	<0.0002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000109	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	0.000036 J	<0.00002	0.000041 J	0.000028 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0004	<0.0002
Dibenzofuran	*0.098*	*0.29*	<0.00041	0.000053 J	<0.00002	0.008	<0.00002	0.00014	0.0054	<0.00002	<0.00002	0.00015	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.018	<0.0003
Fluoranthene	*0.98*	*2.9*	<0.00058	<0.00001	0.000022 J	0.0014	<0.00001	<0.00001	0.0025	<0.00001	0.000016 J	0.000071 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00086 J	0.00213
Fluorene	*0.98*	*2.9*	<0.000219	0.000046 J	<0.00003	0.019	<0.00003	0.00006 J	0.015	<0.00003	<0.00003	0.0002	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.015	<0.0002
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000099	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0005	<0.00025
Naphthalene	*0.49*	*1.5*	<0.0016	0.00084	0.00016	0.00099	<0.00002	0.0026	0.00098	<0.00002	0.000022 J	<0.00022	<0.00002	<0.00016	<0.00002	<0.00002	0.000093 J	0.18	<0.0004
Nitrobenzene	*0.049*	*0.15*	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00048	<0.0004
Pentachlorophenol	*0.001*	*0.001*	<0.000604	<0.000081	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0016**	<0.0002
Phenanthrene	*0.73*	*2.2*	<0.000164	0.000061 J	0.000052 J	<0.000021	<0.000021	0.000079 J	0.00095	<0.000021	0.000027 J	0.000087 J	<0.000021	<0.000032	<0.000021	<0.000021	<0.000021	0.0051	0.00045 J
Phenol	*7.3*	*22*	<0.0000396	<0.000036	<0.000035	<0.000035	<0.000035	0.000056 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0007	<0.0002
Pyrene	*0.73*	*2.2*	0.000472 J	<0.000019	0.000035 J	0.00086	<0.000019	<0.000019	0.0015	<0.000019	<0.000019	0.000046 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00041 J	0.00156
Metals																			
Arsenic	*0.01*	*0.01*		0.000636 J	0.000972 J	**0.0386**	<0.0004	0.000553 J	**0.0173**	0.000612 J	**0.0526**	<0.00353	0.00191 J	0.00692	**0.0162**	0.00343	**0.0112**	**0.0447**	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-39B 07/15/2008	MW-39B 02/04/2009	MW-39B 01/19/2010	MW-39B 06/22/2010	MW-39B 01/18/2011	MW-39B 07/26/2011	MW-39B 02/01/2012	MW-39B 07/19/2012	MW-39B 02/05/2013	MW-39B 07/31/2013	MW-39B 01/14/2014	MW-39B 07/25/2014	MW-39B 01/23/2018	MW-39B 03/19/2018	MW-39B 05/16/2018	MW-39B 01/08/2019	MW-39B 07/11/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.00011			<0.00011					
Xylenes (total)	*10*	*10*	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.00106	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.00005 J	<0.00005	<0.000292	<0.000295	<0.00298	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000123	<0.000124	<0.00125	<0.000126	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	0.00006 J	<0.00006	<0.0000755	<0.0000762	<0.000769	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	0.00005 J	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00039	<0.00007	<0.00007	<0.00007	0.000086 J	<0.00005	0.00005 J	0.000069 J	<0.000066	<0.0000667	<0.000673	<0.0000708	0.000081 J	<0.000019	0.00008 J	<0.000019	<0.000027
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00049	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	**<0.00798**	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00005 J	<0.00005	<0.000528	<0.000533	<0.00538	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00029	0.00022	0.00014 J	0.0034	0.00039	0.00028	0.0011 J	0.0004	0.000756	0.0007	0.00115 J	<0.0012	0.00093	0.001	0.00054	0.00062	0.00065
Acenaphthylene	*1.5*	*4.4*	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	0.000053 J	0.00005 J	<0.00005	0.00011 J	0.0000676 J	<0.000577	0.0000623 J	<0.000015	<0.000015	<0.000015	<0.000015	0.000021 J
Anthracene	*7.3*	*22*	0.000619	0.00028	<0.00007	<0.00007	<0.00007	0.0004	<0.00005	0.0001 J	0.000901	0.000774	<0.00101	<0.000615	0.000053 J	<0.000014	0.0002	0.00016	0.00021
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00005 J	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	**<0.000769**	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000123	<0.000124	**<0.00125**	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00019	0.00046	0.0007	<0.0002	0.00024	0.00092	<0.00015	<0.00015	<0.000349	<0.000352	<0.00356	<0.000359	0.0018	0.00013 J	0.00011 J	<0.000037	0.000042 J
Chrysene	*0.91*	*2*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	0.000057 J	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000122	<0.00106	<0.000107	0.000082 J	<0.00002	0.000035 J	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.0004 J	0.000067 J	<0.0000755	<0.0000762	<0.000769	<0.0000823	0.0001	<0.00002	0.000054 J	<0.00002	0.000037 J
Fluoranthene	*0.98*	*2.9*	0.000575	0.0014	<0.00007	0.0019	0.00013 J	0.000079 J	0.0011	0.00036	0.000112 J	0.000418 J	<0.000673	<0.000605	0.00015	0.000075 J	0.000053 J	0.000067 J	0.000048 J
Fluorene	*0.98*	*2.9*	<0.00019	0.00025	0.00021	0.00048	0.00013 J	0.00011 J	0.00032 J	0.00019 J	<0.000066	0.000216 J	<0.000673	<0.000311	0.00011	<0.00003	0.000061 J	<0.00003	0.000044 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	0.000054 J	<0.00005	<0.00005	<0.0000943	0.000158 J	<0.000962	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00039	0.00052	0.00018 J	<0.00015	0.00076	<0.00005	0.00034 J	0.00018 J	0.000428 J	<0.0000762	<0.000769	<0.0000777	0.00082	<0.00002	<0.0013	<0.000092	<0.00041
Nitrobenzene	*0.049*	*0.15*	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000104	<0.000105	<0.00106	0.000853	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.00005 J	<0.00005	<0.000575	<0.000581	**<0.00587**	<0.000592	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00019	<0.00007	0.00025	<0.00007	0.00018 J	<0.00005	<0.00005	0.00016 J	<0.0000566	0.0000912 J	<0.000577	<0.0001	<0.000021	<0.000021	0.000056 J	0.000039 J	<0.000021
Phenol	*7.3*	*22*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.000385	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.000956	0.0013	0.00018 J	0.002	<0.00007	0.00017 J	0.0013	0.00052	0.000131 J	0.000655	<0.00106	0.000818	0.00015	0.000074 J	0.000064 J	0.000052 J	0.000072 J
Metals																			
Arsenic	*0.01*	*0.01*													**0.0108**	0.00188 J	0.00178 J	0.00365	0.00144 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-39B 01/13/2020	MW-39B 07/16/2020	MW-39B 01/13/2021	MW-39B 07/08/2021	MW-39B 01/06/2022	MW-39B 07/11/2022	MW-39B 01/10/2023	MW-39B 07/13/2023	MW-39B 01/18/2024	MW-39B 07/26/2024	MW-40B 01/30/2008	MW-40B 07/15/2008	MW-40B 02/04/2009	MW-40B 01/19/2010	MW-40B 06/22/2010	MW-40B 01/18/2011	MW-40B 07/14/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	**<0.01**
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0348**	**0.0269**	**0.026**	**0.028**	**0.026**	**0.019**	**0.016 J**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	0.001 J	<0.0005	<0.0005	<0.0005	<0.01
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.00078 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.162	0.116	0.1	0.12	0.12	0.13	0.081
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	**<0.013**
Toluene	*1*	*1*	<0.0002	0.00038 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0791	0.059	0.05	0.054	0.05	0.045	0.019 J
Vinyl chloride	*0.002*	*0.002*										<0.0002							
Xylenes (total)	*10*	*10*	<0.0003	0.0031	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.35	0.244	0.2	0.22	0.22	0.21	0.12 J
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	**<0.02**	<0.0004	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004 J	<0.071	0.0445	0.011	0.014	0.0044	0.00033 J	0.0034
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058 J	**<0.048**	<0.001	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042 J	**<0.048**	<0.001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	0.00009 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.095	<0.002	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.00021	<0.000067	<0.000019	<0.000019	0.000024 J	0.00037	<0.000019	<0.00013	<0.000019	0.00021 J	**0.522**	**4.41**	**0.58**	**0.49**	**0.41**	**0.27**	**0.24**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	**<0.048**	**<0.0025**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047 J	**<0.06**	<0.0012	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	0.0012	0.024	0.0046	0.0018	0.0054	0.0025	0.003	0.0011	0.0016	0.036 J	0.365	**3.17**	0.35	0.33	0.27	0.25	0.17
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00024 J	<0.071	<0.0015	0.0027	0.0025	0.0031	0.0025	0.0019
Anthracene	*7.3*	*22*	0.00016	0.00063	0.00024	<0.000014	0.00014	0.00013	0.00017	0.000076 J	0.000065 J	0.00099 J	<0.048	0.0141	0.016	0.0095	0.017	0.017	0.0097
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005 J	**<0.048**	<0.001	0.00028	0.0001 J	<0.00007	0.00016 J	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	**<0.048**	**<0.001**	0.0002 J	<0.00008	<0.00008	<0.00008	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	**<0.095**	**<0.002**	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000071	0.000096 J	<0.00024	<0.000097	0.000068 J	<0.000037	<0.000037	<0.000037	<0.000037 J	**<0.048**	<0.001	0.00047	0.0035	<0.0002	0.00075	<0.00053
Chrysene	*0.91*	*2*	<0.000021	0.000028 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.048	<0.001	0.00023	0.00011 J	<0.00007	0.00013 J	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.048	<0.001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	0.00019	<0.00011	<0.00002	<0.00002	<0.00002	0.00028	<0.00002	<0.00005	<0.00002	0.00014 J	**0.239**	**2.13**	**0.25**	**0.17**	**0.22**	0.092	**0.13**
Fluoranthene	*0.98*	*2.9*	0.00023	0.0013	0.00049	0.00012	0.00054	0.00027	0.00035	0.000047 J	0.00018	0.0015 J	<0.048	0.0067	0.0082	0.0067	0.0064	0.0068	0.0049
Fluorene	*0.98*	*2.9*	0.00032	0.0014	0.0007	0.00019	0.00068	0.0005	0.00058	<0.00024	0.00034	0.0072 J	0.175	0.247	0.2	0.15	0.17	0.093	0.13
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	0.000084 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025 J	<0.06	<0.0012	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Naphthalene	*0.49*	*1.5*	0.0023	<0.0011	0.000072 J	<0.00002	<0.000085	0.0027	<0.00002	<0.002	<0.00002	0.00022 J	**9.34**	**94.2**	**9.7**	**8**	**6.8**	**6.1**	**4**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024 J	**<0.095**	<0.002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079 J	**<0.048**	<0.001	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	0.00019	<0.000047	0.000039 J	<0.000021	<0.000021	0.00026	<0.000021	<0.000021	<0.000021	<0.000021 J	0.173	0.177	0.16	0.12	0.15	0.083	0.11
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035 J	<0.048	<0.001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.00022	0.00095	0.00053	0.00014	0.00071	0.00026	0.00023	0.000032 J	0.00017	0.0009 J	<0.048	0.0029	0.0043	0.0033	0.0035	0.0039	0.0021
Metals																			
Arsenic	*0.01*	*0.01*	0.00248	**0.0489**	**0.0444**	**0.0155**	**0.0415**	**0.0134**	0.00888	0.00384	**0.012**	**0.0367**							

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-40B 02/03/2012	MW-40B 07/19/2012	MW-40B 02/05/2013	MW-40B 07/31/2013	MW-40B 01/14/2014	MW-40B 07/18/2014	MW-40B 01/24/2018	MW-40B 03/19/2018	MW-40B 05/16/2018	MW-40B 01/08/2019	MW-40B 07/11/2019	MW-40B 01/13/2020	MW-40B 07/16/2020	MW-40B 01/12/2021	MW-40B 07/07/2021	MW-40B 01/07/2022	MW-40B 07/11/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	**<0.01**	<0.005	<0.00014	<0.0014	<0.0007	<0.00014	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002
Benzene	*0.005*	*0.005*	**0.013 J**	**0.013 J**	**0.0108**	**0.0115**	**0.0109**	**0.0103**	**0.0091**	**0.0066**	**0.014**	**0.0063**	**0.0088**	**0.011**	**0.01**	**0.01**	**0.0078 J**	**0.0061**	**0.0084**
Chlorobenzene	*0.1*	*0.1*	<0.01	<0.005	<0.00012	<0.0012	<0.0006	<0.00012	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.08	0.082	0.0817	0.0798	0.084	0.0825	0.049	0.039	0.08	0.041	0.082	0.089	0.086	0.11	0.066	0.042	0.08
Methylene chloride	*0.005*	*0.005*	**<0.013**	**<0.01**	<0.00015	<0.0015	<0.00075	<0.00015	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001
Toluene	*1*	*1*	0.028 J	0.022 J	0.0118	0.0173	0.0147	0.0154	0.0081	0.0049	0.019	0.0048	0.014	0.022	0.016	0.024	0.0061 J	0.0016 J	0.015
Vinyl chloride	*0.002*	*0.002*			<0.00011			<0.00011											
Xylenes (total)	*10*	*10*	0.13 J	0.14 J	0.116	0.127	0.12	0.126	0.066	0.044	0.11	0.052	0.13	0.16	0.12	0.17	0.088	0.036	0.11
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	**<0.0104**	**<0.00524**	**<0.0212**	<0.00109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.004	0.0039	<0.0292	<0.0148	<0.0596	<0.00307	<0.00004	0.00034	<0.00004	<0.00004	0.0013	0.0013	<0.00004	0.0026	0.0019	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	**<0.0123**	**<0.00619**	**<0.025**	<0.00129	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	**<0.00755**	**<0.00381**	**<0.0154**	<0.000792	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00755	<0.00381	<0.0154	<0.000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.2**	**0.28**	**0.302**	**0.309**	**0.35**	**0.263**	**0.13**	0.056	0.091	0.077	**0.18**	**0.34**	**0.27**	**0.3**	**0.22**	**0.14**	**0.099**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	**<0.0783**	**<0.0395**	**<0.16**	**<0.00822**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	**<0.0528**	<0.0267	**<0.108**	<0.00554	<0.000047	<0.000047	0.0015	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.2	0.23	0.315	0.35	0.402	0.236	0.26	0.16	0.14	0.12	0.21	0.39	0.27	0.37	0.25	0.17	0.14
Acenaphthylene	*1.5*	*4.4*	0.0022	0.0021	<0.00566	<0.00286	<0.0115	0.00335 J	<0.000015	<0.000015	0.0014	0.00083	0.0021	0.0021	0.0018	0.0034	0.0021	0.00095	0.00099
Anthracene	*7.3*	*22*	0.019	0.007	0.0183 J	0.019 J	0.0247 J	0.0142	0.016	0.0082	0.0087	0.007	0.011	0.04	0.008	0.021	0.017	0.0082	0.0079
Benzo(a)anthracene	*0.0091*	*0.02*	0.000095 J	<0.00005	<0.00755	<0.00381	**<0.0154**	<0.000792	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	0.000094 J	0.000069 J	<0.0005	0.000063 J	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	**<0.00755**	**<0.00381**	**<0.0154**	**<0.000792**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	**<0.0123**	**<0.00619**	**<0.025**	**<0.00129**	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00033	<0.00016	**<0.0349**	**<0.0176**	**<0.0712**	<0.00366	0.00038	<0.000037	0.00012 J	0.000079 J	<0.000037	<0.000037	<0.000061	<0.00037	0.00027	<0.000037	0.000077 J
Chrysene	*0.91*	*2*	0.00011 J	<0.00005	<0.00755	<0.00381	<0.0154	<0.000792	<0.000021	<0.000021	<0.000021	0.000045 J	<0.000021	0.000051 J	0.000051 J	<0.00021	0.00006	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.0104	<0.00524	<0.0212	<0.00109	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000069	<0.0002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	**0.15**	**0.17**	**0.206**	**0.242**	**0.252**	**0.178**	**0.16**	0.085	0.086	0.069	**0.13**	**0.29**	0.081	**0.24**	**0.16**	**0.1**	0.073
Fluoranthene	*0.98*	*2.9*	0.0042	0.0031	<0.0066	0.0104 J	<0.0135	0.00562	0.0081	0.0037	0.0034	0.0041	0.0059	0.017	0.0055	0.012	0.0091	0.0043	0.0037
Fluorene	*0.98*	*2.9*	0.13	0.15	0.175	0.212	0.217	0.183	0.18	0.096	0.1	0.087	0.13	0.3	0.078	0.24	0.17	0.11	0.072
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00943	<0.00476	<0.0192	<0.00099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	**4.2**	**6**	**6.78**	**7.73**	**6.07**	**4.24**	**1.5**	**0.97**	**1.8**	**1.3**	**3.6**	**7.9**	**2.3**	0.1	0	**1.5**	**2.5**
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.0104	<0.00524	<0.0212	<0.00109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	**<0.0575**	**<0.029**	**<0.117**	**<0.00604**	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.08	0.1	0.137	0.158	0.197	0.111	0.14	0.078	0.1	0.068	0.093	0.22	0.066	0.23	0.16	0.093	0.067
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.00377	<0.0019	<0.00769	<0.000396	<0.000035	<0.000035	0.00065	<0.000035	0.000053 J	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0033	0.0019	<0.0104	<0.00524	<0.0212	0.00242 J	0.0036	0.0019	0.0016	0.002	0.0024	0.0037	0.0026	0.0059	0.0037	0.0022	0.0016
Metals																			
Arsenic	*0.01*	*0.01*							**0.0679**	**0.0606**	**0.0494**	**0.085**	**0.052**	**0.0523**	**0.0442**	**0.0591**	**0.0453**	**0.0796**	**0.0499**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-40B 01/09/2023	MW-40B 07/11/2023	MW-40B 01/17/2024	MW-40B 07/26/2024	MW-41B 01/31/2008 DNAPL	MW-41B 01/23/2020 DNAPL	MW-41B 07/29/2020	MW-41B 01/28/2021	MW-41B 07/26/2021	MW-41B 01/27/2022	MW-41B 07/24/2022	MW-41B 01/31/2023	MW-41B 07/25/2023	MW-41B 03/22/2024	MW-41B 08/02/2024	MW-42B 01/30/2008	MW-42B 01/19/2010
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	**<0.01**	<0.00052	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.0002	<0.005	<0.000372	<0.00052	<0.0005
Benzene	*0.005*	*0.005*	**0.0063**	**0.0079**	**0.0083**	**<0.01**	**0.0103**	**0.012**	**0.016**	**0.01**	**0.014**	**0.038**	**0.011**	<0.0002	**0.014**	**0.016 J**	**0.0128**	0.00117 J	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.015	<0.00047	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.0003	<0.0003	<0.0075	<0.000455	<0.00047	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.05	0.081	0.095	0.097	0.0508	0.066	0.052	0.059	0.075	0.056	0.052	0.00087 J	0.082	0.087	0.0876	0.00112 J	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	**<0.05**	<0.00054	<0.001	<0.001	<0.001	<0.001	**<0.01**	**<0.01**	<0.001	<0.001	**<0.025**	<0.00173	<0.00054	<0.0005
Toluene	*1*	*1*	0.0041	0.013	0.015	0.021 J	0.0525	0.087	0.059	0.054	0.097	0.077	0.042	0.00082 J	0.072	0.096	0.102	0.00181 J	<0.0005
Vinyl chloride	*0.002*	*0.002*				**<0.01**		<0.0002								**<0.005**			
Xylenes (total)	*10*	*10*	0.039	0.1	0.13	0.22	0.127	0.16	0.12	0.14	0.18	0.14	0.12	0.0021	0.19	0.22	0.183	0.00377 J	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00021	<0.000021 J	<0.0008	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.021**	<0.00021	**<0.01**	<0.00021	**<0.0021**	<0.00008	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.0004	0.00042 J	0.104	0.043	0.021	0.0034	0.0061	0.23	<0.04	0.0054	<0.02	<0.0004	0.016 J	<0.00029	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00058	<0.000058 J	**<0.0019**	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.058**	<0.00058	**<0.029**	<0.00058	**<0.0058**	<0.00019	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00042	<0.000042 J	**<0.0019**	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.042**	<0.00042	**<0.021**	<0.00042	**<0.0042**	<0.00019	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00021	<0.000021 J	<0.0038	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021	<0.00021	<0.01	<0.00021	<0.0021	<0.00039	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.052	**0.14**	**0.1**	**<0.19 J**	**0.305**	**0.67 J**	0.092	0.058	0.089	**0.31**	**0.88**	**0.35**	**0.37**	**0.32**	**0.23**	<0.00039	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0002	<0.00002 J	<0.0019	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.02**	<0.0002	**<0.01**	<0.0002	<0.002	<0.00019	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00047	<0.000047 J	<0.0024	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.047	<0.00047	<0.024	<0.00047	<0.0047	<0.00024	<0.00007
Acenaphthene	*1.5*	*4.4*	0.067	0.17	0.15	<0.27 J	0.161	0.49	0.062	0.046	0.047	0.28	0.61	0.27	0.4	0.19	0.16	<0.00029	0.00021
Acenaphthylene	*1.5*	*4.4*	0.00074	<0.000015	<0.00015	0.00099 J	<0.0029	0.0089	0.0017	0.00086 J	0.00094 J	0.0049	<0.015	0.0048	<0.0075	<0.00015	0.0031 J	<0.00029	<0.00007
Anthracene	*7.3*	*22*	0.0043	0.0056	0.009	0.0065 J	0.0191	0.045	0.013	0.0059	0.012	0.046	0.13	0.024	0.13	0.021	0.014	<0.00019	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0005	<0.00005 J	0.0036	0.004	0.0066	0.0033	0.0032	**0.032**	**<0.05**	**0.019**	**0.063**	0.004	<0.005	<0.00019	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.0002	<0.00002 J	**<0.0019**	**0.0009**	**0.0024**	**0.0011**	**0.00089 J**	**0.0061**	**<0.02**	**0.0017**	**0.015 J**	**0.0008 J**	**<0.002**	<0.00019	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0003	<0.00003 J	**<0.0038**	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.03**	<0.0003	**<0.015**	<0.0003	**<0.003**	<0.00039	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.00037	0.00016 J	<0.0019	0.00032	0.00089 J	<0.00037	<0.00037	0.0013 J	**<0.037**	0.00075 J	**<0.018**	<0.00037	<0.0037	0.00135 J	0.00028
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.00021	<0.000021 J	0.003	0.0033	0.0052	0.003	0.0031	0.033	<0.021	0.016	0.051	0.0032	<0.0021	<0.00019	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.0002	<0.00002 J	<0.0019	<0.00002	<0.0002	0.00074 J	<0.0002	<0.0002	<0.02	<0.0002	<0.01	<0.0002	<0.002	<0.00019	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.043	0.083	0.08	0.071 J	**0.142**	**0.39**	0.033	0.039	0.051	**0.24**	**0.55**	**0.21**	**0.35**	0.094	0.092	0.000699	0.00037
Fluoranthene	*0.98*	*2.9*	0.0027	0.0036	0.0047	0.0039 J	0.027	0.052	0.031	0.019	0.022	0.41	0.35	0.17	0.38	0.03	0.02	0.000697	0.00059
Fluorene	*0.98*	*2.9*	0.048	0.086	0.08	0.072 J	0.148	0.35	0.042	0.041	0.048	0.31	0.57	0.23	0.44	<0.0003	0.056	<0.00019	0.00016 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.000025 J	<0.0024	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.025	<0.00025	<0.012	<0.00025	<0.0025	<0.00024	<0.00009
Naphthalene	*0.49*	*1.5*	**0.74**	**2.2**	**3.4**	**2.9 J**	**4.57**	**10**	**2.3**	**0.56**	0.2	**3.7**	**10**	**4.2**	**3**	**5.1**	**4.8**	0.000725	0.00035
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00024	<0.000024 J	<0.0038	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.024	<0.00024	<0.012	<0.00024	<0.0024	<0.00039	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00079	<0.000079 J	**<0.0019**	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.079**	<0.00079	**<0.04**	<0.00079	**<0.0079**	<0.00019	<0.00008
Phenanthrene	*0.73*	*2.2*	0.043	0.068	0.08	0.065 J	0.161	0.41	0.087	0.046	0.054	0.47	**1**	0.46	**1.1**	0.18	0.12	<0.00019	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.00035	<0.000035 J	0.00576	<0.000035	<0.00035	<0.00035	<0.00035	0.24	<0.035	<0.00035	<0.018	<0.00035	<0.0035	<0.00019	<0.00007
Pyrene	*0.73*	*2.2*	0.001	0.0011	0.0026	0.0016 J	0.017	0.029	0.019	0.0093	0.01	0.11	0.19	0.061	0.22	0.025	0.0071 J	0.000624	0.00035
Metals																			
Arsenic	*0.01*	*0.01*	**0.0704**	**0.0487**	**0.0462**	**0.0475**		**0.0842 J**	**0.0801**	**0.0589**	**0.0883**	**0.0379**	**0.056**	**0.0517**	**0.0579**	**0.0172**	**0.0848**		

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-42B 07/14/2011	MW-42B 02/03/2012	MW-42B 07/19/2012	MW-42B 02/05/2013	MW-42B 08/01/2013	MW-42B 01/15/2014	MW-42B 07/18/2014	MW-42B 01/24/2018	MW-42B 03/19/2018	MW-42B 05/16/2018	MW-42B 01/08/2019	MW-42B 07/11/2019	MW-42B 01/13/2020	MW-42B 07/16/2020	MW-42B 01/12/2021	MW-42B 07/07/2021	MW-42B 01/06/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.001	<0.0025	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.001	<0.0025	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.001	<0.0025	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0011	<0.0025	<0.000132	<0.00011	<0.00019	0.000208 J	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.0013	**0.0097 J**	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.001	<0.0025	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.00011			<0.00011										
Xylenes (total)	*10*	*10*	<0.0031	<0.0031	<0.0075	<0.00026	<0.00026	<0.00058	0.000349 J	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00013 J	<0.00005	<0.00005	<0.000292	<0.000295	0.000916 J	0.000577	<0.00004	<0.00004	<0.00041	<0.00004	<0.00004	<0.00004	<0.00004	0.000049 J	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000129	<0.000059	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000042	<0.000042	**0.012**	<0.000042	<0.000042	<0.000042	0.0007	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000025 J	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	0.000089 J	0.00015 J	0.000196 J	0.000141 J	0.000317 J	<0.0000693	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000069 J	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000528	<0.000554	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00024	0.0017	0.00081	0.00036 J	<0.0000762	0.000355 J	<0.0000792	<0.000027	<0.000027	0.000067 J	<0.000027	0.000068 J	0.00012	<0.000027	0.00023	<0.000027	0.00027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00036	<0.00005	<0.00005	0.000194 J	0.000122 J	0.000465 J	<0.0000495	0.000025 J	<0.000014	0.000019 J	<0.000014	0.000064 J	0.000049 J	0.000026 J	0.000041 J	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000051	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000129	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0008	<0.0001	<0.00022	<0.000349	<0.000352	<0.000349	0.000513	0.00025	0.00015 J	0.00021	0.000061 J	0.00015 J	0.00013 J	<0.00015	0.00018 J	0.00034	<0.00014
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	0.000038 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000022 J	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	0.000062 J	<0.000104	0.000108 J	<0.000104	<0.000109	0.00006 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000026	<0.00004	0.000035 J	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00014	0.00016 J	0.000066 J	0.000217 J	0.000131 J	0.000205 J	<0.0000792	<0.00002	<0.00002	0.000039 J	<0.00002	0.000038 J	0.000065 J	<0.00002	0.000078 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00024	0.00085	0.00041	0.000641	0.000294 J	0.000339 J	<0.0000693	0.00024	0.00014	0.000016 J	0.00011	0.00004 J	0.00018	<0.000053	0.00026	0.000095 J	0.00024
Fluorene	*0.98*	*2.9*	<0.00026	0.0005	0.00016 J	<0.000066	0.000134 J	0.000198 J	<0.0000693	<0.00003	<0.00003	0.000047 J	<0.00003	0.000057 J	0.000067 J	<0.00003	<0.00008	<0.00003	0.000032 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.000099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00048	<0.00063	0.0019	0.000476	0.00288 J	0.00242 J	0.000426 J	<0.00002	0.00049	<0.00061	<0.00002	<0.00043	<0.00076	<0.000031	<0.00026	<0.00021	<0.00012
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	<0.000575	<0.000604	<0.00008	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00016	0.00012 J	<0.00005	0.000356 J	0.000122 J	0.000501	<0.0000594	0.000077 J	<0.000021	0.000039 J	<0.000021	0.000034 J	0.00012	<0.000021	<0.00019	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.0000377	0.000801	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00014 J	0.00044	0.00023	0.000369 J	0.000127 J	0.000234 J	<0.000109	0.00023	0.00014	<0.000019	0.0001	0.000033 J	0.00013	0.000059 J	0.00029	0.00012	0.00022
Metals																			
Arsenic	*0.01*	*0.01*								0.00186 J	0.00108 J	0.00112 J	0.00216	0.0022	0.00133 J	0.00127 J	<0.0029	<0.00178	0.00295

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-42B 07/11/2022	MW-42B 01/09/2023	MW-42B 07/11/2023	MW-42B 01/17/2024	MW-42B 07/29/2024	MW-44A 01/30/2008	MW-44A 07/14/2008	MW-44A 02/03/2009	MW-44A 01/13/2010	MW-44A 06/30/2010	MW-44A 01/26/2011	MW-44A 07/20/2011	MW-44A 02/15/2012	MW-44A 07/25/2012	MW-44A 02/12/2013	MW-44A 08/05/2013	MW-44A 01/17/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.00751**	**0.00635**	0.003 J	<0.0005	0.0026 J	<0.0005	0.002 J	0.0042 J	0.0044 J	0.00206	**0.00849**	**0.00727**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00363 J	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	0.000624 J	0.00172	0.00067
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.002 J	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	0.000252 J	<0.000705	0.000418 J
Vinyl chloride	*0.002*	*0.002*												<0.001	<0.001	<0.0005		<0.00011	<0.00018
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0186	0.006 J	0.0013 J	<0.001	0.0026 J	<0.001	<0.0031	0.0052 J	0.0033 J	0.00469	0.0207	0.00805
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00105	<0.0011	<0.000106
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	<0.00032	<0.00008	<0.00008	<0.00008	0.00081	<0.00005	<0.00005	<0.00005	<0.00295	<0.0031	<0.000298
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00124	<0.0013	<0.000125
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.000762	<0.0008	<0.0000769
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769
2-Methylnaphthalene	*0.098*	*0.29*	0.000053 J	<0.000019	<0.000019	<0.000019	<0.000019	0.0244	0.00779	0.00097	0.00012 J	0.004 J	<0.00007	0.0023	0.0048	0.0095 J	<0.000667	**0.109**	0.0106
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0079**	**<0.0083**	<0.000798
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00533	<0.0056	<0.000538
Acenaphthene	*1.5*	*4.4*	0.00016	<0.000064	<0.000027	0.00099	0.00055	0.127	0.202	0.12	0.13	0.2	0.023	0.23	0.21	0.22	0.07	0.546	0.394
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003	<0.00032	0.0012	0.00079	0.00096 J	0.0014	0.0013	0.001	0.0013	0.00276 J	<0.0006	<0.0000577
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000016 J	<0.000014	0.00195	0.00393	0.0046	0.0077	0.0067 J	0.00055	0.0058	0.0068	0.004	<0.000476	0.017	0.017
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.000762**	**<0.0008**	<0.0000769
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00042	<0.00009	<0.00009	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00124**	**<0.0013**	<0.000125
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000084 J	<0.000037	0.000071 J	<0.000037	<0.000037	0.00097 J	<0.00021	0.00043	<0.00031	<0.00028	0.00048	<0.00075	<0.00011	<0.0001	<0.00352	<0.0037	<0.000356
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000072 J	<0.00002	<0.00002	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00105	<0.0011	<0.000106
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0642	**0.125**	0.054	0.0087	0.0043 J	0.00072	0.0014	0.001	0.0031	<0.000762	**0.135**	**0.107**
Fluoranthene	*0.98*	*2.9*	0.00009 J	<0.00011	<0.00001	0.00018	0.00007 J	0.00269	0.00367	0.0032	0.0056	0.006 J	0.0014	0.0095	0.0094	0.0065	0.00257 J	0.0137	0.0154
Fluorene	*0.98*	*2.9*	0.000051 J	<0.00003	<0.00003	0.000097 J	0.000041 J	0.045	0.0865	0.056	0.069	0.097	0.00027	0.094	0.11	0.091 J	0.00495	0.172	0.178
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00065	<0.00005	<0.000952	<0.001	<0.0000962
Naphthalene	*0.49*	*1.5*	0.00044	<0.00002	0.00025	0.000037 J	0.000054 J	**0.816**	0.287	0.021	<0.0011	0.16	0.00035	0.042	0.32	0.39	<0.000941	**1.72**	0.235 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00105	<0.0011	<0.000106
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00581**	**<0.0061**	<0.000587
Phenanthrene	*0.73*	*2.2*	0.00011	<0.000021	<0.000021	<0.000021	<0.000021	0.0161	0.0184	0.02	0.0055	0.0025 J	<0.00007	0.0047	0.0073	0.0064	<0.000571	0.0416	0.0438
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000062 J	<0.000381	<0.0004	<0.0000385
Pyrene	*0.73*	*2.2*	0.000086 J	0.000091 J	<0.000019	0.00018	0.000062 J	0.00159	0.00156	0.0016	0.0032	0.003 J	0.001	0.0046	0.0054	0.0038	0.00139 J	0.00732	0.0083
Metals																			
Arsenic	*0.01*	*0.01*	0.00137 J	0.0046	0.00128 J	0.00299	0.00194 J												

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-44A 08/28/2014	MW-44A 01/31/2018	MW-44A 03/26/2018	MW-44A 06/01/2018	MW-44A 01/22/2019	MW-44A 07/17/2019	MW-44A 01/09/2020	MW-44A 07/22/2020	MW-44A 01/26/2021	MW-44A 07/22/2021	MW-44A 01/25/2022	MW-44A 07/25/2022	MW-44A 02/02/2023	MW-44A 07/24/2023	MW-44A 02/07/2024	MW-44A 08/01/2024	MW-44C 01/29/2008 DNAPL
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052
Benzene	*0.005*	*0.005*	0.0042	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.00025
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047
Ethylbenzene	*0.7*	*0.7*	0.000344 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	0.0204
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054
Toluene	*1*	*1*	0.000329 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	0.0117
Vinyl chloride	*0.002*	*0.002*	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002									
Xylenes (total)	*10*	*10*	0.00561	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	0.0487
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00034 J	0.00014 J	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	<0.000021	<0.0002
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000304	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00042	<0.00004	<0.00004	<0.00013	<0.00004	<0.0004	<0.00004	<0.0004	<0.00004	<0.00004	0.00219 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000127	0.00017 J	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00039
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000784	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	0.00047	<0.00042	<0.000042	<0.000042	<0.00039
2-Chloronaphthalene	*2*	*5.8*	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00078
2-Methylnaphthalene	*0.098*	*0.29*	0.00902	<0.000093	<0.000019	<0.000019	<0.000019	<0.000019	<0.00035	<0.000019	<0.000019	0.00057	0.00003 J	<0.00019	<0.000019	<0.00019	<0.000019	0.000047 J	0.00551
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00011 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00039
4-Nitrophenol	*0.049*	*0.15*	<0.000549	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00049
Acenaphthene	*1.5*	*4.4*	0.197	0.062	0.064	0.09	0.037	0.056	0.064	0.075 J	0.031	0.023	0.07	<0.058	<0.000027	0.045	<0.000027	0.03	0.0531
Acenaphthylene	*1.5*	*4.4*	0.0014	0.00078	0.0006	<0.000015	0.00036	0.00028	0.00097	<0.000015	0.00017	0.00018	0.0003	<0.00015	<0.000015	<0.00015	<0.000015	0.00014	0.00083
Anthracene	*7.3*	*22*	0.00868	0.00066	0.0024	0.0022	0.00044	0.00089	0.00027	0.00022 J	0.00015	0.00019	0.00025	<0.00077	<0.000014	<0.00014	<0.000014	0.00032	0.0131
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000784	<0.00005	<0.000051	<0.00005	<0.00005	0.000085 J	0.000054 J	<0.00005	<0.00005	<0.00005	0.000057 J	<0.0005	<0.00005	<0.0005	<0.00005	<0.00005	0.00327
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002	<0.00002	**<0.00039**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	0.00014 J	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00078
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000363	<0.0001	<0.000038	0.0001 J	<0.000037	<0.00025	<0.000037	<0.000037	<0.000068	<0.000037	<0.000037	<0.00037	<0.000037	<0.00037	0.000049 J	<0.000037	0.00235 J
Chrysene	*0.91*	*2*	<0.0000784	<0.000021	<0.000021	<0.000021	0.000026 J	0.000052 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000041 J	<0.00021	<0.000021	<0.00021	<0.000021	<0.000021	0.00278
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000108	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00021	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00039
Dibenzofuran	*0.098*	*0.29*	0.0159	0.00019	0.00029	<0.00002	<0.00002	<0.00002	<0.00033	<0.00002	<0.00002	0.00015	<0.00002	<0.0013	<0.00002	<0.0002	<0.00002	0.00024	0.046
Fluoranthene	*0.98*	*2.9*	0.00749	0.0067	0.0095	0.012	0.0058	0.0091	0.0059	0.0025 J	0.0022	0.0028	0.0038	<0.0053	<0.00001	0.0037	0.00022	0.001	0.0264
Fluorene	*0.98*	*2.9*	0.0987	0.024	0.03	0.039	0.0097	0.014	0.0078	0.02 J	0.0075	0.0069	0.015	<0.013	<0.00003	0.011	<0.00003	0.0088	0.0346
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000098	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00049
Naphthalene	*0.49*	*1.5*	0.0163	<0.00028	0.00036	0.00038	0.00011	<0.00019	<0.003	<0.00016	<0.000091	0.011	<0.00023	<0.00052	<0.00002	<0.0002	<0.00002	0.00032	<0.00078
Nitrobenzene	*0.049*	*0.15*	0.0012	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00078
Pentachlorophenol	*0.001*	*0.001*	<0.000598	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00039
Phenanthrene	*0.73*	*2.2*	0.0217	0.00012	0.00018	0.0002	<0.000021	0.00012	<0.00022	<0.000021	<0.000021	0.0001	<0.000021	<0.00082	<0.000021	<0.00021	<0.000021	0.00054	0.0668
Phenol	*7.3*	*22*	<0.0000392	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.00013	<0.000035	0.00006 J	<0.000035	<0.000035	<0.00035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00039
Pyrene	*0.73*	*2.2*	0.0041	0.0037	0.0069	0.0073	0.0033	0.0057	0.0045	0.0022 J	0.0016	0.0025	0.0034	<0.0057	<0.000019	0.0053	0.00014	0.0014	0.0159
Metals																			
Arsenic	*0.01*	*0.01*		**0.0275**	**0.0169**	**0.0165**	**0.0101**	**0.0303**	0.00966	**0.0321**	**0.0151**	**0.0164**	0.00916	**0.0148**	0.000967 J	**0.0102**	**0.052**	**0.0206**	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-44C 07/20/2011 DNAPL	MW-44C 07/18/2012 DNAPL	MW-44C 02/06/2013 DNAPL	MW-44C 01/15/2020	MW-44C 07/28/2020	MW-44C 08/18/2020	MW-44C 01/25/2021	MW-44C 07/20/2021	MW-44C 01/10/2022	MW-44C 07/21/2022	MW-44C 01/09/2023	MW-44C 07/17/2023	MW-44C 02/08/2024	MW-44C 08/01/2024	MW-45C 01/29/2008 DNAPL	MW-45C 01/20/2020	MW-45C 07/22/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.005	<0.0014	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.00052	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.005	0.000964 J	<0.0002	<0.0002		0.00025 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	**0.0448**	0.0005 J	0.0026
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.005	0.00293 J	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.00047	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	0.32	0.233	<0.0003	0.024		0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	0.111	0.00044 J	0.011
Methylene chloride	*0.005*	*0.005*	<0.0013	**<0.01**	<0.0015	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.00054	<0.001	<0.001
Toluene	*1*	*1*	<0.001	0.16	0.0895	<0.0002	0.0099		0.00045 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	0.112	<0.0002	0.0094
Vinyl chloride	*0.002*	*0.002*																<0.0002	
Xylenes (total)	*10*	*10*	<0.0031	0.84	0.688	<0.0003	0.055		0.0034	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	0.298	0.0051	0.029
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00075	**<0.529**	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000042	**<0.002**	<0.000085	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00075	**<1.49**	0.00011 J		<0.00004	<0.00004	<0.00004	0.00023	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	0.0104	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00075	**<0.625**	<0.000058		<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00012	**<0.004**	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0009	**<0.385**	<0.000042		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000084	**<0.004**	**0.0022 J**	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00075	<0.385	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000042	<0.008	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	**62**	**1.15 J**	0.00012		<0.000019	0.00009 J	<0.000019	0.00036	<0.000019	<0.000019	0.000023 J	0.00028	0.00041	**1.01**	<0.00013	0.044 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.0012	**<3.99**	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	**<0.004**	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00075	**<2.69**	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000094	<0.005	0.000067 J	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00012 J	**31**	0.632 J	0.00045		<0.000027	0.0012	<0.000027	0.00014	<0.000027	<0.000027	0.00036	0.0014	0.00052	0.472	0.000084 J	0.035 J
Acenaphthylene	*1.5*	*4.4*	0.000097 J	0.29	<0.288	0.00065		<0.000015	0.000023 J	<0.000015	<0.000015	<0.000015	<0.000015	0.000021 J	<0.000015	0.000039 J	0.0085	0.000037 J	<0.000015
Anthracene	*7.3*	*22*	0.00014 J	**19**	<0.24	0.0086		0.00015	0.00043	<0.000014	0.000035 J	<0.000014	<0.00026	0.000099 J	0.003	0.00017 J	0.18	0.0009	0.025 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.00017 J	**3.5**	**<0.385**	0.0018		0.00034	0.00018	<0.00005	<0.00005	<0.00005	<0.00005	0.000066 J	0.00025	<0.0001	**0.0416**	0.00039	0.0048 J
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00022**	**0.87**	**<0.385**	**0.00065**		**0.00029**	0.0001	<0.00002	<0.00002	<0.00002	0.00019	0.000066 J	0.00012	<0.00004	**<0.004**	**0.00042**	**0.0016 J**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00075	**<0.625**	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00006	**<0.008**	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00087	**0.013**	**<1.78**	0.0012		0.0002	<0.00013	<0.000037	0.000078 J	<0.000037	0.00014 J	0.000043 J	0.000056 J	<0.000074	<0.004	0.000067 J	<0.000037
Chrysene	*0.91*	*2*	0.00032	**3.3**	<0.385	0.0022		0.0003	0.00021	<0.000021	<0.000021	<0.000021	0.00023	0.000087 J	0.00027	<0.000042	0.0347	0.00062	0.0041 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00075	<0.529	0.0016		<0.00002	<0.000031	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	<0.004	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00005	**38**	**0.453 J**	0.00034		<0.00002	0.00063	<0.00002	0.00013	<0.00002	<0.00002	0.00013	0.0016	0.00066	**0.488**	0.000075 J	0.033 J
Fluoranthene	*0.98*	*2.9*	0.00016 J	**28**	<0.337	0.0095		0.00077	0.0022	<0.00001	0.000091 J	<0.00001	0.00052	0.00028	0.0019	0.00014 J	0.384	0.00062	0.042 J
Fluorene	*0.98*	*2.9*	<0.00005	**26**	<0.337	0.00067		<0.00003	0.00087	<0.00003	0.000087 J	<0.00003	<0.00003	0.00015	0.002	0.00036	0.357	0.00023	0.031 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00075	**<0.481**	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00005	<0.005	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00016	**230**	**18 J**	0.000097 J		<0.00002	<0.00015	0.000099 J	0.0034	0.00005 J	<0.00002	0.0001	0.000086 J	0.0034	**6.05**	<0.00061	0.27 J
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00075	**<0.529**	<0.000024		<0.000024	0.000059 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000048	<0.008	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00075	**<2.93**	<0.000079		<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00016	**<0.004**	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000081 J	**88**	0.498 J	0.0077		0.0003	0.00069	<0.000021	0.00014	0.00005 J	<0.00018	0.00038	0.0045	0.00067	**0.903**	<0.00027	0.14 J
Phenol	*7.3*	*22*	<0.00005	<0.00075	<0.192	<0.000035		<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.004	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00013 J	**19**	<0.529	0.006		0.00057	0.0014	<0.000019	0.000065 J	<0.000019	0.00042	0.00023	0.0013	0.000097 J	0.234	0.00068	0.026 J
Metals																			
Arsenic	*0.01*	*0.01*				0.00314	0.00752		**0.0196**	**0.159**	**0.0151**	**0.05**	**0.0399**	0.00711	**0.0115**	0.00943		0.00073 J	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-45C 01/26/2021	MW-45C 07/23/2021	MW-45C 01/25/2022	MW-45C 07/25/2022	MW-45C 02/02/2023	MW-45C 07/24/2023	MW-45C 02/08/2024	MW-45C 08/01/2024	MW-46C 01/30/2008 DNAPL	MW-46C 01/15/2020	MW-46C 07/22/2020	MW-46C 01/25/2021	MW-46C 07/14/2021	MW-46C 01/10/2022	MW-46C 07/20/2022	MW-46C 01/09/2023	MW-46C 07/17/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.002	<0.005	<0.0002	<0.005	<0.000372	<0.00052	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.0016	0.0023	0.00079 J	**0.17**	<0.005	**0.02**	**0.0056 J**	<0.00046	**0.0222**	**0.028**	0.0037	0.0018	<0.0002	0.0035 J	**0.013**	0.00044 J	0.0037
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.003	<0.0075	<0.0003	<0.0075	<0.000455	<0.00047	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0081	0.011	0.003	0.53	0.055	0.18	0.083	<0.000385	0.0249	0.051	0.018	0.007	0.0013	0.0059	0.017	0.00091 J	0.0097
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	**<0.01**	**<0.025**	<0.001	**<0.025**	<0.00173	<0.00054	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0073	0.0082	0.0022	0.38	0.025	0.1	0.029	<0.000475	0.0167	0.0047	<0.0014	0.00078 J	<0.0002	<0.001	0.0023	<0.0002	0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.021	0.029	0.0076	1.4	0.14	0.51	0.19	<0.00124	0.0377	0.11	0.047	0.018	0.0029	0.014	0.034	0.0023	0.021
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	**<1**	**<0.0021**	<0.00021	<0.00021	**<0.0021**	<0.0004	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00042	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00088	0.0048	**<2**	<0.004	0.004	0.0072	0.012 J	<0.0014	0.00016 J	<0.00004	0.00023	<0.0004	0.016	0.02	<0.0008	0.0046
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	**<2.9**	**<0.0058**	<0.00058	<0.00058	**<0.0058**	<0.00096	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.0012	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	**<2.1**	**<0.0042**	<0.00042	<0.00042	**<0.0042**	<0.00096	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00084	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<1	<0.0021	<0.00021	<0.00021	<0.0021	<0.0019	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00042	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000046	<0.000019	0.043	**4000**	**0.29**	0.078	**0.31**	0.052	0.0825	**0.2**	0.059 J	0.0001	0.0096	0.053	0.071	<0.00038	0.00088
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	**<1**	<0.002	<0.0002	<0.0002	<0.002	<0.00096	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0004	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	**<2.4**	<0.0047	<0.00047	<0.00047	<0.0047	<0.0012	<0.000047	<0.000047	0.00021 J	<0.00047	<0.00047	<0.00047	<0.00094	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00088	0.0014	0.026	**<2500**	0.12	0.028	0.26	0.036	0.0635	0.16	0.054 J	0.022	0.04	0.055	0.081	<0.00054	0.027
Acenaphthylene	*1.5*	*4.4*	0.00012	0.000065 J	0.00047	**30**	0.003 J	<0.00015	0.0036	<0.0015	<0.0014	0.0016	<0.000015	0.00033	0.00064 J	0.00087 J	0.00089 J	<0.0003	<0.000015
Anthracene	*7.3*	*22*	0.00098	0.00062	0.0051	**1200**	0.027	0.0066	0.31	0.012	0.0222	0.073	0.026 J	0.0032	0.025	0.081	0.025	0.074	0.029
Benzo(a)anthracene	*0.0091*	*0.02*	0.00096	0.00046	0.003	**250**	**0.012**	0.0033	**0.066**	<0.005	0.00597	0.0071	0.0051 J	0.0014	0.006	0.0036	0.0049	**0.038**	0.0088
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00056**	**0.00024**	**0.00096**	**69**	**0.0085 J**	**0.0016**	**0.021**	**<0.002**	**0.00215**	**0.0021**	**0.0019 J**	**0.00066**	**0.002**	**0.0013**	**0.0017**	**0.024**	**0.0039**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	**<1.5**	**<0.003**	<0.0003	<0.0003	**<0.003**	**<0.0019**	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0006	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000091	0.000052 J	<0.000037	**<1.8**	<0.0037	<0.00037	<0.00037	<0.0037	<0.00096	0.0011	0.00032 J	<0.00014	0.00039 J	0.002	<0.00037	<0.00074	<0.000037
Chrysene	*0.91*	*2*	0.001	0.00047	0.0028	**210**	0.022	0.0033	0.064	0.0034 J	0.00521	0.0068	0.004 J	0.0014	0.0067	0.0032	0.0052	0.038	0.0081
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<1	<0.002	<0.0002	<0.0002	<0.002	<0.00096	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0004	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00008	0.00058	0.021	**<2300**	**0.11**	0.032	**0.26**	0.033	0.0636	**0.16**	0.05 J	0.0063	0.028	0.052	0.065	0.0055	0.02
Fluoranthene	*0.98*	*2.9*	0.0031	0.0019	0.014	**<2100**	0.038	0.011	0.5	0.021	0.0426	0.084	0.049 J	0.0085	0.04	0.022	0.036	0.16	0.063
Fluorene	*0.98*	*2.9*	0.00024	0.0012	0.014	**<1800**	0.061	0.019	0.25	0.022	0.048	0.12	0.042 J	0.0094	0.025	0.047	0.055	0.014	0.03
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	**<1.2**	<0.0025	<0.00025	<0.00025	<0.0025	<0.0012	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0005	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00016	<0.00014	**0.87**	**15000**	**2.2**	**1**	**0.55**	0.11	**1.1**	**1.8**	0.29 J	<0.00018	0.0049	0.18	0.35	<0.0004	0.000099 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	**<1.2**	<0.0024	<0.00024	<0.00024	<0.0024	<0.0019	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00048	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	**<4**	**<0.0079**	<0.00079	<0.00079	**<0.0079**	<0.00096	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0016**	<0.000079
Phenanthrene	*0.73*	*2.2*	0.0011	0.00077	0.027	**6400**	0.076	0.032	**0.98**	0.048	0.119	0.24	0.14 J	0.0078	0.047	0.099	0.12	0.072	0.093
Phenol	*7.3*	*22*	0.000049 J	<0.000035	0.001	<1.8	<0.0035	<0.00035	<0.00035	<0.0035	0.0133	<0.000035	<0.000035	0.000038 J	<0.00035	<0.00035	<0.00035	<0.0007	<0.000035
Pyrene	*0.73*	*2.2*	0.002	0.0012	0.0071	**1500**	0.029	0.0093	0.33	0.015	0.0252	0.053	0.028 J	0.0048	0.027	0.014	0.022	0.11	0.037
Metals																			
Arsenic	*0.01*	*0.01*	0.000664 J	0.00109 J	**0.2**	**0.0172**	**0.0724**	**0.0874**	**0.0411**	**0.0507**		0.00272	0.000899 J	0.000951 J	<0.004	0.0011 J	0.00145 J	0.00204	0.000548 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-46C 01/25/2024
Volatile Organic Compounds			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002
Benzene	*0.005*	*0.005*	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001
Toluene	*1*	*1*	<0.0002
Vinyl chloride	*0.002*	*0.002*	
Xylenes (total)	*10*	*10*	<0.0003
Semivolatile Organic Compounds			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000057 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000093 J
Acenaphthylene	*1.5*	*4.4*	0.00013
Anthracene	*7.3*	*22*	0.0011
Benzo(a)anthracene	*0.0091*	*0.02*	0.0012
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0011**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000071 J
Chrysene	*0.91*	*2*	0.0012
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.00008 J
Fluoranthene	*0.98*	*2.9*	0.0035
Fluorene	*0.98*	*2.9*	0.00014
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025
Naphthalene	*0.49*	*1.5*	0.00012
Nitrobenzene	*0.049*	*0.15*	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00049
Phenol	*7.3*	*22*	<0.000035
Pyrene	*0.73*	*2.2*	0.0028
Metals			
Arsenic	*0.01*	*0.01*	0.000688 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-46C 08/01/2024	MW-47A 03/20/2020	MW-47A 06/01/2020	MW-47A 07/21/2020	MW-47A 01/21/2021	MW-47A 07/14/2021	MW-47A 01/11/2022	MW-47A 07/24/2022	MW-47A 01/25/2023	MW-47A 07/17/2023	MW-47A 01/24/2024	MW-47A 07/31/2024	MW-47C 07/14/2008	MW-47C 02/04/2009	MW-47C 01/20/2010	MW-47C 06/24/2010	MW-47C 01/19/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.000372	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.00046	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.000455	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.000925 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.00173	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	*1*	*1*	0.000776 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.00154 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00302	<0.001	<0.001	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.0002 J	0.000059 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.00032	<0.00008	<0.00008	0.00011 J	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.00071	<0.000019	<0.000019	<0.000019	0.000023 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.00042	<0.00007	<0.00007	<0.00007	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.0017	<0.000027	<0.000027	<0.000027	0.0004	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	<0.000027	<0.00032	<0.00009	<0.00009	<0.00009	<0.00009
Acenaphthylene	*1.5*	*4.4*	0.00013	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007
Anthracene	*7.3*	*22*	0.0049	<0.000014	<0.000014	<0.000014	0.000035 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	0.000064 J	<0.000014	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	0.0024	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.001**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	**<0.00021**	<0.00008	0.000099 J	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00011 J	0.000086 J	0.00025	<0.00021	0.00012 J	0.000088 J	<0.000037	<0.000037	<0.00037	0.00019 J	<0.000037	<0.00021	0.0036	<0.00065	<0.00021	<0.0002
Chrysene	*0.91*	*2*	0.0022	<0.000021	<0.000021	<0.000021	0.000024	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000076 J	<0.00002	0.000046 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.0017	<0.00002	<0.00002	<0.00002	<0.00006	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008
Fluoranthene	*0.98*	*2.9*	0.016	<0.00001	<0.00001	0.000067 J	0.00048	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Fluorene	*0.98*	*2.9*	0.0021	<0.00003	<0.00003	<0.00003	0.0002	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009
Naphthalene	*0.49*	*1.5*	0.00063	<0.00002	<0.00002	0.00025	<0.00015	<0.000069	<0.000058	<0.000065	<0.00002	<0.0002	0.000042 J	<0.00002	<0.00042	0.00019 J	<0.0001	0.00046	0.00021
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00021	<0.00008	0.0004	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.0091	<0.000021	<0.000021	0.00011	<0.000063	<0.000021	<0.000021	<0.000029	<0.000021	<0.00021	0.000045 J	<0.000021	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.000093 J	<0.000098	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	0.0072	<0.000019	<0.000019	0.000042 J	0.00036	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	0.000566 J	0.000699 J	<0.0004	<0.0004	<0.000445	0.00256	0.00114 J	0.00165 J	0.00109 J	0.00283	0.00114 J					

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-47C 07/21/2011	MW-47C 02/07/2012	MW-47C 07/27/2012	MW-47C 02/07/2013	MW-47C 08/06/2013	MW-47C 01/17/2014	MW-47C 07/30/2014	MW-47C 01/23/2019	MW-47C 07/17/2019	MW-47C 01/16/2020	MW-47C 07/16/2020	MW-47C 01/15/2021	MW-47C 07/14/2021	MW-47C 01/11/2022	MW-47C 07/24/2022	MW-47C 01/25/2023	MW-47C 07/17/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	R	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	0.00042	R	<0.00031	R	<0.000292	0.000095 J	<0.00004	0.0002	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	R	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	R	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	R	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	0.0044	<0.00005	0.000098 J	<0.00007	R	<0.000066	<0.000019	<0.000019	<0.0001	<0.000019	<0.000019	<0.000019	<0.000019	0.00047	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	R	<0.00083	R	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	R	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	0.00017 J	0.000058 J	<0.0000762	<0.00008	R	<0.0000755	<0.000027	<0.000027	<0.000057	<0.000027	<0.000027	<0.000027	0.0001	0.00041	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000571	<0.00006	R	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00002 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	0.000074 J	<0.00005	0.000107 J	<0.00005	R	<0.0000472	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000046 J	0.00032	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	0.000137 J	<0.00008	R	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000093 J	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	**0.000306 J**	<0.00008	R	<0.0000755	<0.00002	<0.00002	0.00004 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	R	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0001 J	**0.011**	<0.0001	0.000594	<0.00037	R	<0.000349	<0.000056	<0.00027	0.00079	<0.0002	<0.000037	0.000052 J	0.00026	<0.000037	0.000052 J	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	0.000127 J	<0.00008	R	<0.0000755	<0.000021	<0.000021	0.00006 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000069 J	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	0.00015 J	<0.00005	<0.000105	<0.00011	R	<0.000104	<0.00002	<0.00002	0.0014	0.00089	<0.00033	<0.00002	0.000038 J	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.00005	<0.00005	0.000104 J	<0.00008	R	<0.0000755	0.000034 J	<0.00002	<0.000049	<0.00002	<0.00002	<0.00002	0.000057 J	0.00052	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.00005	<0.00005	0.000289 J	0.000186 J	0.0000718 J	<0.000066	0.000028 J	<0.00001	<0.00011	<0.000037	<0.00001	<0.00001	0.00013	0.0005	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	0.00025	<0.00005	0.000116 J	<0.00007	R	<0.000066	<0.00003	<0.00003	<0.000042	<0.00003	<0.00003	<0.00003	0.000083 J	0.0005	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0001	R	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00005	0.0041	0.00046	<0.000401	<0.00008	0.000297 J	<0.0000755	0.00083	<0.00002	<0.00056	<0.00002	<0.00002	<0.00002	<0.00002	0.0011	0.000044 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	R	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	R	<0.00061	R	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	0.0003	<0.00005	0.000406 J	<0.00006	0.000185 J	<0.0000566	0.000052 J	<0.000021	<0.000088	<0.000022	<0.000021	<0.000021	0.00012	0.0016	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	0.00044	0.00056	R	<0.00004	R	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	0.00015 J	<0.00005	0.000388 J	0.000131 J	R	<0.000104	0.000021 J	<0.000019	<0.0001	0.000022 J	<0.000019	<0.000019	0.000079 J	0.00038	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*								<0.0004	0.00044 J	0.00234	0.00142 J	0.00121 J	<0.00146	0.00185 J	0.00069 J	0.00622	**0.0114**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-47C 01/24/2024	MW-47C 09/05/2024	MW-48C 01/29/2008	MW-48C 01/29/2008	MW-48C 07/14/2008	MW-48C 02/04/2009	MW-48C 01/21/2010	MW-48C 06/24/2010	MW-48C 07/15/2010	MW-48C 01/19/2011	MW-48C 07/18/2011	MW-48C 02/06/2012	MW-48C 07/24/2012	MW-48C 01/31/2013	MW-48C 08/01/2013	MW-48C 01/16/2014	MW-48C 07/16/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.00052	<0.00052	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.00025	<0.00025	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.00047	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.00025	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.00041	<0.00041	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015
Vinyl chloride	*0.002*	*0.002*																<0.00018	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.00127	<0.00127	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00008	<0.00008	<0.00009	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000104
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00029	<0.00029	<0.00033	<0.00008	<0.00008	0.0073	<0.00008	<0.00008	<0.00005	<0.00005	0.00014 J	<0.000292	<0.000295	<0.000292	<0.000292
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00019	<0.00019	<0.00022	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000123
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000755
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00038	<0.00038	<0.00044	<0.00012	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000755
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.00038	<0.00038	<0.00044	<0.00007	<0.00007	**0.18**	<0.00007	<0.00007	<0.00005	<0.00005	0.0013	<0.000066	<0.0000667	<0.000066	<0.000066
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00019	<0.00019	<0.00022	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	<0.000783
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00024	<0.00024	<0.00028	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000528	<0.000528
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.00029	<0.00029	<0.00033	<0.00009	<0.00009	0.073	<0.00009	<0.00009	<0.00005	<0.00005	0.0011	<0.0000755	<0.0000762	<0.0000755	<0.0000755
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.00029	<0.00029	<0.00033	<0.00006	<0.00007	0.0014	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000566	<0.0000566
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000584	0.000589	<0.00022	0.00012 J	<0.00007	0.007	<0.00007	<0.00007	<0.00005	<0.00005	0.00077	<0.0000472	<0.0000476	<0.0000472	<0.0000472
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	0.000066 J	<0.0000755	<0.0000762	<0.0000755	<0.0000755
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00019	<0.00019	**<0.00022**	<0.00008	<0.00008	**<0.0004**	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000755
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00038	<0.00038	<0.00044	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000123
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	0.00045 J	<0.00019	0.00028 J	0.00034	<0.0018	<0.001	0.0013	0.001	<0.00043	<0.0001	<0.00024	<0.000349	<0.000352	<0.000349	<0.000349
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	0.000073 J	<0.0000755	<0.0000762	<0.0000755	<0.0000755
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	0.000053 J	<0.000104	<0.000105	<0.000104	<0.000104
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00031 J	<0.00029	<0.00033	0.00025	<0.00008	0.065	<0.00008	<0.00008	<0.00005	<0.00005	0.00096	<0.0000755	<0.0000762	<0.0000755	<0.0000755
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.00047 J	0.000687	0.00033 J	<0.00007	0.00013 J	0.0021	0.00019 J	0.00019 J	<0.00013	<0.00005	0.00095	<0.000066	0.000134 J	0.000153 J	<0.000066
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	0.032	<0.00007	<0.00007	<0.00005	<0.00005	0.0011	<0.000066	<0.0000667	<0.000066	<0.000066
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00024	<0.00024	<0.00028	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.0000943
Naphthalene	*0.49*	*1.5*	0.00021	<0.00002	0.00119	0.00062	<0.00044	0.00052	0.0002 J	**5**	<0.0001	<0.0001	<0.00005	<0.00005	0.0071	<0.000495	<0.000158	<0.0000755	<0.0000755
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00038	<0.00038	<0.00044	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000104
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00019	<0.00019	<0.00022	<0.00008	<0.00008	**0.019**	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	<0.000575	<0.000575
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.00046 J	0.00043 J	<0.00022	0.00032	<0.00007	0.03	<0.00007	<0.00007	<0.00005	<0.00005	0.0034	<0.0000566	<0.0000571	<0.0000566	<0.0000566
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	0.024	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.0000377	<0.0000377
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00039 J	0.000528	<0.00022	<0.00007	0.0001 J	0.001	0.00015 J	0.00012 J	<0.0001	<0.00005	0.00052	<0.000104	<0.000105	<0.000104	<0.000104
Metals																			
Arsenic	*0.01*	*0.01*	0.00283	0.00297															

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-48C 01/28/2018	MW-48C 03/20/2018	MW-48C 05/24/2018	MW-48C 01/10/2019	MW-48C 07/17/2019	MW-48C 01/16/2020	MW-48C 07/16/2020	MW-48C 01/21/2021	MW-48C 07/13/2021	MW-48C 01/24/2022	MW-48C 07/18/2022	MW-48C 01/31/2023	MW-48C 07/24/2023	MW-48C 07/24/2023 Duplicate	MW-48C 02/07/2024	MW-48C 07/31/2024	MW-49A 01/31/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.00052
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	**0.0108**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	0.00865
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.022	0.0238
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.00054
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.00805
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.013 J	0.0352
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000042	<0.000021	<0.000021	**<0.004**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.001	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00004	0.000057 J	0.025
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00012	<0.000058	<0.000058	**<0.0095**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	0.00031	0.00012 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000084	<0.000042	<0.000042	**<0.0095**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000042	<0.000021	<0.000021	<0.019
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	0.00038	<0.000019	<0.000076	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000038	<0.000019	<0.000019	0.0693
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002	**<0.0095**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000094	<0.000047	<0.000047	<0.012
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	0.000098 J	<0.000027	<0.000073	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000054	<0.000027	<0.000027	0.215
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00003	<0.000015	<0.000015	<0.014
Anthracene	*7.3*	*22*	0.000025 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000017 J	<0.000014	<0.000014	<0.000028	0.000055 J	0.000017 J	<0.0095
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.000057 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.00005	<0.00005	**<0.0095**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000021 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	0.000067 J	<0.00002	**<0.0095**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00006	<0.00003	<0.00003	**<0.019**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000079 J	0.00011 J	0.000063 J	<0.000037	<0.0003	0.000039 J	<0.000057	<0.00013	<0.000079	<0.000037	<0.00007	<0.000037	<0.000037	<0.000074	0.000059 J	<0.000037	**<0.0095**
Chrysene	*0.91*	*2*	<0.000021	0.000044 J	<0.000021	<0.000021	<0.000021	0.000029 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000042	0.00011	<0.000021	<0.0095
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000026	<0.000041	<0.00002	<0.00002	0.000043 J	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002	<0.0095
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000054	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002	**0.148**
Fluoranthene	*0.98*	*2.9*	0.000049 J	0.000099 J	<0.00001	<0.00001	0.000035 J	<0.000061	<0.000052	0.000014 J	<0.00001	<0.00001	0.000031 J	<0.00001	<0.00001	<0.00002	0.0001	0.000015 J	<0.0095
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00005	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00006	<0.00003	<0.00003	0.102
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00005	<0.000025	<0.000025	<0.012
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.0085	<0.00002	<0.00052	<0.000071	<0.000085	<0.00002	<0.00002	0.000064 J	<0.00002	0.000068 J	<0.00004	0.000047 J	<0.00002	**2.13**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000048	<0.000024	<0.000024	<0.019
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00016	<0.000079	<0.000079	**<0.0095**
Phenanthrene	*0.73*	*2.2*	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000052	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000042	0.00005 J	0.000039 J	0.0939
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.002	0.000074 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.000035	<0.000035	<0.0095
Pyrene	*0.73*	*2.2*	0.000052 J	0.000087 J	<0.000019	<0.000019	0.000036 J	<0.000065	0.000043 J	<0.000019	<0.000019	<0.000019	0.000033 J	<0.000019	<0.000019	<0.000038	0.00012	<0.000019	<0.0095
Metals																			
Arsenic	*0.01*	*0.01*	0.000831 J	0.000581 J	0.000562 J	0.000924 J	0.00167 J	0.00126 J	0.00102 J	0.000804 J	0.00216	<0.0004	0.00192 J	0.00241	0.00217	0.00169 J	0.00346	0.00267	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-49A 07/15/2008	MW-49A 02/04/2009	MW-49A 01/21/2010	MW-49A 06/25/2010	MW-49A 01/20/2011	MW-49A 07/22/2011	MW-49A 02/07/2012	MW-49A 07/26/2012	MW-49A 02/07/2013	MW-49A 08/01/2013	MW-49A 01/16/2014	MW-49A 07/16/2014	MW-49A 01/29/2018	MW-49A 04/01/2018	MW-49A 05/31/2018	MW-49A 01/23/2019	MW-49A 07/31/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.0005	<0.0005	<0.005	<0.005	**<0.01**	**<0.05**	<0.0005	<0.00014	<0.0014	<0.0002	<0.0028	<0.0002	<0.001	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.165**	**0.24**	**0.2**	**0.29**	**0.057**	**0.2**	**<0.05**	**0.042**	**0.114**	**0.094**	**0.0565**	**0.108**	**0.013**	**0.016**	**0.01**	0.004	<0.0002
Chlorobenzene	*0.1*	*0.1*	0.00702	0.0053	0.0024 J	<0.005	0.0084 J	<0.01	<0.05	0.0037 J	**0.299**	**0.476**	**0.304**	**0.211**	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0837	0.084	0.085	0.14	0.04 J	0.094	<0.055	0.037	0.0321	0.0499	0.0331	0.0701	0.01	0.01	0.0067	0.0031	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.0005	<0.0005	<0.005	<0.005	**<0.013**	**<0.065**	<0.001	<0.00015	<0.0015	<0.00022	**0.0212**	<0.001	<0.005	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0415	0.077	0.083	0.13	0.021 J	0.11	<0.05	0.031	0.0343	0.0347	0.0296	0.0593	0.003	0.0075	0.0065	0.0023	<0.0002
Vinyl chloride	*0.002*	*0.002*					**<0.005**	**<0.01**	**<0.05**	<0.0005	<0.00011	<0.0011	<0.00018	**<0.0022**	<0.0002		<0.0002	<0.0002	<0.0002
Xylenes (total)	*10*	*10*	0.187	0.2	0.21	0.34	0.079 J	0.2	<0.16	0.082	0.0777	0.106	0.0699	0.157	0.023	0.023	0.015	0.0087	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.002**	<0.0001	<0.0001	<0.0005	<0.0001	<0.00005	<0.00005	<0.00005	**<0.00524**	**<0.0105**	**<0.00519**	**<0.0104**	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**6.08**	**6.8**	**0.86**	**3.7**	0.18	**3**	<0.00005	0.037	**1.42**	**0.903**	**2.1 J**	**1.23**	0.097	0.033	0.097	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.004**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00619**	**<0.0124**	**<0.00613**	**<0.0123**	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.004**	<0.00007	<0.00007	<0.00035	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00381**	**<0.00762**	**<0.00377**	**<0.00755**	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.008	<0.00012	<0.0001	<0.0005	<0.0001	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.00377	<0.00755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.492**	**0.6**	**0.35**	**0.44**	**0.13**	**0.27**	<0.00005	<0.00005	**0.218**	**0.216**	**0.267**	**0.293**	0.000078 J	0.000067 J	0.0079	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.01**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0395**	**<0.079**	**<0.0392**	**<0.0783**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.005	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.0267	**<0.0533**	<0.0264	**<0.0528**	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.468	0.32	0.2	0.21	0.13	0.13	<0.00005	0.033	0.134	0.126	0.18	0.126	0.0036	0.0049	0.007	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.006	0.0039	0.0032	0.0052	0.0018	0.0029	<0.00005	0.00062	<0.00286	<0.00571	0.00528 J	<0.00566	0.00012	0.00012	0.00015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0164	0.01	0.0071	0.0099	0.0096	0.011	<0.00005	0.00076	0.00824 J	0.0119 J	0.0132 J	<0.00472	0.00028	0.00035	0.00062	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.004	0.00066	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.00377	<0.00755	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.004**	**0.00024**	<0.00008	**<0.0004**	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00381**	**<0.00762**	**<0.00377**	**<0.00755**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.008**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00619**	**<0.0124**	**<0.00613**	**<0.0123**	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.004	0.0009	<0.0015	<0.001	<0.00029	<0.0001	<0.0001	0.0001 J	**<0.0176**	**<0.0352**	**<0.0175**	**<0.0349**	0.00013 J	0.00014 J	0.0002 J	<0.000055	<0.000037
Chrysene	*0.91*	*2*	<0.004	0.0006	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.00377	<0.00755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.004	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.00519	<0.0104	0.000069 J	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	**0.293**	**0.21**	**0.14**	**0.16**	0.075	0.09	<0.00005	0.0099	0.0851	0.0812	0.0902	0.0941	0.0021	0.0029	0.0049	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0063	0.0058	0.0025	0.0034	0.0038	0.0033	<0.00005	0.0018	<0.00333	<0.00667	0.00521 J	<0.0066	0.00035	0.00039	0.00049	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.205	0.15	0.11	0.13	0.073	0.092	<0.00005	0.015 J	0.0717	0.0662	0.0864	0.0651	0.0025	0.0027	0.0039	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.005	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	<0.00476	<0.00952	<0.00472	<0.00943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	**11**	**9**	**5.1**	**10**	**1.8**	**7.4**	<0.00005	<0.00005	**2.88**	**3.3**	**5.86**	**5.13**	<0.00016	0.0002	0.046	0.000089 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.008	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.00519	<0.0104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	**<0.004**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00005	<0.00005	<0.00005	**<0.029**	**<0.0581**	**<0.0288**	**<0.0575**	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.147	0.096	0.072	0.086	0.062	0.07	<0.00005	0.002	0.0455	0.0684	0.0564	0.0519	0.00066	0.00055	0.0034	<0.000021	<0.000021
Phenol	*7.3*	*22*	0.0111	<0.00007	0.00077	0.0011	0.0058	0.0095	<0.00005	<0.00023	<0.0019	<0.00381	<0.00189	<0.00377	<0.000035	<0.000035	0.0001 J	<0.000035	0.00064
Pyrene	*0.73*	*2.2*	<0.004	0.0046	0.0017	0.0018	0.002	0.0016	<0.00005	0.00095	<0.00524	<0.0105	<0.00519	<0.0104	0.00018	0.00029	0.00034	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*													0.00163 J	0.00233	0.000922 J	0.0012 J	0.000658 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-49A 01/07/2020	MW-49A 07/16/2020	MW-49A 01/19/2021	MW-49A 07/14/2021	MW-49A 01/10/2022	MW-49A 07/18/2022	MW-49A 01/31/2023	MW-49A 07/24/2023	MW-49A 02/08/2024	MW-49A 08/02/2024	MW-50A 01/31/2008	MW-50A 07/16/2008	MW-50A 02/04/2009	MW-50A 01/20/2010	MW-50A 06/25/2010	MW-50A 01/27/2011	MW-50A 07/28/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.000372	<0.00052	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Benzene	*0.005*	*0.005*	**0.3**	**0.13**	**0.12**	**0.0055**	**0.062**	**0.055**	<0.0002	**0.15**	**0.0095 J**	0.00293	<0.00025	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	*0.1*	*0.1*	0.0063 J	0.0027	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0024	<0.003	<0.000455	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Ethylbenzene	*0.7*	*0.7*	0.1	0.077	0.049	0.016	0.044	0.055	<0.0003	0.12	0.018	0.0118	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011
Methylene chloride	*0.005*	*0.005*	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.00173	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013
Toluene	*1*	*1*	0.19	0.13	0.14	0.019	0.014	0.026	<0.0002	0.18	0.021	0.0117	<0.00041	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Vinyl chloride	*0.002*	*0.002*	<0.002	<0.0002															
Xylenes (total)	*10*	*10*	0.24	0.18	0.12	0.038	0.095	0.12	<0.0003	0.29	0.039	0.0302	<0.00127	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.000021	<0.00021	<0.00021	<0.00021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	**5.7**	**0.58**		0.0034	0.35	0.16	<0.00004	0.4	0.022	0.0036	<0.00029	<0.00033	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.000058	<0.00058	<0.00058	<0.00058	<0.00019	<0.00022	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.000042	<0.00042	<0.00042	<0.00042	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.0021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.13**	0.095	**0.17**	0.041	**0.13**	**0.16**	<0.000019	0.049	**0.14**	0.0058	<0.00038	<0.00044	<0.00007	<0.00007	<0.00007	0.00019 J	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.00002	<0.0002	<0.0002	<0.0002	<0.00019	<0.00056	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00047	0.00093 J	<0.00047	<0.0047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	0.057	0.057	0.073	0.034	0.12	0.11	<0.000027	0.023	0.17	0.02	<0.00029	<0.00033	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Acenaphthylene	*1.5*	*4.4*	0.00097	0.0019	0.0025	0.00074 J	0.0026	0.003 J	<0.000015	<0.00015	0.0025	0.00042 J	<0.00029	<0.00033	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005
Anthracene	*7.3*	*22*	0.0028	0.024	0.017	0.014	0.023	0.017	0.00023	0.0051	0.069	0.0055	<0.00019	<0.00022	0.00011 J	<0.00007	<0.00007	<0.00007	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	**0.0094**	0.0086	0.0028	**0.0097**	0.0054 J	0.00064	0.002	**0.022**	0.0017	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	**0.0045**	**0.0045**	**0.0029**	**0.0077**	**<0.002**	**0.0014**	**0.0012**	**0.0086**	**0.0006 J**	<0.00019	**<0.00022**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.00003	<0.0003	<0.0003	<0.0003	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00011	<0.00018	<0.00037	0.0013 J	<0.00037	<0.0037	0.000054 J	<0.00037	<0.00037	<0.00037	<0.00019	<0.00022	0.0035	<0.0002	<0.0003	0.00029	<0.00077
Chrysene	*0.91*	*2*	<0.000021	0.0086	0.0082	0.0058	0.01	0.006 J	0.00096	0.002	0.024	0.0018	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.00002	<0.0002	<0.0002	<0.0002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	0.037	0.044	0.057	0.022	0.065	0.076	<0.00002	0.017	**0.14**	0.014	<0.00029	<0.00033	0.00025	<0.00008	<0.00008	0.00011 J	<0.00005
Fluoranthene	*0.98*	*2.9*	0.00056	0.046	0.041	0.014	0.038	0.04	0.00083	0.0091	0.16	0.012	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Fluorene	*0.98*	*2.9*	0.027	0.046	0.052	0.024	0.07	0.078	0.000054 J	0.015	0.16	0.017	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00024	<0.00028	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Naphthalene	*0.49*	*1.5*	**4.5**	**2**	**0.9**	0.4	**3.1**	**3.2**	<0.00002	**0.74**	0.29	0.0093	<0.00038	<0.00044	0.0003	<0.0001	<0.0004	0.0026 J	<0.00005
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.0024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.000079	<0.00079	<0.00079	<0.00079	<0.00019	<0.00022	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	0.016	0.22	0.087	0.025	0.087	0.1	0.00041	0.025	0.43	0.027	0.00026 J	<0.00022	0.00031	<0.00007	<0.00007	<0.00007	<0.00005
Phenol	*7.3*	*22*	0.17	0.0017	0.088	<0.00035	<0.00035	<0.0035	<0.000035	<0.0035	<0.00035	<0.00035	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.00052	0.03	0.025	0.0094	0.023	0.025	0.00057	0.0065	0.097	0.0069	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*	0.00463	0.00113 J	0.000986 J	<0.000614	0.00124 J	0.00123 J	0.00137 J	0.00174 J	0.00141 J	0.00418							

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-50A 02/09/2012	MW-50A 07/24/2012	MW-50A 04/02/2013	MW-50A 08/09/2013	MW-50A 01/29/2014	MW-50A 08/28/2014	MW-50A 01/30/2018	MW-50A 03/28/2018	MW-50A 04/01/2018	MW-50A 05/25/2018	MW-50A 01/10/2019	MW-50A 07/19/2019	MW-50A 01/09/2020	MW-50A 07/20/2020	MW-50A 01/13/2021	MW-50A 07/13/2021	MW-50A 01/10/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.00011													
Xylenes (total)	*10*	*10*	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.000106	<0.000108	<0.000104	<0.000109	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	0.000083 J	<0.000298	<0.000304	<0.000292	<0.000307	<0.00004	<0.00004		<0.00004	<0.00004	<0.00004	<0.00071	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.000125	<0.000127	<0.000123	<0.000129	<0.000058	<0.000058		<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.0000769	<0.0000784	<0.0000755	<0.0000792	<0.000042	<0.000042		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.0000769	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	0.0039	0.000107 J	<0.0000686	0.000264 J	<0.0000693	<0.000019	<0.000019		<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	0.000037 J	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.000798	<0.000814	<0.000783	<0.000822	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.000538	<0.000549	<0.000528	<0.000554	<0.000047	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	0.0029	<0.0000769	<0.0000784	<0.0000755	<0.0000792	<0.000027	<0.000027		<0.000027	<0.000027	<0.000027	<0.00037	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.0000577	<0.0000588	<0.0000566	<0.0000594	<0.000015	<0.000015		<0.000015	<0.000015	<0.000015	0.000022 J	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	0.0006	<0.0000481	<0.000049	<0.0000472	<0.0000495	<0.000014	<0.000014		<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	0.0000972 J	<0.0000784	<0.0000755	<0.0000792	<0.00005	<0.00005		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	0.00015 J	<0.0000784	<0.0000755	<0.0000792	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.000125	<0.000127	<0.000123	<0.000129	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00032	<0.00012	0.000512	0.000409 J	<0.000349	<0.000366	<0.000037	<0.000037		0.0001 J	<0.000037	<0.000037	<0.000085	<0.000069	<0.000037	<0.000097	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	0.000157 J	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000054	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	0.000086 J	0.000194 J	0.000147 J	<0.000104	<0.000109	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00024	0.000064 J	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00005	0.0024	<0.0000769	<0.0000784	0.000134 J	<0.0000792	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00013	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	0.00061	<0.0000673	<0.0000686	<0.000066	<0.0000693	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	0.000052 J	<0.000017	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	0.0022	<0.0000673	<0.0000686	<0.000066	<0.0000693	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00011	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.0000962	<0.000098	<0.0000943	<0.000099	<0.000025	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00005	0.02	<0.0000769	0.000265 J	0.00129	0.00071	<0.000046	<0.00002		0.00018	<0.00002	0.00027	<0.002	<0.00002	0.00028	<0.00002	0.000082 J
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.000106	<0.000108	<0.000104	<0.000109	<0.000024	<0.000024		<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	0.000921 J	<0.000598	<0.000575	<0.000604	<0.000079	<0.000079		<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	0.0045	0.000164 J	<0.0000588	0.0000703 J	<0.0000594	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.00007	0.000023 J	0.000052 J	<0.000021	<0.000021
Phenol	*7.3*	*22*	0.00038	<0.00005	<0.0000385	<0.0000392	<0.0000377	<0.0000396	<0.000035	<0.000035		<0.000035	<0.000035	0.00016 J	<0.000066	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	0.00031	0.000138 J	<0.000108	<0.000104	<0.000109	<0.000019	<0.000019		<0.000019	<0.000019	<0.000019	<0.000034	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*							0.00205		<0.0004	0.00857	0.00134 J	0.000642 J	0.000718 J	<0.0004	<0.00135	<0.0004	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-50A 07/17/2022	MW-50A 01/17/2023	MW-50A 07/07/2023	MW-50A 01/30/2024	MW-50A 09/05/2024	MW-50B 03/12/2020	MW-50B 05/26/2020	MW-50B 05/26/2020 Duplicate	MW-50B 07/16/2020	MW-50B 01/12/2021	MW-50B 07/13/2021	MW-50B 01/06/2022	MW-50B 07/17/2022	MW-50B 01/17/2023	MW-50B 07/09/2023	MW-50B 01/21/2024	MW-50B 07/25/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.052**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0068	<0.0003	<0.0003	<0.0003	0.061	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0033	0.001	0.0011	0.00048 J	0.0055	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	<0.0002
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0056	<0.0003	<0.0003	<0.0003	0.061	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021 J	<0.000021 J	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004 J	<0.00004 J	<0.00004	<0.000042	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058 J	<0.000058 J	<0.000058	<0.00006	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042 J	<0.000042 J	<0.000042	<0.000044	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021 J	<0.000021 J	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019 J	<0.000019 J	<0.000019	0.016	0.000036 J	0.000035 J	<0.00004	<0.000019	<0.000019	0.000038 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002 J	<0.00002 J	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047 J	<0.000047 J	<0.000047	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027 J	<0.000027 J	<0.000027	0.02	0.0012	0.0012	0.00091	0.0013	<0.000027	0.000088 J	<0.000027	<0.000027	<0.000027	<0.000027	0.00011
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015 J	<0.000015 J	<0.000015	0.00028	0.00039	0.000029 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014 J	<0.000014 J	<0.000014	0.0016	0.00038	0.00024	0.000078 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000092 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005 J	<0.00005 J	<0.00005	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002 J	<0.00002 J	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003 J	<0.00003 J	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000048	<0.000037	0.000069 JH	<0.000037 J	<0.000037	<0.000039	<0.000037	<0.000037	<0.000037	<0.000037	<0.0001	<0.000037	<0.000037	<0.000037	0.000083 J	<0.000037	0.0001 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.000054 JH	<0.000021 J	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.00024 JH	<0.00002 J	<0.00002	0.000038 J	0.00016 J	0.00026	<0.000053	<0.00018	<0.00002	<0.00002	<0.00002	<0.00002	0.00072	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002 J	<0.00002 J	<0.00002	0.015	0.00078	0.00082	0.00058	0.00052	<0.00002	0.000065 J	<0.00002	<0.00002	<0.00002	0.000091 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000017 JH	0.00002 J	<0.00001	0.0011	0.00033 J	0.00032 J	0.00011	0.0002	<0.00001	0.0002	<0.00001	<0.00001	<0.00001	0.0002	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003 J	<0.00003 J	<0.00003	0.011	0.00042	0.0004	<0.00026	0.00026	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025 J	<0.000025 J	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002 J	<0.00002 J	<0.00002	0.31	0.000037 J	0.000062 J	<0.000064	<0.00067	<0.000025	<0.00029	<0.00002	0.00019	<0.00002	0.00031	0.00035
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024 J	<0.000024 J	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079 J	<0.000079 J	<0.000079	<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000023 JH	<0.000021 J	<0.000021	0.016	0.00096	0.00073	<0.00034	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00037	0.00017
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035 J	<0.000035 J	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019 J	<0.000019 J	<0.000019	0.00059	0.00024	0.00021	0.000064 J	0.00014	<0.000019	0.00014	<0.000019	<0.000019	<0.000019	0.00014	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000656 J	<0.0004	<0.0004	0.00229	0.000646 J	0.00372	0.00656	0.00657	0.00707	**0.0244**	0.00435	0.0095	0.00165 J	0.00212	0.00136 J	0.0016 J	0.000981 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-51A 01/31/2008	MW-51A 01/31/2008 Duplicate	MW-51A 02/04/2009	MW-51A 01/20/2010	MW-51A 06/24/2010	MW-51A 01/20/2011	MW-51A 07/28/2011	MW-51A 02/15/2012	MW-51A 07/24/2012	MW-51A 04/02/2013	MW-51A 08/09/2013	MW-51A 01/29/2014	MW-51A 07/24/2014	MW-51A 01/29/2018	MW-51A 03/28/2018	MW-51A 05/24/2018	MW-51A 01/10/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.0005		<0.00011		<0.00011				
Xylenes (total)	*10*	*10*	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00008	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106	<0.000108	<0.000104	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00029	<0.00057	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000298	<0.000304	<0.000292	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.000127	<0.000123	<0.000123	<0.000058	<0.000059	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.00038	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000769	<0.0000784	**0.00292**	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00038	<0.00076	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000784	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00038	<0.00076	<0.00007	<0.00007	0.00013 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673	<0.0000686	<0.000066	<0.000066	0.000069 J	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00019	<0.00038	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000798	<0.000814	<0.000783	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00024	<0.00048	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000538	<0.000549	<0.000528	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00029	<0.00057	<0.00009	<0.00009	0.00013 J	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000784	<0.0000755	<0.0000755	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00029	<0.00057	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577	<0.0000588	<0.0000566	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00019	<0.00038	<0.00007	<0.00007	0.00017 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000481	<0.000049	<0.0000472	<0.0000472	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00019	<0.00038	<0.00007	<0.00007	0.00014 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000784	<0.0000755	<0.0000755	<0.00005	<0.000051	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00019	**<0.00038**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000784	<0.0000755	<0.0000755	<0.00002	<0.00002	0.000022 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00038	<0.00076	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.000127	<0.000123	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00019	<0.00038	0.00034	<0.0019	<0.00035	<0.00029	<0.0018	<0.0001	<0.00033	<0.000356	<0.000363	0.00121	0.000804	<0.000037	0.000069 J	0.000069 J	0.000078 J
Chrysene	*0.91*	*2*	<0.00019	<0.00038	<0.00007	<0.00007	0.00013 J	<0.00007	<0.00005	<0.00005	0.00011 J	<0.0000769	<0.0000784	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00019	<0.00038	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000051 J	<0.000106	0.00011 J	<0.000104	<0.000104	<0.00002	<0.00002	0.000025 J	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.000566	<0.00057	<0.00008	<0.00008	0.00012 J	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000784	<0.0000755	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00019	<0.00038	<0.00007	<0.00007	0.00072	<0.00007	<0.00005	<0.00005	0.00012 J	<0.0000673	<0.0000686	<0.000066	<0.000066	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.000602	0.00042 J	<0.00007	<0.00007	0.00011 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673	<0.0000686	<0.000066	<0.000066	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00048	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962	<0.000098	<0.0000943	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00182	0.00131	0.00029	<0.0001	0.00087	<0.00011	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000784	0.000118 J	0.000162 J	<0.00018	<0.00023	0.000087 J	0.00012
Nitrobenzene	*0.049*	*0.15*	<0.00038	<0.00076	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106	<0.000108	<0.000104	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00019	<0.00038	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000587	<0.000598	<0.000575	<0.000575	<0.000079	<0.00008	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00097	0.00075	<0.00007	<0.00007	0.00068	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577	0.0000699 J	<0.0000566	<0.0000566	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	0.00044 J	<0.00038	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000385	<0.0000392	<0.0000377	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00019	<0.00038	<0.00007	<0.00007	0.00037	<0.00007	<0.00005	<0.00005	0.000088 J	<0.000106	<0.000108	<0.000104	<0.000104	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*														<0.0004	<0.0004	<0.0004	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-51A 07/19/2019	MW-51A 01/09/2020	MW-51A 07/16/2020	MW-51A 01/11/2021	MW-51A 07/13/2021	MW-51A 01/11/2022	MW-51A 07/17/2022	MW-51A 01/06/2023	MW-51A 07/07/2023	MW-51A 01/16/2024	MW-51A 07/25/2024	MW-51C 07/24/2014	MW-51C 01/29/2018	MW-51C 03/28/2018	MW-51C 05/24/2018	MW-51C 01/10/2019	MW-51C 07/19/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000104 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*											<0.0002	<0.00011					
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000067 J	<0.000044	<0.000019	0.000064 J	<0.000019	0.00011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000066	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.00004	<0.000027	0.000098 J	<0.000027	0.000055 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0000755	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000063	0.000015 J	0.000052 J	<0.000014	<0.000014	0.000038 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.0000472	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00013 J	<0.00014	<0.000042	0.000068 J	<0.00019	0.000074 J	<0.000037	<0.000037	0.000083 J	<0.000037	0.00015 J	0.00111	<0.000037	<0.000037	0.000073 J	0.00013 J	0.000079 J
Chrysene	*0.91*	*2*	<0.000021	0.00005 J	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000034 J	<0.000036	<0.000076	0.000059 J	<0.00002	<0.00002	<0.00002	0.00054	<0.00002	<0.00002	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.00003 J	<0.000049	<0.00002	0.00009 J	<0.00002	0.00006 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00013	<0.000028	0.00014	0.000061 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000066	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.000043	<0.00003	0.0001 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000066	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00055	<0.00032	<0.00002	0.00023	<0.00002	<0.00046	0.000065 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000553	<0.0002	<0.00021	0.00029	0.00017	0.00023
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000026 J	<0.00021	<0.000021	0.00031	<0.000021	0.000063 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000566	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	0.00019 J	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000628	<0.000035	<0.000035	<0.000035	<0.000035	0.00027
Pyrene	*0.73*	*2.2*	<0.000019	<0.000083	0.000043 J	0.000096 J	0.000046 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000104	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	0.00188 J	0.000588 J	0.00125 J	0.000803 J	0.00471	0.00516	0.00225	0.00129 J	0.00311	0.00055 J		0.000614 J	0.0004 J	<0.0004	<0.0004	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-51C 01/09/2020	MW-51C 07/16/2020	MW-51C 01/15/2021	MW-51C 07/13/2021	MW-51C 01/07/2022	MW-51C 07/17/2022	MW-51C 01/06/2023	MW-51C 07/07/2023	MW-51C 01/16/2024	MW-51C 09/05/2024	MW-53C 01/29/2008	MW-53C 07/14/2008	MW-53C 02/03/2009	MW-53C 01/13/2010	MW-53C 06/30/2010	MW-53C 01/26/2011	MW-53C 07/20/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	0.000032 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00007 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.0032	<0.00029	<0.00033	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00019	<0.00022	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000055	<0.00015	<0.000019	<0.000019	<0.000045	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.00038	<0.00044	<0.00007	0.000071 J	<0.00007	<0.00007	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00022	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000094	0.00033	0.00045	0.00011	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.0036	<0.00029	<0.00033	<0.00009	0.0002	0.00032	<0.00009	0.00032
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.00029	<0.00033	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005
Anthracene	*7.3*	*22*	<0.0001	0.00045	0.000059 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	0.000569	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	**<0.00022**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000085	<0.000051	0.000087 J	<0.000075	0.000065 J	<0.000037	<0.000037	0.000074 J	<0.000037	<0.00037	<0.00019	0.00026 J	0.00072	<0.00024	<0.00032	0.00037	<0.00014
Chrysene	*0.91*	*2*	<0.000021	0.00005 J	0.000051	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000076	0.000031 J	<0.00002	<0.00002	<0.00002	0.00042	<0.00002	<0.0002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00011	0.00032	0.00017	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00058 J	<0.00029	<0.00033	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Fluoranthene	*0.98*	*2.9*	0.00018	0.0011	0.0012	0.00014	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Fluorene	*0.98*	*2.9*	<0.00011	0.00049	0.0003	0.000077 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0015	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.00073 J	<0.00024	<0.00028	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Naphthalene	*0.49*	*1.5*	<0.0003	<0.00061	0.0002	<0.000084	<0.00027	0.000061 J	<0.00002	<0.00002	<0.00002	<0.0002	0.00075	0.00161	0.0012	<0.00027	<0.0001	0.00015 J	<0.00005
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00019	<0.00022	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.00056	0.0027	0.00011	0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.00043 J	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00019	0.00027 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	<0.00011	0.00062	0.00082	0.00012	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	0.00039 J	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*	0.000452 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00246	0.000828 J	<0.0004	0.000559 J							

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-53C 02/09/2012	MW-53C 07/18/2012	MW-53C 02/06/2013	MW-53C 08/06/2013	MW-53C 01/22/2014	MW-53C 07/25/2014	MW-53C 01/28/2018	MW-53C 03/21/2018	MW-53C 05/31/2018	MW-53C 01/14/2019	MW-53C 07/16/2019	MW-53C 01/09/2020	MW-53C 07/23/2020	MW-53C 01/25/2021	MW-53C 07/15/2021	MW-53C 01/10/2022	MW-53C 07/20/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0005	0.000644 J	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00063 J
Vinyl chloride	*0.002*	*0.002*						<0.00011											
Xylenes (total)	*10*	*10*	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0011
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.000106	<0.00011	<0.000524	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	<0.000298	<0.00031	<0.00148	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0011	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.000125	<0.00013	<0.000619	<0.000126	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.0000769	<0.00008	<0.000381	<0.0000777	<0.000042	<0.000042	**0.0016**	<0.000042	**0.0028**	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.0000769	<0.00008	<0.000381	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00008 J	<0.000091	<0.0000673	<0.00007	0.000358 J	<0.0000826	<0.000019	<0.000019	<0.000019	<0.000019	0.000071 J	<0.00025	0.00013 J	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.000798	<0.00083	**<0.00395**	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.000538	<0.00056	<0.00267	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0002 J	<0.00005	<0.0000769	<0.00008	0.000856 J	<0.0000777	<0.000027	<0.000027	0.000044 J	<0.000027	<0.000027	<0.00032	0.00012 J	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.0000577	<0.00006	<0.000286	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.00005	<0.0000481	<0.00005	<0.000238	<0.0000485	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000028	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0000769	<0.00008	<0.000381	<0.0000777	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.0000769	<0.00008	**<0.000381**	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.000125	<0.00013	<0.000619	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	<0.0001	<0.000356	<0.00037	<0.00176	<0.000359	0.00012 J	<0.000037	0.0001 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000086	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.0000769	<0.00008	<0.000381	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.000106	<0.00011	<0.000524	<0.000107	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.00005	<0.0000769	<0.00008	<0.000381	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00027	0.000095 J	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.00005	<0.0000673	<0.00007	<0.000333	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000071 J	0.000072 J	0.000012 J	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	<0.00005	<0.0000673	<0.00007	0.000355 J	<0.000068	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0002	0.000061 J	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.0000962	<0.0001	<0.000476	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.000056 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00066	<0.00048	<0.000183	<0.00008	<0.00212	<0.00194	<0.00002	<0.000034	0.00023	<0.00025	0.00013	<0.0012	0.0042 J	<0.000079	0.000033 J	0.000047 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.000106	<0.00011	<0.000524	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.000587	<0.00061	**<0.0029**	<0.000592	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.0000577	<0.00006	0.000939 J	<0.0000665	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00025	0.0001 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.0000385	<0.00004	<0.00019	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.00016	0.0005	<0.000035	0.000052 J	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.000106	<0.00011	<0.000524	<0.000107	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000061	0.000047 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*							0.000502 J	0.000443 J	0.000694 J	<0.0004	0.000569 J	0.000728 J	<0.0004	0.000443 J	<0.004	0.000504 J	0.000568 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-53C 01/09/2023	MW-53C 07/17/2023	MW-53C 01/24/2024	MW-53C 07/30/2024	MW-54C 01/28/2008	MW-54C 07/14/2008	MW-54C 02/03/2009	MW-54C 01/21/2010	MW-54C 06/30/2010	MW-54C 01/26/2011	MW-54C 07/20/2011	MW-54C 02/08/2012	MW-54C 07/25/2012	MW-54C 02/12/2013	MW-54C 08/06/2013	MW-54C 01/23/2014	MW-54C 07/25/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00245	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00257	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.00239	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	0.000128 J	<0.00018	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	0.00584	0.00391 J	0.0029 J	<0.0005	0.0024 J	<0.0005	0.0018 J	0.0011 J	0.0011 J	0.000187 J	0.00062 J	0.000527	0.000282 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.00195	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00274	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015
Vinyl chloride	*0.002*	*0.002*																	<0.00011
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.00581	<0.00127	0.0027 J	<0.001	0.0011 J	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	0.00076 J	0.00062 J	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	0.000075 J	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.0081	<0.00029	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.000098 J	<0.00005	<0.000295	<0.00031	<0.000292	<0.000307
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	0.000073 J	<0.000058	<0.00019	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000123	<0.000129
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	0.001	<0.000042	<0.00019	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	<0.0000755	<0.0000792
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	<0.0000792
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	0.000061 J	**0.109**	**0.14**	**0.13**	<0.00007	0.0096	0.00025	0.022	0.0065	0.0054 J	0.00392	0.0173	0.0176	0.00834
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	0.00024 J	<0.00002	<0.00019	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.00083	<0.000783	<0.000822
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	0.000092 J	<0.000047	<0.00024	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	<0.000528	<0.000554
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.00026	0.00056	0.074	0.0738	0.067	0.00016 J	0.024	0.0023	0.039	0.035	0.022	0.0219	0.0749	0.062	0.0367
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00029	0.00072	<0.00007	0.00042	<0.00007	0.00045	0.00051	0.00039	<0.0000571	<0.00006	0.00105	0.000526
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000095 J	0.00054	0.00268	0.00293	0.003	<0.00007	0.005	0.00027	0.0029	0.0024	0.0019	0.00183	0.00389	0.00445	0.00261
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	0.00014	0.00024 J	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	0.0000993 J	<0.0000792
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	0.000065 J	<0.00002	<0.00019	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	<0.0000792
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000123	<0.000129
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	0.00008 J	<0.000037	0.00105 J	0.00029 J	0.00072	<0.00077	<0.00037	0.0016	<0.00015	<0.0001	0.00017 J	<0.000352	<0.00037	<0.000349	<0.000366
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.000075 J	0.00011	0.00021 J	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	0.0000758 J	<0.0000792
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000092 J	<0.00002	0.00069 J	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000064 J	<0.000105	<0.00011	<0.000824	<0.000109
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00012	0.00066	0.0611	0.0739	0.064	<0.00008	0.028	0.0018	0.046	0.047	0.029	0.0223	0.0878	0.0695	0.0471
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.00013	0.00085	0.00426	0.00349	0.0032	<0.00007	0.0032	0.00016 J	0.0034	0.0026	0.002	0.00246	0.00474	0.00575	0.00302
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.00014	0.00077	0.0323	0.0351	0.03	<0.00007	0.015	0.001	0.022	0.021	0.011	0.0092	0.0409	0.0321	<0.0208
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	0.000079 J	<0.000025	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	0.00014 J	<0.0000952	<0.0001	<0.0000943	<0.000099
Naphthalene	*0.49*	*1.5*	0.00027	<0.00002	0.000073 J	0.000076 J	**0.892**	**0.912**	**1.1**	<0.0001	0.21	0.0055	0.47	0.35	0.15	0.0681	0.383 J	0.315 J	0.18
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	0.00025 J	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.00061	<0.000575	<0.000604
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.0001	0.0022	0.0389	0.0495	0.042	<0.00007	0.024	0.0011	0.04	0.034	0.019	0.0128	0.04	0.042	0.0148
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00011 J	<0.00005	<0.0000381	<0.00004	<0.0000377	<0.0000396
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00011	0.00058	0.00227	0.00163	0.0018	<0.00007	0.0016	<0.00007	0.0017	0.0015	0.0013	0.00138	0.00248	0.00373	0.00169
Metals																			
Arsenic	*0.01*	*0.01*	0.00115 J	0.00124 J	0.00474														

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-54C 01/28/2018	MW-54C 03/20/2018	MW-54C 05/31/2018	MW-54C 01/14/2019	MW-54C 07/16/2019	MW-54C 01/09/2020	MW-54C 07/22/2020	MW-54C 07/22/2020 Duplicate	MW-54C 01/25/2021	MW-54C 01/25/2021 Duplicate	MW-54C 07/23/2021	MW-54C 07/23/2021 Duplicate	MW-54C 01/10/2022	MW-54C 01/10/2022 Duplicate	MW-54C 07/25/2022	MW-54C 01/31/2023	MW-54C 01/31/2023 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0013 J	0.00096 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0014	0.0012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00028 J	<0.00004 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00048	0.00075	0.0059	0.0014	0.0021	0.002	0.000095 J	0.00021 J	0.00089	0.00092	0.00067	0.00078	0.0006 J	0.0012 J	<0.000096	0.000031 J	<0.000019 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.023	0.03	0.04	0.014	0.041	0.021	0.0075 J	0.0072 J	0.014 J	0.01 J	0.016	0.019	0.016 J	0.03 J	<0.031	0.000029 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.00034	0.00036	0.00054	<0.0002	0.00037	0.00023	0.0001 J	0.00011 J	0.00019 J	0.00014 J	0.00017	0.00017	0.00018 J	0.00033 J	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0015	0.0027	0.0041	0.0013	0.0023	0.0015	0.00019 J	0.00061 J	0.00099 J	0.00073 J	0.0013	0.001	0.00096 J	0.0021 J	<0.0018	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	0.000065 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000054 J	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	0.000056 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000055 J	<0.000037	0.00011 J	0.000096 J	<0.000037	<0.00018	<0.000037	<0.000037	<0.00012	<0.00015	0.000056 J	<0.000037 J	<0.000037	0.000092 J	0.00012 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	0.000059 J	0.000053 J	0.000038 J	<0.000021	0.000054 J	<0.000021	<0.000021	0.000031	<0.000021	0.000045	<0.000021	<0.000021	0.000068 J	0.000049 J	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000029 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.025	0.029	0.045	0.015	0.032	0.02	0.0018 J	0.004 J	0.0097	0.009	0.0091	0.0097	0.0094 J	0.024 J	<0.0047	0.000026 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0023	0.004	0.0049	0.002	0.0033	0.0026	0.00097 J	0.00097 J	0.0023 J	0.0012 J	0.002	0.0017	0.0016 J	0.0033 J	<0.0037	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.011	0.014	0.022	0.0085	0.018	0.0095	0.0029 J	0.0038 J	0.0086 J	0.0055 J	0.0083	0.0072	0.0073 J	0.017 J	<0.016	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.022	0.029	0.068	0.019	0.032	<0.035	0.0011 J	<0.0005	0.0092	0.0093	0.0085	0.009	0.0063 J	0.015 J	<0.001	0.00027 J	0.000076 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.0023	0.0041	0.023	0.0052	0.0065	0.0056	<0.000021	0.00086 J	0.0031	0.0028	0.0019	0.0022	0.0026 J	0.0058 J	<0.00026	0.000058 J	<0.000021 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	0.00044	<0.000064	<0.000035	<0.000035	0.000043 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0012	0.0018	0.0028	0.001	0.0016	0.0014	0.00056 J	0.00055 J	0.0011 J	0.00064 J	0.001	0.00087	0.00081 J	0.0016 J	<0.0019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00128 J	0.00133 J	0.0012 J	0.00123 J	0.00103 J	0.00122 J	0.00157 J	0.00126 J	0.00104 J	0.000981 J	0.00934 J	0.00221 J	0.001 J	0.000994 J	<0.00161	0.000518 J	0.000461 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-54C 07/17/2023	MW-54C 01/25/2024 Duplicate	MW-54C 01/25/2024	MW-54C 07/31/2024	MW-54C 07/31/2024 Duplicate	MW-57A 02/05/2009	MW-57A 01/20/2010	MW-57A 06/23/2010 DNAPL	MW-57A 01/18/2011 DNAPL	MW-57A 07/22/2011 DNAPL	MW-57A 02/02/2012 DNAPL	MW-57A 07/24/2012 DNAPL	MW-57A 02/11/2013 DNAPL	MW-57A 07/31/2013 DNAPL	MW-57A 01/15/2014 DNAPL	MW-57A 07/29/2014 DNAPL	MW-57A 07/10/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0025	<0.005	<0.005	**<0.01**	**<0.01**	<0.0005	<0.0014	**<0.007**	<0.0002	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.26**	**0.17**	**0.47**	**0.23**	**0.084**	**0.14**	**0.064**	**0.138**	**0.137**	**0.109**	**0.0412**	0.00057 J
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0025	<0.005	<0.005	<0.01	<0.01	<0.0005	<0.0012	<0.006	0.000465 J	0.000625 J	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.34	0.32	0.45	0.29	0.13	0.22	0.17	0.24	0.283	0.198	0.274	0.00085 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0025	**0.014 J**	<0.005	**<0.013**	**<0.013**	<0.001	0.00367 J	**<0.0075**	<0.00022	<0.00015	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.63	0.13	0.86	0.38	0.055	0.23	0.1	0.244	0.308	0.198	0.0355	<0.0002
Vinyl chloride	*0.002*	*0.002*							**<0.0025**		**<0.005**	**<0.01**	**<0.01**	0.0016 J	<0.0011	**<0.0055**	0.00154		<0.0002
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.92	0.6	1.2	0.68	0.19	0.4	0.33	0.591	0.572	0.454	0.455	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.000021	<0.0001	<0.0001	0.0005 J	<0.0001	<0.0005	<0.0005	<0.0005	**<0.075**	**<0.0267**	**<0.0259**	<0.000109	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004 J	<0.00004	**1.8**	**3**	**2.7 J**	**2**	**1**	**1.7**	0.2	**1.62**	**0.994**	**7.91 J**	0.0443 J	<0.00059
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058 J	<0.000058	<0.00009	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	**<0.0886**	**<0.0316**	**<0.0307**	<0.000129	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042 J	<0.000042	<0.00007	<0.00007	0.00035 J	<0.00007	<0.0006	<0.0006	<0.0006	**<0.0545**	**<0.0194**	**<0.0189**	<0.0000792	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.000021	<0.00012	<0.0001	0.0005 J	<0.0001	<0.0005	<0.0005	<0.0005	<0.0545	<0.0194	<0.0189	<0.0000792	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00027 J	0.00027 J	0.0006 J	0.00041 J	**0.73**	**0.89**	**3.5 J**	**3.5**	**13**	**1.9**	**3.1**	**13.9**	**1.5**	**8.24**	**0.616**	**0.19**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00002	<0.00008	<0.00008	0.0004 J	<0.00008	<0.0008	<0.0008	<0.0008	**<0.566**	**<0.201**	**<0.196**	<0.000822	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047 J	<0.000047	<0.00007	<0.00007	0.00035 J	<0.00007	<0.0005	<0.0005	<0.0005	**<0.382**	**<0.136**	**<0.132**	<0.000554	<0.000047
Acenaphthene	*1.5*	*4.4*	0.015	0.0099	0.0099	0.025 J	0.019	0.24	0.31	**2 J**	**1.9**	**8.6**	1.2	**1.8**	**8.56**	0.997	**5.69**	0.335	0.099
Acenaphthylene	*1.5*	*4.4*	0.00017	<0.000015 J	<0.000015 J	0.00026 J	0.00019 J	0.0056	0.0061	0.02 J	0.022	0.091	0.014	0.024	<0.0409	<0.0146	<0.0142	0.00779	0.0019
Anthracene	*7.3*	*22*	0.0005	0.0005	0.0004	0.001 J	0.00069 J	0.044	0.022	0.9 J	0.62	**8.4**	0.34	0.55	3.09	0.337	2.02	0.0557	0.0084
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005 J	<0.00005	**0.011**	0.00051	**0.15 J**	**0.12**	**0.45**	**0.047**	**0.074**	**0.605**	**0.0521 J**	**0.361**	0.0072	0.001
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00002	**0.0045**	0.00012 J	**0.037 J**	**0.028**	**0.16**	**0.014**	**0.024**	**0.165 J**	**<0.0194**	**0.0962 J**	**0.00385**	**0.00054**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003 J	<0.00003	<0.00009	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	**<0.0886**	**<0.0316**	**<0.0307**	**0.0021**	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037 J	<0.000037	0.002	<0.0004	0.001 J	<0.0002	<0.001	0.0016 J	<0.001	**<0.252**	**<0.0898**	**<0.0873**	<0.000808	0.00021
Chrysene	*0.91*	*2*	0.000029 J	<0.000021	<0.000021	<0.000021 J	<0.000021	0.0094	0.00034	0.14 J	0.11	0.53	0.046	0.089	0.602	0.0482 J	0.36	0.00625	0.001
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00002	<0.00007	<0.00007	0.00035 J	<0.00007	<0.0005	<0.0005	<0.0005	<0.075	<0.0267	<0.0259	<0.000109	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.002	0.0063 J	0.0043 J	0.02 J	0.015	**0.21**	**0.17**	**1.9 J**	**1.7**	**8.6**	**0.86**	**1.7**	**7.28**	**0.799**	**4.69**	**0.257**	0.076
Fluoranthene	*0.98*	*2.9*	0.0021	0.0017	0.0017	0.0023 J	0.0015 J	0.054	0.0063	**1.4 J**	**0.99**	**6**	0.48	0.74	**4.98**	0.412	**3.19**	0.0561	0.0091
Fluorene	*0.98*	*2.9*	0.0068	0.0056	0.0054	0.013 J	0.0093 J	0.083	0.11	**1.6 J**	**1.4**	**7.9**	0.72	**1.4**	**6.54**	0.713	**4.16**	0.21	0.059
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025 J	<0.000025	<0.00009	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	<0.0682	<0.0243	<0.0236	<0.000099	<0.000025
Naphthalene	*0.49*	*1.5*	0.000073 J	0.0015 J	0.00069 J	0.0016 J	0.001 J	**16**	**7.4**	**20 J**	**18**	**71**	**9.2**	**22**	**60.7**	**13.5**	**56.9**	**7.27**	**0.61**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024 J	<0.000024	<0.00009	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	**<0.075**	<0.0267	<0.0259	<0.000109	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079 J	<0.000079	<0.00008	<0.00008	0.0004 J	<0.00008	<0.0005	<0.0005	<0.0005	**<0.416**	**<0.148**	**<0.144**	<0.000604	0.00059
Phenanthrene	*0.73*	*2.2*	0.00006 J	0.0012 J	0.00062 J	0.0025 J	0.002	0.22	0.088	**4 J**	**3.5**	**13**	**2**	**3**	**17**	**1.61**	**13.1**	0.271	0.059
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035 J	<0.000035	0.052	0.0099	0.042 J	0.02	<0.0005	0.0089	<0.0005	<0.0273	<0.00971	<0.00943	<0.0000396	<0.00016
Pyrene	*0.73*	*2.2*	0.0012	0.0009	0.00092	0.0012 J	0.00078 J	0.038	0.0037	**0.84 J**	0.67	**3.3**	0.34	0.42	**3.12**	0.264	**2.29**	0.0308 J	0.0055
Metals																			
Arsenic	*0.01*	*0.01*	0.00446	0.00104 J	0.0013 J	0.00116 J	0.0013 J												0.00447

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-57A 01/08/2020	MW-57A 07/15/2020	MW-57A 01/20/2021	MW-57A 07/22/2021	MW-57A 01/26/2022	MW-57A 03/25/2022	MW-57A 07/12/2022	MW-57A 01/19/2023	MW-57A 07/12/2023	MW-57A 01/19/2024	MW-57A 08/01/2024	MW-58A 02/05/2009	MW-58A 01/20/2010	MW-58A 06/23/2010	MW-58A 01/19/2011	MW-58A 07/27/2011	MW-58A 02/03/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.0025	<0.0025	<0.0025	<0.0025	<0.005	**<0.01**
Benzene	*0.005*	*0.005*	**0.038**	0.0019	**0.0065**	0.0011	0.002	**0.0083**	0.0015	**0.025**	0.0018	0.0047	0.000676 J	**0.052**	**0.038**	**0.075**	**0.034**	<0.005	**0.12**
Chlorobenzene	*0.1*	*0.1*	0.00046 J	0.00045 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.0025	0.0093 J	0.01 J	0.0029 J	<0.005	<0.01
Ethylbenzene	*0.7*	*0.7*	0.015	0.0015	0.0029	0.0012	0.00076 J	0.0021	0.00066 J	0.0074	0.0016	0.00096 J	<0.000385	0.079	0.063	0.11	0.03	<0.0055	0.085
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.0025	<0.0025	<0.0048	<0.0025	**<0.0065**	**<0.013**
Toluene	*1*	*1*	0.01	0.00033 J	0.0032	0.00043 J	<0.0002	0.00094 J	<0.0002	0.0016	<0.0002	<0.0002	<0.000475	0.022 J	0.02 J	0.045	0.0059 J	<0.005	0.043 J
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.0002											**<0.0025**		**<0.0025**	**<0.005**	
Xylenes (total)	*10*	*10*	0.026	0.0021	0.0064	0.0018	0.0019	0.0047	0.0021	0.014	<0.0003	0.0018 J	<0.00124	0.1	0.04 J	0.15	0.029 J	<0.016	0.23
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	0.0001 J	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	0.41	<0.00004	0.058	<0.00004	0.025	0.11	0.029	0.027	<0.00004	0.0022	<0.00004	0.047	0.097	**0.61**	**0.68**	<0.00005	**1.1**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.18**	**0.15**	**0.18**	**0.11**	**0.6**	**2**	**0.15**	0.09	0.0032	0.0052	0.01	**0.22**	**0.1**	**0.21**	0.057	<0.00005	0.082
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	0.00008 J	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.19	0.084	0.097	0.061	0.42	**1.6**	0.22	0.15	0.038	0.058	0.025	0.31	0.18	0.28	0.12	<0.00005	0.16
Acenaphthylene	*1.5*	*4.4*	0.0025	0.0011	0.0017	0.00091	0.0069	0.029	0.0048	0.0024	<0.000015	<0.000015	0.00042	0.0012	0.0013	0.0015	0.00072	<0.00005	0.0011
Anthracene	*7.3*	*22*	0.048	0.013	0.014	0.0093	0.24	0.84	0.16	0.044	0.0076	0.011	0.0039	0.0045	0.0098	0.017 J	0.0051	0.00039	0.0055
Benzo(a)anthracene	*0.0091*	*0.02*	0.0036	0.00079	0.00078	0.0003	**0.034**	**0.13**	**0.024**	**0.01**	0.00043	0.0016	0.0001	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0011**	**0.00033**	**0.00022**	0.00013	**0.0074**	**0.042**	**0.0095**	**0.0048**	**0.00022**	**0.00064**	0.000032 J	<0.00008	<0.00008	0.00008 J	<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000037	<0.00017	<0.000037	<0.00037	<0.00037	0.00064 J	<0.00037	<0.000037	<0.000037	<0.000037	0.0003	<0.0002	0.00046 J	0.00035	0.00071	<0.0001
Chrysene	*0.91*	*2*	0.003	0.00073	0.00059	0.00031	0.035	0.14	0.024	0.0083	0.00042	0.0016	0.000096 J	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000066	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	0.0012	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	**0.15**	0.067	0.086	0.054	**0.37**	**1.4**	0.081	0.098	0.023	0.039	0.015	**0.23**	**0.14**	**0.23**	0.079	0.0017	**0.13**
Fluoranthene	*0.98*	*2.9*	0.038	0.0075	0.0096	0.006	0.32	**1.5**	0.28	0.053	0.0048	0.012	0.0034	0.0025	0.0058	0.009 J	0.0049	0.001	0.0036
Fluorene	*0.98*	*2.9*	0.13	0.056	0.065	0.048	0.37	**1.5**	0.15	0.095	0.023	0.042	0.016	0.15	0.12	0.16	0.065	<0.00005	0.08
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	0.00009 J	<0.00009	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	**1**	0.2	**0.81**	0.15	**2.2**	**7.5**	0.17	0.14	<0.00032	0.022	0.012	**2.4**	**0.67**	**1.5**	0.45	<0.00005	**2.2**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	0.00008 J	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.17	0.065	0.078	0.054	**0.92**	**3.5**	0.32	0.19	0.016	0.062	0.02	0.041	0.049	0.061 J	0.037	<0.00005	0.039
Phenol	*7.3*	*22*	0.0049	<0.000035	0.0012	<0.000092	<0.00035	0.12	<0.00035	<0.00035	<0.000035	<0.000035	<0.000035	0.00029	0.0074	0.0065 J	0.00037	0.000077 J	0.0038
Pyrene	*0.73*	*2.2*	0.025	0.0047	0.0052	0.0033	0.2	**0.78**	0.16	0.035	0.028	0.0083	0.0018	0.0012	0.0034	0.0042 J	0.0022	0.00073	0.0022
Metals																			
Arsenic	*0.01*	*0.01*	**0.0545**	**0.0488**	**0.0599**	**0.0423**	**0.0413**	**0.0443**	**0.0157**	**0.0557**	**0.0212**	**0.0476**	**0.0487**						

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-58A 07/24/2012	MW-58A 02/11/2013	MW-58A 08/06/2013	MW-58A 01/29/2014	MW-58A 08/28/2014	MW-58A 01/31/2018	MW-58A 03/19/2018	MW-58A 05/16/2018	MW-58A 01/23/2019	MW-58A 07/10/2019	MW-58A 01/08/2020	MW-58A 07/15/2020	MW-58A 01/20/2021	MW-58A 07/20/2021	MW-58A 01/26/2022	MW-58A 03/25/2022	MW-58A 07/12/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.00014	<0.00014	<0.00014	<0.0014	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.16**	**0.0943**	0.0000807 J	<0.00008	**0.259**	0.0048	**0.012**	**0.012**	0.0011	0.0049	**0.0053**	0.003	0.0014	0.0018	0.0016	**0.017**	**0.0092**
Chlorobenzene	*0.1*	*0.1*	0.0018 J	0.00295	<0.00012	<0.00012	<0.0012	<0.0003	0.00054 J	<0.0015	0.00046 J	0.0008 J	0.00072 J	0.00035 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.099	0.0648	<0.00011	<0.00011	0.167	0.0066	0.038	0.035	0.0032	0.017	0.0098	0.0029	0.0032	0.0039	0.00079 J	0.0048	0.00056 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00015	<0.00015	<0.00015	<0.0015	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.041	0.0176	<0.00015	<0.00015	0.135	0.00091 J	0.00063 J	0.0027 J	0.0014	<0.0002	<0.0002	0.00045 J	<0.0002	<0.0002	0.00048 J	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*	**0.011**	**0.00281**	<0.00011	<0.00011	**0.0101 J**	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002					
Xylenes (total)	*10*	*10*	0.31	0.122	<0.00026	<0.00026	0.352	0.012	0.068	0.015	0.005	0.028	0.028	0.011	0.006	0.0081	0.0052	0.0098	0.0053
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	**<0.01**	<0.00011	<0.000104	**<0.00539**	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**2.4**	**0.95**	<0.00031	<0.000292	**9.19**	0.0015 J	0.00053	<0.00004	0.0001 J	<0.00004	<0.00004	0.00067	0.00023	0.00015 J	<0.00004	0.012	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	**<0.0118**	<0.00013	<0.000123	**<0.00637**	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	**<0.00727**	<0.00008	<0.0000755	**<0.00392**	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00727	<0.00008	<0.0000755	<0.00392	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000066 J
2-Methylnaphthalene	*0.098*	*0.29*	0.0076	**0.243**	<0.00007	<0.000066	**0.373**	0.038	0.045	**0.14**	0.000072 J	0.015	0.08	0.048	0.022	0.0057	0.016	0.027	0.0088
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	**<0.0755**	<0.00083	<0.000783	**<0.0407**	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	**<0.0509**	<0.00056	<0.000528	<0.0275	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.057	0.205	<0.00008	<0.0000755	0.221	0.1	0.17	0.19	0.023	0.11	0.27	0.082	0.18	0.027	0.074	0.063	0.089
Acenaphthylene	*1.5*	*4.4*	0.0011	<0.00545	<0.00006	<0.0000566	0.00996 J	0.0012	0.001	0.0017	0.00038	0.00087	0.0015	0.0009	0.0011	0.00019	0.00045	<0.000015	0.00073
Anthracene	*7.3*	*22*	0.0069	0.0245 J	<0.00005	<0.0000472	0.0126 J	0.0055	0.008	0.011	0.002	0.062	0.018	0.0069	0.0064	0.0024	0.0036	0.0046	0.0054
Benzo(a)anthracene	*0.0091*	*0.02*	0.00072	<0.00727	<0.00008	<0.0000755	<0.00392	<0.0005	0.000083 J	0.000083 J	<0.00005	0.00082	0.000091 J	0.00015	0.000053 J	<0.00005	<0.00005	0.00012	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00027**	**<0.00727**	<0.00008	<0.0000755	**<0.00392**	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000053 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	**0.0321 J**	<0.00013	<0.000123	**<0.00637**	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00094	**<0.0336**	<0.00037	<0.000349	**<0.0181**	<0.00037	<0.000037	0.000098 J	<0.00007	<0.000037	<0.00011	<0.000037	<0.00015	0.000065 J	<0.000037	0.0016	0.00046
Chrysene	*0.91*	*2*	0.0011	<0.00727	<0.00008	<0.0000755	<0.00392	<0.00021	0.000083 J	0.000082 J	0.00003 J	0.00084	0.000071 J	0.00012	<0.000021	0.000032	<0.000021	0.00013	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.01	<0.00011	<0.000104	<0.00539	<0.0002	<0.00002	<0.00002	0.000032 J	<0.00002	<0.00002	0.00017 J	0.00035	0.00003 J	0.00022	0.00025	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.0088	**0.128**	<0.00008	<0.0000755	**0.136**	0.036	0.08	0.091	0.013	0.059	**0.13**	0.047	0.08	0.011	0.0091	0.0098	0.0043
Fluoranthene	*0.98*	*2.9*	0.0099	0.0102 J	<0.00007	<0.000066	<0.00343	0.0065	0.0074	0.0067	0.002	0.02	0.0099	0.0076	0.0073	0.0023	0.0033	0.0037	0.0049
Fluorene	*0.98*	*2.9*	0.027	0.12	<0.00007	<0.000066	0.109	0.084	0.096	0.12	0.015	0.15	0.19	0.083	0.12	0.02	0.054	0.043	0.055
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00909	<0.0001	<0.0000943	<0.0049	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.068	**2.96 J**	0.00036 J	<0.0000755	**4.05**	0.0037	**0.95**	0.32	0.00042	0.46	**1.2**	0.35	0.059	0.092	0.18	0.32	0.014
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.01	<0.00011	<0.000104	<0.00539	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.001
Pentachlorophenol	*0.001*	*0.001*	0.00017 J	**<0.0555**	<0.00061	<0.000575	**<0.0299**	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.036	0.0563	<0.00006	<0.0000566	0.0702	0.024	0.042	0.038	0.0038	0.036	0.062	0.037	0.028	0.0082	0.025	0.015	0.023
Phenol	*7.3*	*22*	0.00074	<0.00364	<0.00004	<0.0000377	<0.00196	0.00054 J	<0.000035	<0.000035	0.000074 J	<0.000035	<0.000035	0.00023	<0.000035	<0.000035	<0.000035	0.02	<0.000035
Pyrene	*0.73*	*2.2*	0.0069	<0.01	<0.00011	<0.000104	<0.00539	0.0031	0.0039	0.0036	0.00088	0.0099	0.005	0.0034	0.0034	0.0012	0.0014	0.0017	0.002
Metals																			
Arsenic	*0.01*	*0.01*						0.000713 J	0.00106 J	0.00143 J	0.00232	0.00748	0.000906 J	0.00204	0.00214	0.00424	0.00188 J	0.00276	0.00459

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-58A 01/19/2023	MW-58A 07/12/2023	MW-58A 01/18/2024	MW-58A 08/02/2024	MW-59A 02/05/2009	MW-59A 01/20/2010	MW-59A 06/24/2010	MW-59A 01/20/2011	MW-59A 07/18/2011	MW-59A 02/06/2012	MW-59A 07/27/2012	MW-59A 01/31/2013	MW-59A 08/01/2013	MW-59A 01/16/2014	MW-59A 07/30/2014	MW-59A 01/29/2018	MW-59A 03/20/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.000372	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.0056**	**0.011**	**0.0086**	**0.0118**	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	0.000683 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.00046 J	0.00083 J	0.00045 J	0.00477	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.00173	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	0.00141	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002
Xylenes (total)	*10*	*10*	0.0036	0.005	0.0014 J	0.011	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	**<0.000021 JL**	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000108	<0.000104	<0.000109	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00017 J	<0.00004	0.018	0.019	<0.00008	<0.00008	<0.00008	<0.00008	0.000066 J	<0.00005	<0.00005	<0.000292	<0.000304	<0.000292	<0.000307	<0.00004	<0.000041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	**<0.000058 JL**	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000127	<0.000123	<0.000129	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	**<0.000042 JL**	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.000042	<0.000043
2-Chloronaphthalene	*2*	*5.8*	0.000021 J	**<0.000021 JL**	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0056	**0.0035 JL**	0.0033	0.0003	<0.00007	<0.00007	0.0002	0.0018	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000686	<0.0000902	<0.0000693	0.00011	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.000814	<0.000783	<0.000822	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000549	<0.000528	<0.000554	<0.000047	<0.000048
Acenaphthene	*1.5*	*4.4*	0.031	0.014	0.024	0.0094	<0.00009	<0.00009	0.0003	0.00079	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000831	<0.0000792	0.0001	<0.000028
Acenaphthylene	*1.5*	*4.4*	0.000015	<1.5E-05 JL	0.00023	0.00017	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000588	<0.0000566	<0.0000594	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0024	0.001 JL	0.0019	0.0011	<0.00007	<0.00007	0.00026	0.0004	<0.00005	<0.00005	<0.00005	<0.0000472	0.0000519 J	0.000119 J	<0.0000495	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005 JL	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	0.00015 J	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002 JL	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003 JL	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000127	<0.000123	<0.000129	<0.00003	<0.000031
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000037	<3.7E-05 JL	<0.000037	<0.000037	0.0006	<0.00065	<0.00023	<0.00031	<0.00054	0.00015 J	<0.0001	<0.000349	<0.000363	<0.000349	<0.000366	0.000094 J	<0.000038
Chrysene	*0.91*	*2*	<0.000021	<2.1E-05 JL	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	0.00014 J	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000021 J	<0.00002 JL	<0.00002	<0.00002	0.00077	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000075	<0.000104	0.000169 J	0.000178 J	<0.000109	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.0013	0.0017	0.004	0.0042	<0.00008	<0.00008	0.0007	0.00099	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.000136	<0.0000792	0.00017	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0028	0.0014 JL	0.002	0.0014	<0.00007	<0.00007	0.0005	0.0012	<0.00012	<0.00005	<0.00005	<0.000066	<0.0000686	0.000199 J	<0.0000693	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.022	0.0095 JL	0.015	0.0069	<0.00007	<0.00007	0.00045	0.00084	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000686	0.000176 J	<0.0000693	0.00011	<0.000031
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<2.5E-05 JL	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.000098	<0.0000943	<0.000099	<0.000025	<0.000026
Naphthalene	*0.49*	*1.5*	0.0048	0.053	0.034	0.000094 J	<0.0001	<0.0001	0.00047	0.0066	<0.00005	<0.00005	0.000051 J	<0.0000755	<0.0000784	<0.000381	0.000219 J	0.00068	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<2.4E-05 JL	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000108	<0.000104	<0.000109	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000598	<0.000575	<0.000604	<0.000079	<0.000081
Phenanthrene	*0.73*	*2.2*	0.0098	0.0047 JL	0.005	0.000033 J	<0.00007	<0.00007	0.0017	0.0024	<0.00018	<0.00005	<0.00005	<0.0000566	0.000075 J	<0.000587	<0.0000594	0.00018	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000065 J	<0.0000377	<0.0000392	<0.0000377	<0.0000396	<0.000035	<0.000036
Pyrene	*0.73*	*2.2*	0.0014	0.00066 JL	0.0011	0.00071	<0.00007	<0.00007	0.00029	0.00059	<0.00005	<0.00005	<0.00005	<0.000104	<0.000108	0.00012 J	<0.000109	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00204	0.000646 J	0.000084 J	0.00073 J												0.00181 J	0.00131 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-59A 05/24/2018	MW-59A 01/23/2019	MW-59A 07/17/2019	MW-59A 01/16/2020	MW-59A 07/21/2020	MW-59A 01/26/2021	MW-59A 07/19/2021	MW-59A 01/12/2022	MW-59A 07/18/2022	MW-59A 01/31/2023	MW-59A 07/13/2023	MW-59A 02/06/2024	MW-59A 07/31/2024	MW-59D 02/05/2009	MW-59D 02/05/2009 Duplicate	MW-59D 01/20/2010	MW-59D 01/20/2010 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0011 J	0.0014 J	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00064 J	0.0007 J	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002												
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.00016 J	<0.00004	<0.00004	0.00005 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.00012	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.000036 J	<0.00016	<0.000019	<0.000019	<0.000019	0.000069 J	<0.000019	0.000054 J	<0.000019	<0.000019	<0.000019	0.00015 J	0.0003	<0.00007	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.00029	<0.000027	<0.000071	<0.000027	0.00013	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00015 J	0.00014 J	<0.00009	<0.00009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006	<0.00006	<0.00007	<0.00007
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000027	<0.000014	<0.000014	<0.000014	0.000037 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.00005	<0.000037	<0.000037	<0.000096	<0.000037	0.000056 J	<0.000046	0.000097 J	<0.000037	<0.000037	<0.000037	0.006	0.0055	<0.00023	<0.00087
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000064 J	<0.00002	<0.00002	<0.000025	<0.00002	<0.00002	0.000021 J	<0.00002	<0.00002	<0.00002	0.000023 J	0.0029	0.0023	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00016	<0.00002	<0.00007	<0.00002	0.000061 J	<0.00002	0.000023 J	<0.00002	<0.00002	<0.00002	0.00014 J	<0.00008	<0.00008	<0.00008
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.000032	<0.00001	<0.00001	<0.00001	0.00011	<0.00001	<0.00001	<0.00001	<0.00001	0.000016 J	<0.00007	<0.00007	<0.00007	<0.00007
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00011	<0.00003	<0.00005	<0.00003	0.00011	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00013 J	0.00012 J	<0.00007	<0.00007
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00012	<0.0012	0.00017	<0.00007	0.000087 J	<0.0003	0.000028 J	0.000091 J	<0.00002	<0.00002	0.000034 J	0.0019	0.0029	<0.0001	<0.0001
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.00012	0.00007 J	<0.000022	<0.000021	0.00023	<0.000021	<0.000021	<0.000021	<0.000021	0.000023 J	0.0002	0.00025	<0.00007	<0.00007
Phenol	*7.3*	*22*	0.000089 J	<0.000035	0.000058 J	<0.000035	0.000097 J	0.000036 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000023	<0.000019	<0.000019	<0.000019	0.000074 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00007	<0.00007	<0.00007	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	**0.0101**	0.00243	0.00455	0.00368	0.00172 J	0.0015 J	0.0026	0.00565	**0.012**	0.00151 J	0.000796 J	0.000491 J	0.00428				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-59D 07/01/2010	MW-59D 07/01/2010 Duplicate	MW-59D 01/20/2011	MW-59D 07/27/2011	MW-59D 07/27/2011 Duplicate	MW-59D 02/14/2012	MW-59D 02/14/2012 Duplicate	MW-59D 07/23/2012	MW-59D 02/11/2013	MW-59D 02/11/2013 Duplicate	MW-59D 08/05/2013	MW-59D 08/05/2013 Duplicate	MW-59D 01/23/2014	MW-59D 01/23/2014 Duplicate	MW-59D 08/28/2014	MW-59D 08/28/2014 Duplicate	MW-59D 02/07/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	0.000135 J	0.000114 J	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.00018	<0.00018	<0.00012	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	<0.00019	<0.00019	<0.00011	<0.00011	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.00022	<0.00022	<0.00015	<0.00015	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.00017	<0.00017	0.000258 J	0.000249 J	<0.0002
Vinyl chloride	*0.002*	*0.002*							<0.001										
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.00058	<0.00058	<0.00026	<0.00026	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00011	<0.00011	<0.000104	<0.000104	<0.00011	<0.00011	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000295	<0.000295	<0.00031	<0.00031	<0.000292	<0.000292	<0.00031	<0.00031	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	<0.00013	<0.00013	<0.000123	<0.000123	<0.00013	<0.00013	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	<0.00007	0.00046	<0.00005	<0.00005	<0.00005	<0.00005	0.000071 J	<0.0000667	<0.0000667	0.00016 J	0.00007 J	<0.000066	<0.000066	0.000334 J	0.00007 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.00079	<0.00083	<0.00083	<0.000783	<0.000783	<0.00083	<0.00083	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000533	<0.000533	<0.00056	<0.00056	<0.000528	<0.000528	<0.00056	<0.00056	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00009	<0.00009	0.00095	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000571	<0.00006	<0.00006	<0.0000566	<0.0000566	<0.00006	<0.00006	<0.000015
Anthracene	*7.3*	*22*	<0.00007	<0.00007	0.00069	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000476	<0.0000476	<0.00005	<0.00005	<0.000425	<0.0000472	<0.00005	<0.00005	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	0.00027	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	<0.00013	<0.00013	<0.000123	<0.000123	<0.00013	<0.00013	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00031	<0.00049	<0.0015	0.0011	0.0018	<0.00094	<0.00068	<0.00014	<0.000352	0.000538	0.000805 J	0.000812 J	0.000425 J	0.000364 J	0.00306 J	0.00598 J	0.000063 J
Chrysene	*0.91*	*2*	<0.00007	<0.00007	0.00024	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00011	<0.00011	<0.000825	<0.000827	<0.00011	<0.00011	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00008	<0.00008	0.0011	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00007	<0.00007	0.0018	<0.00005	<0.00005	<0.00005	0.000075 J	<0.00005	<0.0000667	<0.0000667	<0.00007	<0.00007	0.0000789 J	0.0000746 J	0.00018 J	0.00007 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	0.00079	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000667	<0.0000667	<0.00007	<0.00007	<0.000066	0.0000688 J	<0.00007	<0.00007	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000952	<0.0001	<0.0001	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00022	<0.0001	0.0034	<0.00005	<0.00005	<0.00005	<0.000064	<0.00036	<0.0000762	<0.0000762	0.00226 J	0.00008 J	<0.000727	<0.000796	0.00576 J	0.00008 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00011	<0.00011	<0.000104	<0.000104	<0.00011	<0.00011	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000581	<0.000581	<0.00061	<0.00061	<0.000575	<0.000575	<0.00061	<0.00061	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	<0.00007	0.0037	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000571	<0.00006	<0.00006	<0.000455	<0.000464	0.00018 J	0.0000608 J	<0.000021
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00014 J	0.000087 J	<0.00005	<0.0000381	<0.0000381	<0.00004	<0.00004	<0.0000377	<0.0000377	<0.00004	<0.00004	<0.000035
Pyrene	*0.73*	*2.2*	<0.00007	<0.00007	0.0011	<0.00005	<0.00005	<0.00005	0.000054 J	<0.00005	<0.000105	<0.000105	<0.00011	<0.00011	<0.000104	<0.000104	0.000131 J	<0.00011	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*																	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-59D 02/07/2018 Duplicate	MW-59D 03/26/2018	MW-59D 03/26/2018 Duplicate	MW-59D 06/01/2018	MW-59D 06/01/2018 Duplicate	MW-59D 01/24/2019	MW-59D 01/24/2019 Duplicate	MW-59D 07/31/2019	MW-59D 07/31/2019 Duplicate	MW-59D 01/16/2020	MW-59D 01/16/2020 Duplicate	MW-59D 08/03/2020	MW-59D 08/03/2020 Duplicate	MW-59D 01/26/2021	MW-59D 01/26/2021 Duplicate	MW-59D 07/22/2021	MW-59D 07/22/2021 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000093 J	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00013	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.000083 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000058 J	0.000019 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	0.00012	<0.000027	<0.000027	<0.000027	<0.000027	<0.000036	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	0.000024 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000054 J	<0.000037	0.000095 J	0.00024	0.00026	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00025	0.00025	<0.00019	<0.00015	0.00012 J	0.000058 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000047	<0.00005	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.000092 J	0.00024 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.000028	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.000064 J	0.00017 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00013	<0.00002	<0.000099	<0.000049	<0.00002	<0.000047	<0.00066	<0.00021
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024 J	0.00013 J	0.000068 J	<0.000024 J
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.00018	<0.000021	<0.000021	<0.000021	<0.000021	<0.000043	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.00063 J	0.00097 J	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000043 J	<0.00005	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	<0.0004	0.00111 J	0.00101 J	0.000765 J	0.000637 J	<0.0004	0.000502 J	0.000508 J	0.000478 J	0.00111 J	0.00113 J	0.0004	<0.0004	0.00712	0.00787

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-59D 01/26/2022	MW-59D 01/26/2022 Duplicate	MW-59D 07/27/2022	MW-59D 07/27/2022 Duplicate	MW-59D 02/03/2023	MW-59D 02/03/2023 Duplicate	MW-59D 07/14/2023	MW-59D 07/14/2023 Duplicate	MW-59D 02/06/2024	MW-59D 02/06/2024 Duplicate	MW-60A 02/04/2009	MW-60A 01/20/2010	MW-60A 06/24/2010	MW-60A 01/19/2011	MW-60A 07/18/2011	MW-60A 02/07/2012	MW-60A 07/23/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Vinyl chloride	*0.002*	*0.002*														<0.0005	<0.001	<0.001	<0.0005
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.001
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00028	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0021
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00045	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	0.0012
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00034	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00027
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000081 J	0.000075 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.002	<0.0025	<0.0002	0.0031	<0.00017	0.00023	<0.0001
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000046 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0023	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000076
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00035	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00099
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00039	<0.00007	0.0003	0.00029	<0.00005	0.00028	0.0003
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00044	<0.00007	<0.00007	<0.00007	<0.00005	0.00016 J	0.00089
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.000084 J	0.00003 J	0.000032 J	<0.00002	<0.00002	<0.00002	<0.00002	0.0095	<0.0001	0.0015	<0.0001	<0.00005	<0.00005	0.025
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	0.000093 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.0011	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0015
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00029	<0.00007	0.0002 J	0.00079	<0.00005	0.0013	0.00033
Metals																			
Arsenic	*0.01*	*0.01*	0.00172 J	0.00149 J	0.000721 J	0.000622 J	0.000865 J	0.000563 J	0.000961 J	0.00105 J	0.000483 J	0.000452 J							

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-60A 02/14/2013	MW-60A 04/02/2013	MW-60A 08/02/2013	MW-60A 01/15/2014	MW-60A 07/16/2014	MW-60A 02/08/2018	MW-60A 03/20/2018	MW-60A 05/25/2018	MW-60A 01/11/2019	MW-60A 07/17/2019	MW-60AR 03/20/2020	MW-60AR 06/01/2020	MW-60AR 07/20/2020	MW-60AR 01/14/2021	MW-60AR 07/08/2021	MW-60AR 01/11/2022	MW-60AR 07/18/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*		<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*		<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*		<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*		<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*		<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*		<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*		<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002							
Xylenes (total)	*10*	*10*		<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00038	<0.000106	<0.000105	<0.000104	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00018	<0.000298	<0.000295	<0.000292	<0.000292	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00011 J	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00032	<0.000125	<0.000124	<0.000123	<0.000123	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00029	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00019	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000146 J	<0.0000673	<0.0000667	0.000143 J	0.000516	<0.000019	<0.000019	<0.000019	<0.000019	0.000072 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00002 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00016	<0.000798	<0.00079	<0.000783	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00033	<0.000538	<0.000533	<0.000528	<0.000528	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00016	<0.0000769	<0.0000762	0.000157 J	0.000167 J	<0.000027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000071 J	0.000037 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00016	<0.0000577	<0.0000571	<0.0000566	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00044	<0.0000481	0.0000883 J	0.000158 J	<0.0000472	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000095 J	0.000019 J	<0.000014	0.00002 J	<0.000014	0.000076 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00025	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00013	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00019	<0.000125	<0.000124	<0.000123	<0.000123	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00059	<0.000356	<0.000352	<0.000349	<0.000349	<0.000037	<0.000038	0.000076 J	<0.000092	<0.00055	0.000063 J	0.000077 J	<0.000037	<0.00013	<0.00023	0.00015 J	<0.000064
Chrysene	*0.91*	*2*	<0.00024	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00187	<0.000106	<0.000105	<0.000104	<0.000104	<0.00002	<0.00002	<0.00002	0.000064 J	0.000075 J	<0.00002	0.0002	<0.00002	<0.00002	0.000029 J	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00016	<0.0000769	<0.0000762	0.000145 J	0.000116 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000071 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00031	<0.0000673	<0.0000667	0.0000894 J	<0.000066	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000013 J	<0.00001	<0.00001	<0.00001	0.000028 J
Fluorene	*0.98*	*2.9*	<0.00012	<0.0000673	<0.0000667	0.000162 J	<0.000066	<0.00003	0.000054 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000068 J	0.000032 J	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00033	<0.0000962	<0.0000952	<0.0000943	<0.0000943	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00043 J	<0.0000769	<0.0000762	0.000668 J	0.00653	<0.00002	<0.00002	<0.00002	<0.00002	<0.00013	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00014	0.0002
Nitrobenzene	*0.049*	*0.15*	<0.0002	<0.000106	<0.000105	<0.000104	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00096	<0.000587	<0.000581	<0.000575	<0.000575	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00029	<0.0000577	<0.0000571	0.000345 J	<0.0000566	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000056 J	<0.000021	0.000039 J
Phenol	*7.3*	*22*	0.000275 J	<0.0000385	<0.0000381	<0.0000377	<0.0000377	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00033	<0.000106	<0.000105	<0.000104	<0.000104	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00002 J
Metals																			
Arsenic	*0.01*	*0.01*						0.000649 J	0.000706 J	0.000636 J	0.00453	0.00044 J	0.00189 J	0.00369	0.0037	0.00177 J	<0.000872	0.001 J	0.000994 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-60AR 01/12/2023	MW-60AR 07/17/2023	MW-60AR 01/24/2024	MW-60AR 07/30/2024	MW-61A 02/03/2009	MW-61A 01/20/2010	MW-61A 07/01/2010	MW-61A 01/27/2011	MW-61A 07/21/2011	MW-61A 02/07/2012	MW-61A 07/27/2012	MW-61A 04/02/2013	MW-61A 08/01/2013	MW-61A 01/23/2014	MW-61A 08/28/2014	MW-61A 02/08/2018	MW-61A 03/20/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106	<0.000105	<0.000104	<0.00011	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000298	<0.000295	<0.000292	<0.00031	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.000124	<0.000123	<0.00013	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.00041	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673	<0.0000667	<0.000066	<0.00007	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000798	<0.00079	<0.000783	<0.00083	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000538	<0.000533	<0.000528	<0.00056	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	0.00017 J	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577	<0.0000571	<0.0000566	<0.00006	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000029 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000481	<0.0000476	<0.000434	<0.00005	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.000124	<0.000123	<0.00013	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	0.0017	<0.002	<0.0021	<0.0002	0.00023	0.00038	0.00027	<0.000356	<0.000352	0.00163 J	0.000536 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	0.011	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000106	<0.000105	<0.000827	<0.00011	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673	<0.0000667	0.0000806 J	<0.00007	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	0.00011 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673	<0.0000667	<0.000066	<0.00007	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962	<0.0000952	<0.0000943	<0.0001	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	0.00012	<0.00002	0.000084 J	0.0066	<0.0001	<0.00018	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00012	<0.000668	<0.00008	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106	<0.000105	<0.000104	<0.00011	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00032	<0.00008	<0.00005	<0.00005	<0.00005	<0.000587	<0.000581	<0.000575	<0.00061	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.00021	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00016 J	<0.0000577	0.0000586 J	<0.00046	<0.00006	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000385	<0.0000381	<0.0000377	<0.00004	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000106	<0.000105	<0.000104	<0.00011	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	<0.00165	0.00141 J	0.00105 J	0.000883 J												0.000743 J	0.00116 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-61A 05/25/2018	MW-61A 01/23/2019	MW-61A 07/17/2019	MW-61A 01/16/2020	MW-61A 07/20/2020	MW-61A 01/27/2021	MW-61A 07/19/2021	MW-61A 01/12/2022	MW-61A 07/22/2022	MW-61A 01/25/2023	MW-61A 07/13/2023	MW-61A 02/06/2024	MW-61A 07/31/2024	MW-62B 02/04/2009	MW-62B 01/21/2010	MW-62B 07/14/2010	MW-62B 01/27/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00071 J	<0.0005	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002												
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042 J	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00012 J	0.0016	0.00064	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.000027 J	<0.000027	<0.000027	<0.000052	<0.000027	<0.000027	0.000097 J	<0.000027	0.000047 J	<0.000027	<0.000027	<0.000027	<0.000027	0.0078	0.039	0.00041	<0.00009
Acenaphthylene	*1.5*	*4.4*	0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006	0.00066	<0.00007	<0.00007
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	0.000024 J	<0.000014	0.000035 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00024	0.0011	<0.00007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000047 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000054 J	<0.000037	<0.00037	0.000081 J	0.0003	<0.0002	0.000082 J	0.00011 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00041	<0.00098	0.0016	0.00022
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000063	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000056 J	<0.00002	<0.00002	0.000055 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00065	<0.00007	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0024	0.013	0.00034	<0.00008
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00006	0.00004 J	<0.00001	0.00013	0.00003 J	0.00002 J	<0.00001	0.00006 J	<0.00001	<0.00001	0.00012 J	0.0011	<0.00007	0.00014 J
Fluorene	*0.98*	*2.9*	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000073 J	<0.00003	<0.00003	<0.00003	0.000054 J	<0.00003	<0.00003	0.0012	0.015	0.00016 J	<0.00007
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.00015 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00021	<0.000073	<0.00002	0.00008 J	<0.00002	<0.000061	<0.00002	0.00018	<0.00002	0.000085 J	0.0027	0.00028	0.0096	<0.0001
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.0001	0.000069 J	<0.000021	0.0001	<0.000021	<0.000027	<0.000021	0.00014	<0.000021	<0.000021	0.00087	0.0025	0.00025	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000059	0.000028 J	<0.000019	0.00014	<0.000019	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.00007	0.00047	<0.00007	0.000077 J
Metals																			
Arsenic	*0.01*	*0.01*	0.00172 J	0.00069 J	0.00117 J	0.00107 J	0.000524 J	0.000739 J	<0.0004	0.000598 J	<0.0004	0.00207	0.000511 J	0.00119 J	0.00268				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-62B 07/27/2011	MW-62B 08/25/2011	MW-62B 02/08/2012	MW-62B 07/26/2012	MW-62B 02/11/2013	MW-62B 08/02/2013	MW-62B 01/29/2014	MW-62B 07/29/2014	MW-62B 01/24/2018	MW-62B 03/20/2018	MW-62B 05/24/2018	MW-62B 01/23/2019	MW-62B 07/16/2019	MW-62B 01/27/2020	MW-62B 07/16/2020	MW-62B 01/28/2021	MW-62B 07/28/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001		<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.0043 J		<0.001	0.002 J	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	0.0021	<0.0002	<0.0002	<0.0002	0.0022	<0.0002	0.0012
Chlorobenzene	*0.1*	*0.1*	<0.001		<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.041		<0.0011	0.0021 J	<0.00011	<0.00011	<0.00011	<0.00011	<0.0003	<0.0003	0.013	<0.0003	<0.0003	<0.0003	0.018	<0.0003	0.0071
Methylene chloride	*0.005*	*0.005*	<0.0013		<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0095		<0.001	0.0012 J	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002	<0.0002	0.003	<0.0002	<0.0002	<0.0002	0.0052	<0.0002	0.0018
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.025		<0.0031	0.0053 J	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003	<0.0003	0.014	<0.0003	<0.0003	<0.0003	0.023	<0.0003	0.0077
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005		<0.00005	<0.00005	<0.0001	<0.000105	<0.000104	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005		<0.00005	<0.00005	<0.000282	<0.000295	<0.000292	<0.000307	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00013 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005		<0.00005	<0.00005	<0.000118	<0.000124	<0.000123	<0.000129	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006		<0.00006	<0.00006	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00016 J	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005		<0.00005	<0.00006	<0.000174	<0.0000667	<0.000066	<0.0000693	<0.000019	<0.000019	0.00011	<0.000019	0.000096 J	0.00011	0.00058	<0.000019	0.00027
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008		<0.00008	<0.00008	<0.000755	<0.00079	<0.000783	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005		<0.00005	<0.00005	<0.000509	<0.000533	<0.000528	<0.000554	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.21		0.026	0.085	0.000242 J	<0.0000762	<0.0000755	0.000235 J	0.00006 J	0.023	0.11	<0.000027	0.000099 J	0.04	0.064	0.016	0.054
Acenaphthylene	*1.5*	*4.4*	0.0026		0.0013	0.00084	0.000112 J	<0.0000571	<0.0000566	<0.0000594	0.000061 J	0.00063	0.0013	<0.000015	<0.000015	0.00029	0.00086	0.00076	0.0005
Anthracene	*7.3*	*22*	0.013		<0.00005	0.0032	0.000723	<0.0000476	<0.0000472	0.0000699 J	0.00036	0.00051	0.0044	<0.000014	<0.000014	0.00096	0.0034	0.0002	0.002
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000024 J	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005		<0.00005	<0.00005	<0.000118	<0.000124	<0.000123	<0.000129	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00042		<0.00029	0.00013 J	<0.000336	<0.000352	<0.000349	<0.000366	0.00026	0.00018 J	0.00013 J	<0.000037	<0.000037	0.000095 J	<0.00011	<0.00011	<0.000037
Chrysene	*0.91*	*2*	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000027 J	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005		<0.00005	<0.000078	<0.0001	0.000107 J	<0.000104	<0.000109	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00014 J	<0.00002	0.00023	<0.00002
Dibenzofuran	*0.098*	*0.29*	**0.15**	**0.23**	0.00012 J	0.038	0.000174 J	<0.0000762	<0.0000755	0.0000916 J	<0.00002	0.0031	0.048	<0.00002	0.000048 J	0.0042	0.038	0.0013	0.021
Fluoranthene	*0.98*	*2.9*	0.0079		0.00053	0.004	0.00033 J	<0.0000667	<0.000066	<0.0000693	0.00052	0.0015	0.0041	<0.00001	0.000017 J	0.002	0.0035	0.0013	0.0026
Fluorene	*0.98*	*2.9*	0.058		0.0002	0.0087 J	<0.0000636	<0.0000667	<0.000066	0.000126 J	0.00015	0.0047	0.034	<0.00003	0.000036 J	0.011	0.03	0.0015	0.02
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005		<0.00005	<0.00005	<0.0000909	<0.0000952	<0.0000943	<0.000099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.035		<0.00021	0.0056	<0.00129	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002	0.038	<0.00002	0.00028	0.001	0.092	<0.00013	0.069
Nitrobenzene	*0.049*	*0.15*	<0.00005		<0.00005	<0.00005	<0.0001	<0.000105	<0.000104	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.00041
Pentachlorophenol	*0.001*	*0.001*	<0.00005		<0.00005	<0.00005	<0.000555	<0.000581	<0.000575	<0.000604	<0.000079	0.00033	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.035		0.00014 J	0.0026	<0.000472	<0.0000571	<0.0000566	<0.000144	<0.000021	0.00023	0.0083	<0.000021	0.000021 J	0.00087	0.0089	<0.000021	0.0017
Phenol	*7.3*	*22*	<0.00005		0.000053 J	<0.00005	<0.0000364	<0.0000381	<0.0000377	<0.0000396	<0.000035	<0.000035	<0.000035	<0.000035	0.00056	<0.000035	<0.000035	<0.000092	<0.000035
Pyrene	*0.73*	*2.2*	0.0033		0.00037	0.0021	0.000387 J	<0.000105	<0.000104	<0.000109	0.00039	0.00077	0.002	<0.000019	<0.000019	0.0013	0.0016	0.00082	0.0014
Metals																			
Arsenic	*0.01*	*0.01*									0.00842	**0.0173**	**0.028**	<0.0004	0.00194 J	**0.0161**	**0.0285**	**0.0163**	**0.0219**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-62B 01/24/2022	MW-62B 07/13/2022	MW-62B 01/18/2023	MW-62B 07/10/2023	MW-62B 01/21/2024	MW-62B 09/04/2024	MW-64A 02/04/2009	MW-64A 01/21/2010	MW-64A 07/14/2010	MW-64A 01/27/2011	MW-64A 07/27/2011	MW-64A 02/08/2012	MW-64A 07/25/2012	MW-64A 04/01/2013	MW-64A 08/06/2013	MW-64A 01/29/2014	MW-64A 07/29/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	0.0027	<0.0002	<0.0002	<0.0002	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	0.000154 J	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0075	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.02	<0.0003	<0.0003	<0.0003	<0.0075	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.025**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015
Toluene	*1*	*1*	<0.0002	0.0057	<0.0002	<0.0002	<0.0002	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	0.025	<0.0003	<0.0003	<0.0003	<0.0075	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	**<0.0021**	<0.000021	<0.000021	<0.000021	<0.00021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000104	<0.000108
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000298	<0.00031	<0.000292	<0.000304
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	**<0.0058**	<0.000058	<0.000058	<0.000058	<0.00058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000123	<0.000127
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	**<0.0042**	<0.000042	<0.000042	<0.000042	<0.00042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000769	<0.00008	<0.0000755	<0.0000784
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.0021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.0019	<0.000019	<0.000019	<0.000019	0.0038	0.00014 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000053 J	<0.00005	<0.0000673	<0.00007	<0.000066	<0.0000686
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000798	<0.00083	<0.000783	<0.000814
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.0047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000538	<0.00056	<0.000528	<0.000549
Acenaphthene	*1.5*	*4.4*	<0.000027	0.084	<0.000027	<0.000027	<0.000027	0.078	0.00029	<0.00009	<0.00009	<0.00009	<0.00005	0.0096	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.0015	<0.000015	<0.000015	<0.000015	0.0011	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	0.0005	<0.00005	<0.0000577	<0.00006	<0.0000566	<0.0000588
Anthracene	*7.3*	*22*	<0.000014	0.0037 J	<0.000014	<0.000014	<0.000014	0.0038	0.00016 J	<0.00007	<0.00007	<0.00007	0.00036	<0.00005	<0.00005	0.000158 J	<0.00005	<0.0000472	0.000127 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	**<0.002**	<0.00002	<0.00002	<0.00002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	**<0.003**	<0.00003	<0.00003	<0.00003	<0.0003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000123	<0.000127
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.0037	<0.000037	0.00007 J	<0.000037	<0.00037	0.0004	<0.0016	0.002	0.00049	0.00076	<0.00013	0.00021	<0.000356	<0.00037	<0.000349	<0.000363
Chrysene	*0.91*	*2*	<0.000021	<0.0021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.002	<0.00002	0.00044	<0.00002	<0.0002	0.02	<0.00007	<0.00007	<0.00007	0.000079 J	<0.00005	0.000084 J	<0.000106	<0.00011	0.000117 J	<0.000108
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.045	<0.00002	<0.00002	<0.00002	0.05	0.00012 J	<0.00008	<0.00008	<0.00008	0.0013	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.0041	<0.00001	<0.00001	<0.00001	0.003	0.00076	<0.00007	<0.00007	<0.00007	0.00057	0.00021	<0.00005	<0.0000673	<0.00007	<0.000066	<0.0000686
Fluorene	*0.98*	*2.9*	<0.00003	0.036	<0.00003	<0.00003	<0.00003	0.038	0.00018 J	<0.00007	<0.00007	<0.00007	<0.00005	0.00012 J	<0.00005	<0.0000673	<0.00007	<0.000066	<0.0000686
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.0025	<0.000025	<0.000025	<0.000025	0.0021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962	<0.0001	<0.0000943	<0.000098
Naphthalene	*0.49*	*1.5*	<0.00002	0.23	0.00012	0.000079 J	0.00022	0.13	0.00092	<0.0001	<0.0001	<0.0001	<0.00005	<0.00063	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.000317
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.0024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000104	<0.000108
Pentachlorophenol	*0.001*	*0.001*	<0.000079	**<0.0079**	<0.000079	<0.000079	<0.000079	<0.00079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000587	<0.00061	<0.000575	<0.000598
Phenanthrene	*0.73*	*2.2*	<0.000021	0.012	<0.000021	<0.000021	<0.000021	0.022	0.00055	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577	<0.00006	<0.0000566	<0.0000588
Phenol	*7.3*	*22*	<0.000035	<0.0035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00007	<0.00007	<0.00007	<0.00007	0.000077 J	<0.00005	<0.00005	<0.0000385	<0.00004	<0.0000377	<0.0000392
Pyrene	*0.73*	*2.2*	<0.000019	<0.0019	<0.000019	<0.000019	<0.000019	0.0013	0.00063	<0.00007	<0.00007	<0.00007	0.00042	0.00013 J	<0.00005	<0.000106	<0.00011	<0.000104	<0.000108
Metals																			
Arsenic	*0.01*	*0.01*	0.00104 J	**0.0418**	0.0022	0.000558 J	0.00119 J	**0.0388**											

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-64A 01/31/2018	MW-64A 03/25/2018	MW-64A 05/31/2018	MW-64A 01/23/2019	MW-64A 07/11/2019	MW-64A 01/27/2020	MW-64A 07/15/2020	MW-64A 02/02/2021	MW-64A 07/28/2021	MW-64A 01/25/2022	MW-64A 07/13/2022	MW-64A 01/18/2023	MW-64A 07/10/2023	MW-64A 01/21/2024	MW-64A 09/04/2024	MW-65D 02/05/2009	MW-65D 01/21/2010
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00095 J	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014 J	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00037	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019	0.00012 J	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	0.035	<0.000027	<0.000027	0.0003	0.00016	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00019 J	<0.00009
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00086	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006	<0.00007
Anthracene	*7.3*	*22*	<0.000014	0.00056	<0.000014	<0.000014	<0.000014	0.000096 J	0.000082 J	<0.000014	<0.000014	<0.000014	0.000034 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000078 J	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	<0.000037	0.00023	<0.000037	<0.000037	0.00031	0.0006	<0.00011	<0.000037	<0.000037	0.00046	<0.000037	0.000062 J	<0.000037	<0.000037	0.0019	<0.0027
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000023 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000079 J	<0.000075	<0.000079	0.000054 J	<0.00002	0.000025 J	<0.00002	0.00028	<0.00002	<0.00002	0.00029	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.00003 J	0.00038	<0.00002	<0.00002	<0.00002	0.0001 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00016 J	0.00012 J
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00095	<0.00001	<0.00001	<0.00001	0.00028	0.0004	0.00062	0.00046	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0004	0.000097 J	<0.00007
Fluorene	*0.98*	*2.9*	<0.00003	0.0013	<0.00003	<0.00003	0.000031 J	0.000082 J	0.00005 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00016 J	<0.00007
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009
Naphthalene	*0.49*	*1.5*	<0.000094	0.00058	<0.00002	<0.00002	<0.00033	0.002	0.000083 J	<0.00002	0.000091 J	<0.00002	0.000069 J	0.00009 J	<0.00002	0.00014	<0.00002	0.00051	0.00026
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.000032 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000086 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014 J	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00051	<0.000035	<0.000035	<0.000035	0.000073 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	0.0015
Pyrene	*0.73*	*2.2*	<0.000019	0.00059	<0.000019	<0.000019	0.00015	0.00015	0.00022	0.00033	0.00026	<0.000019	0.000031 J	<0.000019	<0.0000019	<0.000019	0.00029	<0.00007	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	0.000419 J	**0.0117**	0.00111 J	<0.0004	0.00939	0.00126 J	0.0049	0.00131 J	0.0014 J	0.00257	0.00391	0.0022	0.000666 J	0.000854 J	0.00201		

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-65D 07/01/2010	MW-65D 01/26/2011	MW-65D 07/27/2011	MW-65D 02/14/2012	MW-65D 07/23/2012	MW-65D 02/11/2013	MW-65D 08/05/2013	MW-65D 01/21/2014	MW-65D 08/28/2014	MW-65D 02/07/2018	MW-65D 03/26/2018	MW-65D 06/01/2018	MW-65D 01/24/2019	MW-65D 07/31/2019	MW-65D 01/16/2020	MW-65D 07/29/2020	MW-65D 01/26/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	0.0013 J	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																<0.0002	
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0011
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000295	<0.000304	<0.000292	<0.00031	<0.00004	<0.00004	<0.00004	<0.00009	<0.00004	<0.00004	<0.00004	
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000127	<0.000123	<0.00013	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	
2-Methylnaphthalene	*0.098*	*0.29*	0.00014 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667	<0.0000686	0.0000808 J	<0.00007	<0.000019	<0.000019	0.000089 J	0.00016	<0.000019	<0.000019	0.000051 J	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000814	<0.000783	<0.00083	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000549	<0.000528	<0.00056	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	
Acenaphthene	*1.5*	*4.4*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000041 J	
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000588	<0.0000566	<0.00006	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	
Anthracene	*7.3*	*22*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000476	<0.000049	0.0000574 J	<0.00005	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000022 J	
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	0.000058 J	
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000034 J	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000127	<0.000123	<0.00013	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.001	0.001	0.001	<0.00013	<0.00025	0.000593	<0.000363	<0.000349	0.00244	<0.000037	<0.000037	0.0002 J	0.00006 J	0.00016 J	0.00026	0.000073 J	
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00004	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000135 J	0.000148 J	<0.000104	<0.00011	<0.00002	<0.00002	0.000022 J	<0.00002	<0.00002	<0.00002	0.000025 J	
Dibenzofuran	*0.098*	*0.29*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.00002	<0.00002	0.000061 J	0.000039 J	<0.00002	<0.00002	0.000029 J	
Fluoranthene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667	<0.0000686	0.000117 J	<0.00007	<0.00001	<0.00001	0.000013 J	0.000027 J	<0.00001	<0.00001	<0.000048	
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667	<0.0000686	<0.000066	<0.00007	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.000098	<0.0000943	<0.0001	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	
Naphthalene	*0.49*	*1.5*	<0.00059	0.00019 J	<0.00005	<0.00005	<0.000094	<0.0000762	<0.0000784	0.000529 J	0.00071	<0.00002	<0.00002	0.00029	<0.0026	<0.00002	<0.00002	0.00057	
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.00011	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.000598	<0.000575	<0.00061	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	
Phenanthrene	*0.73*	*2.2*	<0.00007	<0.00007	0.000065 J	<0.00005	<0.00005	<0.0000571	0.000093 J	0.000294 J	<0.00006	<0.000021	<0.000021	0.000035 J	<0.000021	<0.000021	<0.000021	<0.000067	
Phenol	*7.3*	*22*	<0.00007	<0.00007	0.000051 J	<0.00005	<0.00005	<0.0000381	<0.0000392	<0.0000377	<0.00004	<0.000035	<0.000035	<0.000035	<0.00019	<0.000035	<0.000035	<0.000035	
Pyrene	*0.73*	*2.2*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.00011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000039	
Metals																			
Arsenic	*0.01*	*0.01*										<0.0004	0.00761	0.00292	0.00202	0.00135 J	0.000507 J	0.00142 J	0.00123 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-65D 07/22/2021	MW-65D 01/26/2022	MW-65D 07/27/2022	MW-65D 02/02/2023	MW-65D 07/14/2023	MW-65D 02/06/2024	MW-66D 02/05/2009	MW-66D 01/20/2010	MW-66D 07/01/2010	MW-66D 07/27/2011	MW-66D 02/14/2012	MW-66D 07/23/2012	MW-66D 04/02/2013	MW-66D 08/05/2013	MW-66D 01/29/2014	MW-66D 08/28/2014	MW-66D 10/03/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000104	<0.000109	<0.000107
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000298	<0.00031	<0.000292	<0.000307	<0.000301
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000123	<0.000129	<0.000126
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000769	<0.00008	<0.0000755	<0.0000792	<0.0000777
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000792	<0.0000777
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00062	<0.00007	<0.00007	<0.00005	<0.00005	0.000085 J	<0.0000673	<0.00007	<0.000066	0.000211 J	<0.000068
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000798	<0.00083	<0.000783	<0.000822	<0.000806
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000538	<0.00056	<0.000528	<0.000554	<0.000544
Acenaphthene	*1.5*	*4.4*	0.000065 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.0004	<0.00009	<0.00009	<0.00005	<0.00005	0.000054 J	<0.0000769	<0.00008	0.000145 J	0.000141 J	<0.0000777
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006	<0.00007	<0.00007	<0.00005	<0.00005	0.000081 J	<0.0000577	<0.00006	<0.0000566	0.000411 J	0.000206 J
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00015 J	<0.00007	<0.00007	0.00022	0.00027	0.00059	<0.0000481	<0.00005	<0.0000472	0.00304	0.00256
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	0.00011 J	0.00012 J	0.00036	<0.0000769	<0.00008	<0.0000755	0.00041 J	0.000245 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	0.00016 J	0.00013 J	**0.00067**	<0.0000769	<0.00008	<0.0000755	**0.000436 J**	**0.000439 J**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000123	<0.000129	<0.000126
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00022	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	**0.0064**	<0.0028	<0.00096	0.0019	<0.0002	0.0032	<0.000356	<0.00037	<0.000349	0.000585	0.000415 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	0.00046	0.00052	0.0018	<0.0000769	<0.00008	<0.0000755	0.00104	0.000582
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00044	0.000086 J	<0.00007	0.000056 J	<0.00005	<0.000078	<0.000106	<0.00011	<0.000104	0.000121 J	<0.000107
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00036	<0.00008	0.000083 J	<0.00005	<0.00005	0.000066 J	<0.0000769	<0.00008	<0.0000755	0.000133 J	<0.0000777
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00026	<0.00007	<0.00007	0.00035	0.00057	0.0019	<0.0000673	<0.00007	<0.000066	0.00116	0.000346 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00033	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673	<0.00007	<0.000066	0.000143 J	<0.000068
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962	<0.0001	<0.0000943	<0.000099	<0.0000971
Naphthalene	*0.49*	*1.5*	<0.00025	<0.00002	<0.00002	0.000027 J	<0.00002	<0.00002	0.0058	<0.0001	<0.0002	<0.00005	<0.00005	<0.0004	<0.0000769	0.0000999 J	0.000367 J	0.00118	<0.0000777
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000104	<0.000109	<0.000107
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	0.000084 J	<0.00005	<0.00005	<0.000587	<0.00061	<0.000575	<0.000604	<0.000592
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00073	0.00012 J	<0.00007	0.00011 J	0.00011 J	0.00058	<0.0000577	<0.00006	0.000132 J	0.000295 J	0.0000729 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000385	<0.00004	<0.0000377	<0.0000396	<0.0000388
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00017 J	<0.00007	<0.00007	0.00036	0.00051	0.0019	<0.000106	<0.00011	<0.000104	0.00118	0.000388 J
Metals																			
Arsenic	*0.01*	*0.01*	0.00145 J	0.00134 J	0.000433 J	0.000402 J	0.00105 J	<0.0004											

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-66D 02/07/2018	MW-66D 03/26/2018	MW-66D 06/01/2018	MW-66D 01/24/2019	MW-66D 07/31/2019	MW-66D 01/16/2020	MW-66D 08/03/2020	MW-66D 01/26/2021	MW-66D 07/22/2021	MW-66D 01/26/2022	MW-66D 07/27/2022	MW-66D 02/03/2023	MW-66D 07/14/2023	MW-66D 02/06/2024	MW-66D 09/06/2024	MW-68A 05/29/2019	MW-68A 05/29/2019 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000095	<0.000019	<0.00003	0.000063 J	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000026 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	<0.000027	<0.000027	0.00024	0.0012	0.0011
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000017 J	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000028 J	0.000094 J	<0.000014	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	0.000057 J	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000053 J	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000025 J	0.00004 J	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	0.00012	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000038	0.00019 J	0.00017 J	0.00022	0.000046 J	0.000058 J	<0.00018	0.00016 J	<0.000037	<0.00037	<0.000037	<0.000037	<0.000037	0.00011 J	0.00015 J	0.000074 J
Chrysene	*0.91*	*2*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000034 J	0.00015	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	0.00018	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000057	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	0.000041 J	0.00087	0.00064
Dibenzofuran	*0.098*	*0.29*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000025 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	0.00022	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000029 J	0.00016	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	<0.00001	0.00027	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	0.00012	0.000044 J	0.000042 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00013	<0.000075	<0.00018	<0.00036	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	0.00047	0.00019	0.00025
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000038	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	0.00017	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035	0.000041 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00003 J	0.00015	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	0.00022	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000711 J	0.00663	0.00223	0.00204	0.00124 J	0.00138 J	**0.0188**	0.00574	0.00146 J	0.0014 J	<0.0004	0.00124 J	0.00113 J	0.000503 J	0.00323	0.00966	0.00894

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-68A 07/18/2019	MW-68A 01/17/2020	MW-68A 07/27/2020	MW-68A 01/18/2021	MW-68A 07/20/2021	MW-68A 01/20/2022	MW-68A 07/19/2022	MW-68A 01/09/2023	MW-68A 07/19/2023	MW-68A 01/22/2024	MW-68A 07/29/2024	MW-68B 02/16/2012	MW-68B 07/16/2012	MW-68B 02/06/2013	MW-68B 08/08/2013	MW-68B 01/22/2014	MW-68B 01/22/2014 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.01**	<0.0002	<0.0002	<0.005	<0.005	**<0.014**	**<0.014**	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	0.00039 J	<0.0002	<0.0002	<0.0002	**<0.01**	<0.0002	<0.0002	**2.7**	**2.4**	**2.35**	**2.88**	**1.5**	**1.51**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0003	<0.005	<0.005	0.0273 J	<0.012	0.000454 J	0.000468 J
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0003	0.45	0.49	0.449	0.55	0.364	0.363
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.05**	<0.001	<0.001	**<0.0065**	**<0.01**	**<0.015**	**0.101**	<0.00022	<0.00022
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.91	0.93	0.701	0.625	0.329	0.329
Vinyl chloride	*0.002*	*0.002*															**<0.011**		
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0003	1.2	1.3	1.04	1.28	0.857	0.862
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021	<0.00005	<0.00025	**<0.00524**	**<0.00519**	**<0.0105**	**<0.0105**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.00023	<0.00004	<0.00004	<0.00004	0.000099 J	<0.00004	<0.0004	<0.0004	<0.00004	0.19	0.27	0.273	<0.0146	**0.536**	0.457 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.000058	<0.00005	<0.00025	**<0.00619**	**<0.00613**	**<0.0124**	**<0.0124**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.000042	<0.00006	<0.0003	**<0.00381**	**<0.00377**	**<0.00762**	**<0.00762**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021	<0.00005	<0.00025	<0.00381	<0.00377	<0.00762	<0.00762
2-Methylnaphthalene	*0.098*	*0.29*	0.00012	0.000048 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.00019	<0.000019	**0.66**	**1.3**	**0.952**	**1.41**	**1.1**	**1.19**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	<0.00008	<0.0004	**<0.0395**	**<0.0392**	**<0.079**	**<0.079**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.000047	<0.00005	<0.00025	<0.0267	<0.0264	**<0.0533**	**<0.0533**
Acenaphthene	*1.5*	*4.4*	0.0019	0.0003	0.00032	0.00061	<0.000027	<0.000027	<0.000027	<0.000027	0.00054 J	<0.00027	0.00046	0.15	0.23	0.261	0.304	0.263	0.26
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.000054 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.00015	<0.000015	0.0023	0.003	<0.00286	<0.00283	<0.00571	<0.00571
Anthracene	*7.3*	*22*	0.000028 J	0.000059 J	<0.000024	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	0.001	<0.000014	0.046	0.034	0.0194 J	0.023 J	0.0428 J	0.0292 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	<0.00005	0.006	0.0054	<0.00381	<0.00377	**0.0123 J**	0.00762 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	**0.0017**	**0.0016**	**<0.00381**	**<0.00377**	**<0.00762**	**<0.00762**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.00003	<0.00005	<0.00025	**<0.00619**	**<0.00613**	**<0.0124**	**<0.0124**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00024	<0.000061	0.000077 J	<0.000037	0.000051 J	0.00015 J	<0.000037	<0.000037	<0.00037	<0.00037	<0.000037	<0.0001	<0.0005	**<0.0176**	**<0.0175**	**<0.0352**	**<0.0352**
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000029	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021	0.0052	0.005	<0.00381	<0.00377	0.00806 J	0.00976 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00015 J	0.000034 J	<0.000046	0.00044	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	<0.00005	<0.00025	<0.00524	<0.00519	<0.0105	<0.0105
Dibenzofuran	*0.098*	*0.29*	0.000082 J	<0.00002	<0.000027	0.000066 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	0.00003 J	**0.19**	**0.3**	**0.26**	**0.325**	**0.284**	**0.276**
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00013	<0.00014	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00032 J	<0.0001	0.000041 J	0.05	0.044	<0.00333	0.00764 J	0.052	0.0357 J
Fluorene	*0.98*	*2.9*	0.00012	0.000069 J	<0.000041	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	0.00004 J	0.096	0.13	0.118	0.154	0.149	0.143
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.000025	0.0011	<0.00025	<0.00476	<0.00472	<0.00952	<0.00952
Naphthalene	*0.49*	*1.5*	0.00035	<0.00022	<0.000029	<0.00002	<0.00002	<0.00002	<0.000035	<0.00002	<0.0002	0.0011	0.000091 J	**14**	**26**	**11.8**	**31.2**	**17**	**17.6**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.000024	<0.00005	<0.00025	<0.00524	<0.00519	<0.0105	<0.0105
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.000079	<0.00005	<0.00025	**<0.029**	**<0.0288**	**<0.0581**	**<0.0581**
Phenanthrene	*0.73*	*2.2*	0.000062 J	0.00016	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.0024	<0.000021	0.19	0.24	0.12	0.136	0.263	0.196
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00035	<0.000035	0.035	0.058	0.0421	0.0795	0.0862	0.0929
Pyrene	*0.73*	*2.2*	<0.000019	0.000068 J	<0.000072	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.00019	0.000049 J	0.031	0.024	<0.00524	<0.00519	0.0341 J	0.0227 J
Metals																			
Arsenic	*0.01*	*0.01*	**0.0353**	**0.0423**	**0.0825**	**0.0603**	**0.0468**	**0.129**	**0.0359**	**0.0456**	**0.0918**	0.0083	**0.0727**						

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-68B 07/24/2014	MW-68B 07/24/2014 Duplicate	MW-68B 01/29/2018	MW-68B 01/29/2018 Duplicate	MW-68B 03/21/2018	MW-68B 03/21/2018 Duplicate	MW-68B 06/06/2018	MW-68B 06/06/2018 Duplicate	MW-68B 01/15/2019	MW-68B 01/15/2019 Duplicate	MW-68B 07/18/2019	MW-68B 07/18/2019 Duplicate	MW-68B 01/23/2020 DNAPL	MW-68B 07/27/2020	MW-68B 07/27/2020 Duplicate	MW-68B 01/18/2021	MW-68B 07/21/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0028	<0.0028	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.005	<0.001	<0.001	<0.0002	<0.001
Benzene	*0.005*	*0.005*	**2.18**	**2.1**	**2.1**	**2.2**	**1.4**	**1.4**	**1.9**	**2**	**2**	**1.9**	**1.4**	**1.4**	**1.4**	**2.3**	**2.3**	**0.15**	**0.81**
Chlorobenzene	*0.1*	*0.1*	<0.0024	<0.0024	<0.0015	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	0.00056 J	0.00056 J	<0.003	<0.003	<0.0075	<0.0015	<0.0015	<0.0003	<0.0015
Ethylbenzene	*0.7*	*0.7*	0.403	0.453	0.61	0.56	0.29	0.28	0.5	0.5	0.5	0.49	0.52	0.51	0.39	0.55	0.57	0.17	0.31
Methylene chloride	*0.005*	*0.005*	<0.003	<0.003	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	**<0.01**	**<0.025**	<0.005	<0.005	<0.001	<0.005
Toluene	*1*	*1*	0.538	0.57	0.45	0.42	0.2	0.19	0.45	0.44	0.086	0.084	0.37	0.37	0.23	0.7	0.7	0.12	0.33
Vinyl chloride	*0.002*	*0.002*	**0.007 J**	**0.0022 J**											**<0.005**				
Xylenes (total)	*10*	*10*	1.08	1.22	1.6	1.5	0.83	0.84	1.4	1.4	1.2	1.2	1.5	1.4	1.1	1.5	1.5	0.55	0.1
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0055**	**<0.00529**	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	0.0008	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.445	0.451	0.051 J	0.071 J	0.07	0.065	0.075 J	0.23 J	0.05	0.058	0.076	0.076	0.075	0.018 J	0.025 J	0.0032	0.4
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0065**	**<0.00625**	<0.00058	<0.00058	<0.00059	<0.00059	<0.00058	<0.00058	<0.00058	0.0013 J	<0.00058	<0.00058	<0.000058	<0.00058	<0.00058	0.00016 J	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.004**	**<0.00385**	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.00042	<0.00042	0.000057 J	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.004	<0.00385	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	0.000065 J	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.852**	**0.906**	**0.6**	**0.6**	**0.67**	**0.67**	**1.4**	**1.3**	**0.33**	**0.31**	**0.72**	**0.66**	**1.1 J**	**2.9 J**	**0.63 J**	**0.21**	**0.3**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0415**	**<0.0399**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011 J	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	0.00015 J	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.028	<0.0269	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	0.0074 J	<0.00047	<0.00047	<0.000047	<0.00047	<0.00047	0.0028	<0.00047
Acenaphthene	*1.5*	*4.4*	0.178	0.181	0.13	0.15	0.21	0.22	0.34	0.36	0.1	0.13	0.2	0.17	0.44	1	0.23	0.069	0.1
Acenaphthylene	*1.5*	*4.4*	<0.003	<0.00288	0.002	0.0024	0.0021	0.0016	0.0022	0.0029	0.0012	0.0014	0.0027	0.0022	0.0037	<0.00015	0.0025 J	0.00094	<0.00015
Anthracene	*7.3*	*22*	0.0169 J	0.0162 J	0.014	0.014	0.014	0.012	0.015	0.021	0.008	0.0098	0.03 J	0.022 J	0.15	0.5 J	0.061 J	0.0077	0.99
Benzo(a)anthracene	*0.0091*	*0.02*	<0.004	<0.00385	<0.0005	<0.0005	<0.00051	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	0.0051 J	0.003 J	**0.047**	**0.14 J**	**0.015 J**	0.0012	**0.29**
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.004**	**<0.00385**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0018**	**0.0012**	**0.0089**	**0.039 J**	**0.0046 J**	**0.00051**	**0.093**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0065**	**<0.00625**	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	**0.0036**	<0.0003	<0.0003	<0.00003	<0.0003	<0.0003	**0.0017**	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.0185**	**<0.0178**	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	0.0011	<0.00037	<0.00037	<0.00011	<0.00037
Chrysene	*0.91*	*2*	<0.004	<0.00385	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	0.005 J	0.0029 J	0.04	0.099 J	0.012 J	0.0012	0.25
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0055	<0.00529	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00018 J	<0.0002	<0.0002	<0.0001	<0.0002
Dibenzofuran	*0.098*	*0.29*	**0.198**	**0.196**	**0.16**	**0.16**	**0.24**	**0.25**	**0.38**	**0.38**	**0.1**	**0.12**	**0.21**	**0.18**	**0.5**	**1.3 J**	**0.27 J**	0.069	**0.2**
Fluoranthene	*0.98*	*2.9*	0.00825 J	0.00751 J	0.0052	0.0049	0.006	0.005	0.0063	0.0088	0.0031	0.0039	0.043 J	0.027 J	0.31	**1 J**	0.11 J	0.0099	0.5
Fluorene	*0.98*	*2.9*	0.0966	0.0953	0.082	0.086	0.092	0.078	0.082 J	0.18 J	0.057	0.065	0.11	0.083	0.32	0.8 J	0.17 J	0.04	0
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.005	<0.00481	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	0.0051	<0.00025	<0.00025	<0.000025	<0.00025	<0.00025	0.00029	<0.00025
Naphthalene	*0.49*	*1.5*	**10.5**	**12.6**	**9.2**	**10**	**12**	**13**	**23**	**23**	**5**	**3.8**	**9.6**	**9.9**	**12**	**29 J**	**13 J**	**0.8**	0
Nitrobenzene	*0.049*	*0.15*	<0.0055	<0.00529	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.00024	<0.00024	0.00054	<0.00024
Pentachlorophenol	*0.001*	*0.001*	**<0.0305**	**<0.0293**	<0.00079	<0.00079	<0.0008	<0.0008	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.000079	<0.00079	<0.00079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.106	0.103	0.099	0.098	0.15	0.088	0.096 J	0.22 J	0.065	0.073	0.21	0.16	**0.95**	**3.1 J**	0.39 J	0.067	0.3
Phenol	*7.3*	*22*	0.00988 J	0.00192 J	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	0.0019 J	0.0015 J	<0.00035	<0.00035	<0.000035	<0.00035	<0.00035	0.02	0.047
Pyrene	*0.73*	*2.2*	<0.0055	<0.00529	0.0025	0.0024	0.0032	0.0029	0.0045 J	0.0058 J	0.0015	0.0018	0.025 J	0.015 J	0.19	0.61 J	0.065 J	0.0063	0.6
Metals																			
Arsenic	*0.01*	*0.01*			**0.0114**	**0.0117**	**0.014**	**0.0151**	**0.0112**	**0.0107**	**0.0123**	**0.0125**	**0.0134**	**0.0129**	0.00944 J	**0.0113**	**0.0119**	0.00396	0.00858

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-68B 01/13/2022	MW-68B 07/19/2022	MW-68B 01/09/2023	MW-68B 07/19/2023	MW-68B 01/22/2024	MW-68B 03/22/2024	MW-68B 07/29/2024	MW-68C 07/15/2010	MW-68C 01/25/2011	MW-68C 07/21/2011	MW-68C 02/16/2012	MW-68C 07/17/2012	MW-68C 02/06/2013	MW-68C 08/07/2013	MW-68C 01/22/2014	MW-68C 07/24/2014	MW-68C 08/28/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0002	<0.0002	<0.0002	**<0.01**	<0.005	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.00014
Benzene	*0.005*	*0.005*	**0.071**	**0.13**	**1.7**	**2.4**	**0.85**	**0.49**	**0.064**	0.00081 J	0.0021 J	0.0032 J	**0.0069**	**0.0079**	0.00134	0.00364	0.00225	**0.0073**	0.00118
Chlorobenzene	*0.1*	*0.1*	<0.0015	<0.0003	<0.0003	<0.0003	<0.015	<0.0075	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.000352	<0.00012	<0.00018	<0.00012	<0.00012
Ethylbenzene	*0.7*	*0.7*	0.081	0.066	0.52	0.54	0.47	0.24	0.06	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	0.000363 J	0.000517 J	0.00024 J	0.000419 J	0.00014 J
Methylene chloride	*0.005*	*0.005*	<0.005	<0.001	<0.001	<0.001	**<0.05**	**<0.025**	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.00015
Toluene	*1*	*1*	0.046	0.046	0.5	0.68	<0.33	0.17	0.027	<0.0005	0.00067 J	0.0011 J	0.0019 J	0.0023 J	0.000632 J	<0.0016	0.00059	0.00138	0.000442 J
Vinyl chloride	*0.002*	*0.002*						**<0.005**										<0.00011	<0.00011
Xylenes (total)	*10*	*10*	0.48	0.4	1.3	1.4	1.3	0.63	0.16	<0.001	<0.001	<0.0031	<0.0031	<0.0015	0.000873 J	0.000879 J	<0.00058	0.000649 J	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	**<0.0021**	<0.00021	**<0.01**	<0.00021	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000104	
2,4-Dimethylphenol	*0.49*	*1.5*	0.021	0.046	0.031	0.0064	<0.02	<0.0004	<0.0004	<0.00008	0.00012 J	0.00031	0.00095	0.0014	**R**	<0.000292	0.000454 J	<0.000292	
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	**<0.0058**	<0.00058	**<0.029**	<0.00058	<0.00058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000123	
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	**<0.0042**	<0.00042	**<0.021**	<0.00042	<0.00042	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000755	<0.0000762	<0.0000755	
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.0021	<0.00021	<0.01	<0.00021	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000755	
2-Methylnaphthalene	*0.098*	*0.29*	**0.29**	**0.69**	**0.6**	**0.22**	**240**	**0.26**	0.0074	<0.00007	0.00016 J	0.00024	<0.00011	0.0025	0.00132	0.000301 J	0.00331	0.000188 J	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.002	<0.0002	**<0.01**	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000783	<0.00079	<0.000783	
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.0047	<0.00047	<0.024	<0.00047	<0.00047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**R**	<0.000528	<0.000533	<0.000528	
Acenaphthene	*1.5*	*4.4*	0.12	0.25	0.12	0.065	**79**	0.064	0.048	<0.00009	<0.00009	0.00013 J	<0.00005	0.0013	0.000647	<0.0000755	0.00183	0.000235 J	
Acenaphthylene	*1.5*	*4.4*	0.001	0.0025	<0.0015	0.00097 J	<0.0075	<0.00015	<0.00015	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000571	<0.0000566	
Anthracene	*7.3*	*22*	0.053	0.055	0.055	0.022	**51**	0.015	0.008	<0.00007	<0.00007	<0.00005	<0.00005	0.00089	<0.0000476	<0.0000472	0.00106	<0.0000472	
Benzo(a)anthracene	*0.0091*	*0.02*	0.0012	**0.011**	<0.005	0.0063	**12**	0.0038	0.0027	<0.00007	<0.00007	<0.00005	<0.00005	0.00018 J	<0.0000762	<0.0000755	0.000276 J	<0.0000755	
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00069 J**	**0.0032**	**<0.002**	**0.0019**	**3.4**	**0.0011**	**0.0009 J**	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	0.000171 J	<0.0000755	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	**<0.003**	<0.0003	**<0.015**	<0.0003	<0.0003	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000123	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	<0.0037	<0.00037	**<0.018**	<0.00037	<0.00037	0.00098	0.006	0.001	<0.0015	0.0018	0.000637	0.00157 J	<0.000352	<0.000349	
Chrysene	*0.91*	*2*	0.004	0.01	<0.0021	0.0053	**10**	0.0032	0.0025	<0.00007	<0.00007	<0.00005	<0.00005	0.00016 J	<0.0000762	<0.0000755	0.000301 J	<0.0000755	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.002	<0.0002	<0.01	<0.0002	<0.0002	<0.00007	<0.00007	<0.00005	<0.00005	0.00011 J	<0.000105	<0.000104	<0.000105	<0.000104	
Dibenzofuran	*0.098*	*0.29*	**0.12**	**0.28**	**0.17**	0.086	**110**	0.069	0.053	<0.00008	<0.00008	0.0002 J	<0.000078	0.0018	0.000168 J	<0.0000755	0.00192	0.0000942 J	
Fluoranthene	*0.98*	*2.9*	0.024	0.083	0.05	0.043	**95**	0.024	0.013	<0.00007	<0.00007	<0.00005	<0.00005	0.0016	<0.0000667	<0.000066	0.00233	<0.000066	
Fluorene	*0.98*	*2.9*	0.072	0.18	0.084	0.048	**66**	<0.0003	0.032	<0.00007	<0.00007	0.0001 J	<0.00005	0.0012	0.00034 J	0.000135 J	0.00167	0.000155 J	
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.0025	<0.00025	<0.012	<0.00025	<0.00025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000952	<0.0000943	
Naphthalene	*0.49*	*1.5*	**2.9**	**4.9**	**11**	**2.8**	**970**	**3.4**	<0.0002	0.00083	0.0014	0.0027	<0.0015	0.015	0.0129	0.00643 J	0.0112	0.00274	
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.0024	<0.00024	<0.012	<0.00024	<0.00024	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000104	
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	**<0.0079**	<0.00079	**<0.04**	<0.00079	<0.00079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.000575	<0.000581	<0.000575	
Phenanthrene	*0.73*	*2.2*	0.093	0.4	0.2	0.11	**260**	0.091	0.055	<0.00007	<0.00007	0.00016 J	<0.00005	0.005	0.000499	<0.0000566	0.00585	<0.0000566	
Phenol	*7.3*	*22*	0.0024	0.0021	<0.0035	<0.00035	<0.018	<0.00035	<0.00035	0.0005	0.0039	0.0049	0.0074	0.000062 J	R	<0.0000377	<0.0000381	<0.0000377	
Pyrene	*0.73*	*2.2*	0.015	0.055	0.028	0.025	**55**	0.017	0.0087	<0.00007	<0.00007	<0.00005	<0.00005	0.00086	<0.000105	<0.000104	0.0014	<0.000104	
Metals																			
Arsenic	*0.01*	*0.01*	0.00216	0.00957	0.00942	0.00582	0.00666	0.00101 J	0.00119 J										

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-68C 01/29/2018	MW-68C 03/21/2018	MW-68C 06/06/2018	MW-68C 01/15/2019	MW-68C 07/18/2019	MW-68C 01/17/2020	MW-68C 07/27/2020	MW-68C 01/15/2021	MW-68C 07/13/2021	MW-68C 01/13/2022	MW-68C 07/19/2022	MW-68C 01/09/2023	MW-68C 07/19/2023	MW-68C 01/22/2024	MW-68C 07/26/2024	MW-69A 07/15/2010	MW-69A 01/19/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	0.0028	0.0049	<0.0002	<0.0002	<0.0002	0.00056 J	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00047 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*															<0.0002		
Xylenes (total)	*10*	*10*	<0.0003	0.00046 J	<0.0003	0.0011	<0.0003	0.00062 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.0015	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00045	<0.00004	0.0012	<0.00004	<0.00004	<0.0004	<0.00004	0.000049 J	0.0036	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	0.0012	<0.000042	<0.000042	<0.000042	0.00055	<0.00042	<0.000042	<0.000042	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00014	<0.000019	<0.000077	0.000072 J	0.00033	<0.00013	<0.000019	<0.000019	0.00039	0.000079 J	0.00023	<0.00019	0.0015	0.000041 J	0.0038	0.000074 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00017	<0.000027	<0.000027	0.00012	0.000036 J	0.00038	<0.000027	0.000084 J	0.0004	<0.000027	<0.000027	<0.00027	0.001	0.000055 J	0.0037	0.00025
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	0.000053 J	0.000023 J	0.000074 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.00007	<0.00007
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000036 J	0.00071	0.000061 J	<0.000014	0.00051	<0.000014	<0.000014	<0.00014	0.00021	0.000068 J	0.00039	0.00024
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	0.000055 J	<0.00039	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	0.00049	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000063 J	<0.00014	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	0.00013 J	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00015 J	<0.000037	<0.00056	<0.000044	0.00032	0.00029	0.00016 J	0.00053	<0.00024	<0.000037	0.000091 J	0.000089 J	<0.00037	<0.000037	<0.000037	0.0059	0.00081
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000054 J	<0.0003	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	0.00032	0.00011 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.0001 J	<0.00002	0.000067 J	<0.00002	<0.000021	<0.000034	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.000066 J	0.000064 J	0.00003 J	0.00042	<0.00002	<0.00002	<0.00037	<0.00002	<0.00002	<0.0002	0.00052	0.000061 J	0.003	0.00022
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.00021	<0.00001	<0.00001	0.000074 J	0.0019	<0.00001	<0.00001	0.00023	0.00003 J	<0.00001	<0.0001	0.00029	0.00013	0.0025	0.00057
Fluorene	*0.98*	*2.9*	<0.00003	0.00012	<0.00003	0.000057 J	0.000051 J	0.000036 J	0.00047	<0.00003	<0.00003	0.00036	<0.00003	<0.000072	<0.0003	0.00034	0.000079 J	0.0033	0.00036
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00009	<0.00009
Naphthalene	*0.49*	*1.5*	0.00088	0.0032	0.00035	<0.00079	0.0011	<0.00052	<0.00066	<0.00002	<0.00002	0.0051	<0.00034	0.0024	<0.0002	0.011	0.00017	0.026	0.00011 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	0.0001	<0.000021	0.000062 J	<0.000021	0.000042 J	0.0024	<0.000021	<0.000021	0.00043	0.000082 J	<0.000021	<0.00021	0.00085	0.00031	0.0083	0.0012
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	0.00026	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	0.0069	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00015	<0.000019	<0.000019	0.000092 J	0.0013	<0.000019	<0.000019	0.00014	0.000035 J	<0.000019	<0.00019	0.00017	0.000083 J	0.0022	0.00037
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	0.000618 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.000406 J	<0.0004	0.000403 J	0.000587 J	0.000922 J	<0.0004	0.00131 J	0.000608 J		

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-69A 07/21/2011	MW-69A 02/08/2012	MW-69A 07/24/2012	MW-69A 02/07/2013	MW-69A 08/06/2013	MW-69A 01/24/2014	MW-69A 07/16/2014	MW-69A 01/28/2018	MW-69A 03/20/2018	MW-69A 05/24/2018	MW-69A 01/10/2019	MW-69A 07/17/2019	MW-69A 07/21/2020	MW-69A 01/21/2021	MW-69A 07/19/2021	MW-69A 01/12/2022	MW-69A 03/10/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Benzene	*0.005*	*0.005*	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003 J	<0.0002	
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Toluene	*1*	*1*	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Vinyl chloride	*0.002*	*0.002*	<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002				
Xylenes (total)	*10*	*10*	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000106	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	0.000078 J	<0.000295	<0.00031	<0.000298	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00018 J	<0.00004	<0.00004	0.026	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000125	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	<0.0000769	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	<0.00005	0.0009	<0.0000667	<0.00007	<0.0000673	<0.000066	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00016	0.024	0.0014
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00079	<0.00083	<0.000798	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0021	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	<0.000538	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	<0.00005	0.00082	<0.0000762	<0.00008	<0.0000769	<0.0000755	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00011	0.019	0.00065
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000571	<0.00006	<0.0000577	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.00005	0.00047	<0.0000476	<0.00005	0.000497	<0.0000472	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000019 J	<0.000014	0.0085	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0033	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**0.00085 J**	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000125	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00086	<0.00018	<0.0003	<0.000352	<0.00037	<0.000356	<0.000349	0.00028	0.00038	0.00025	<0.000037	<0.00034	0.000063 J	<0.00013	0.000054 J	<0.00037	0.000037 J
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.003	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000069 J	<0.00005	<0.00005	<0.000105	<0.00011	<0.000855	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000029	<0.00002	<0.0002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.00005	0.00071	<0.0000762	<0.00008	<0.0000769	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.016	0.000021 J
Fluoranthene	*0.98*	*2.9*	0.000059 J	<0.00005	0.00045	<0.0000667	<0.00007	<0.0000673	<0.000066	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001 J	0.000034 J	0.021	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	<0.00005	0.00085	<0.0000667	<0.00007	<0.0000673	<0.000066	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000035 J	0.018	0.00027
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0001	<0.0000962	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00005	<0.00029	<0.004	<0.000142	<0.00008	<0.000713	<0.000155	<0.00019	<0.00002	0.00008 J	<0.00002	<0.000078	0.00019	<0.00012	0.0001	0.13	0.000079 J
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000106	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000581	<0.00061	<0.000587	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.00005	0.0022	<0.0000571	<0.00006	<0.00039	<0.0000566	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000023 J	0.047	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<0.0000381	<0.00004	<0.0000385	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000099 J	<0.000035	<0.000035	0.019	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.00005	0.00033	<0.000105	<0.00011	<0.000106	<0.000104	<0.000019	0.000055 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000027 J	0.013	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*								0.00916	0.0017 J	**0.0142**	0.000717 J	0.000642 J	**0.0278**	0.00174 J	**0.0113**	**0.0189**	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-69A 07/19/2022	MW-69A 01/31/2023	MW-69A 07/17/2023	MW-69A 02/06/2024	MW-69A 07/31/2024	MW-70C 03/12/2020	MW-70C 03/12/2020 Duplicate	MW-70C 05/21/2020	MW-70C 05/21/2020 Duplicate	MW-70C 07/28/2020	MW-70C 08/18/2020	MW-70C 01/27/2021	MW-70C 07/13/2021	MW-70C 01/13/2022	MW-70C 07/21/2022	MW-70C 01/10/2023	MW-70C 07/20/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.01**	**0.0089**	**0.019**	**0.018**	**0.021**		0.00059 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.057	0.052	0.11	0.12	0.11		0.0017	0.0018	0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.034	0.032	0.056	0.06	0.056		0.0013	0.0007 J	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.064	0.061	0.13	0.14	0.11		0.002	0.0012	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000022	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.0018	<0.00004	<0.00004	<0.00004	0.00041	<0.000041	<0.00004	<0.00004		<0.00004	0.00022	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00006	<0.00006	<0.000058	<0.000058		<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000044	<0.000043	<0.000042	<0.000042		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000022	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000083 J	0.00025	<0.000019	<0.000019	0.000035 J	0.067 J	0.098 J	0.05	0.047		<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.000021	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000049	<0.000048	<0.000047	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00012	0.00034	<0.000027	<0.000027	0.000067 J	0.059 J	0.087 J	0.068	0.053		0.00023	<0.000027	0.00015	<0.000027	<0.000027	0.000078 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000016	0.00074	0.00066	0.00048		<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000027 J	0.0001 J	<0.000014	<0.000014	<0.000014	0.0049 J	0.0082 J	0.0035	0.0029		<0.000014	<0.000014	<0.000014	0.000098 J	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00006 J	<0.00005	<0.00005	<0.00005	<0.000052	0.000079 J	<0.00005	<0.00005		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.000021	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.000031	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00012 J	0.00014 J	<0.000037	<0.000037	<0.000037	<0.000039	0.000052 J	<0.000037	<0.000037		<0.000037	<0.00014	<0.000048	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	0.000066 J	<0.000021	<0.000021	<0.000021	<0.000022	0.000061 J	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000061 J	0.0001 J	0.00016 J	0.0001 J		<0.00002	0.000077 J	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.000023 J	0.00017	<0.00002	<0.00002	0.000033 J	0.055 J	0.078 J	0.053	0.046		<0.00002	<0.00002	0.000083 J	<0.00002	<0.00002	0.000096 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.000095 J	0.0003	<0.00001	<0.00001	0.000041 J	0.003 J	0.0053 J	0.0027	0.002		<0.00001	<0.00001	<0.00001	0.00005 J	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.000058 J	0.00022	<0.00003	<0.00003	0.000034 J	0.028 J	0.038 J	0.034	0.027		0.00013	0.000076 J	0.000063 J	0.000076 J	<0.00003	0.000089 J	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000026	<0.000025	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00011	0.0019	<0.00002	<0.00002	0.00013	**1.6 J**	**2.5 J**	**1.1**	**1.2**		<0.00002	<0.00014	0.0025	<0.00034	0.000086 J	0.00018	0.000028 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<0.000025	<0.000024	<0.000024		<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	0.00013 J	<0.000079	<0.000079	<0.000082	<0.000081	<0.000079	<0.000079		<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000075 J	0.00053	<0.000021	<0.000021	0.000053 J	0.04	0.054	0.03	0.026		0.00012	0.00004 J	<0.000021	0.00017	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000036	<0.000035	<0.000035		<0.000035	<0.000084	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.000077 J	0.00019	<0.000019	<0.000019	0.000042 J	0.0017 J	0.0029 J	0.0011	0.00082		<0.000019	<0.000019	<0.000019	0.000032 J	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0234**	**0.0166**	0.000987 J	0.000606 J	0.0026	0.00598	0.0047	0.00663	0.00606	0.00579		0.00109 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-70C 01/23/2024	MW-70C 07/29/2024	MW-74B 02/09/2012	MW-74B 07/26/2012	MW-74B 04/02/2013	MW-74B 01/29/2014	MW-74B 08/28/2014	MW-74B 01/30/2018	MW-74B 03/28/2018	MW-74B 06/07/2018	MW-74B 01/23/2019	MW-74B 07/30/2019	MW-74B 01/17/2020	MW-74B 07/21/2020	MW-74B 01/12/2021	MW-74B 07/14/2021	MW-74B 01/12/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	**<0.01**	<0.005	<0.0028	<0.0007	<0.0028	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.0002	<0.0002	**<0.02**	<0.001
Benzene	*0.005*	*0.005*	<0.0002	0.0017	**0.35**	**0.71**	**0.552**	**0.795**	**0.652**	**0.47**	**0.58**	**0.71**	**0.83**	**0.59**	**0.12**	**0.78**	**0.007**	**0.14**	**0.54**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.01	<0.005	<0.0024	<0.0006	<0.0024	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0003	<0.0003	<0.03	<0.0015
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.0032	0.086	0.14	0.147	0.203	0.2	0.25	0.12	0.17 J	0.22	0.15	0.076	0.16	0.015	0.091 J	0.15
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	**<0.013**	**<0.01**	<0.003	<0.00075	<0.003	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.001	<0.001	**<0.1**	**0.0051 J**
Toluene	*1*	*1*	<0.0002	0.0061	0.32	0.56	0.533	0.774	0.741	0.75	0.56	0.74	0.69	0.52	0.29	0.69	0.02	0.23	0.56
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	0.008	0.25	0.38	0.427	0.553	0.558	0.53	0.33	0.51 J	0.63	0.42	0.2	0.41	0.049	0.26	0.41
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.0005	<0.0005	**<0.106**	**<0.208**	**<0.216**	**<0.0021**	<0.00021	**<0.0021**	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.000071 J	**55**	**41**	**56.9**	**525**	**70.6**	**59**	**30**	**57**	**9**	**37**	0.21	**8.3**	0.099	**5**	**2.7**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.0005	<0.0005	**<0.125**	**<0.245**	**<0.255**	**<0.0058**	<0.00058	**<0.0058**	<0.00058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.0006	<0.0006	**<0.0769**	**<0.151**	**<0.157**	**<0.0042**	<0.00042	**<0.0042**	<0.00042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.0005	<0.0005	<0.0769	<0.151	<0.157	<0.0021	<0.00021	<0.0021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00013	**0.39**	**0.43 J**	**0.673**	**5.52**	**0.95 J**	**0.3**	**2.4**	**0.99**	**0.22**	**0.48**	**1.3**	**0.6**	**0.13**	**0.7**	**2.5**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0008	<0.0008	**<0.798**	**<1.57**	**<1.63**	<0.002	<0.0002	<0.002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.0005	<0.0005	**<0.538**	**<1.06**	**<1.1**	0.033 J	<0.00047	<0.0047	<0.00047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00062	0.29	0.21	0.31 J	**2.4**	0.413 J	0.31	1.4	0.33	0.098	0.24	0.98	0.32	0.17	0.37	**1.9**
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.0058	0.0062	<0.0577	<0.113	<0.118	0.012	0.019	0.0098 J	0.0032	0.0037	0.018	0.0083	0.0046	0.011	0.042
Anthracene	*7.3*	*22*	<0.000014	0.00057	0.037	0.024	<0.0481	0.282 J	<0.098	0.027	0.58	0.034	0.0074	0.0071	0.42	0.083	0.014	0.054	0.85
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00028	<0.0005	0.0022	**<0.0769**	**<0.151**	**<0.157**	<0.005	**0.22**	<0.005	<0.0005	0.00022	**0.13**	**0.037**	0.0018	**0.0097**	**0.29**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000073 J	**<0.0005**	**0.00085 J**	**<0.0769**	**<0.151**	**<0.157**	**<0.002**	**0.064**	**<0.002**	<0.0002	<0.00002	**0.034**	**0.012**	**0.001**	**0.0045**	**0.074**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0005	<0.0005	**<0.125**	**<0.245**	**<0.255**	**<0.003**	<0.0003	**<0.003**	<0.0003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.001	<0.001	**<0.356**	**<0.698**	**<0.725**	<0.0037	<0.00037	<0.0037	<0.00037	<0.000037	0.0014	<0.00037	<0.00037	<0.00037	<0.00037
Chrysene	*0.91*	*2*	<0.000021	0.00026	<0.0005	0.0018 J	<0.0769	<0.151	<0.157	<0.0021	0.23	<0.0021	<0.00021	0.00016	0.082	0.03	0.002	0.012	0.35
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.0005	<0.0005	<0.106	<0.208	<0.216	<0.002	<0.0002	<0.002	<0.0002	<0.00002	0.0022	<0.0002	<0.0002	<0.0002	<0.0002
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00034	**0.25**	**0.19**	**0.252 J**	**1.84**	**<0.157**	**0.24**	**1.4**	**0.24**	0.079	**0.19**	**0.72**	**0.27**	0.085	**0.28**	**1.6**
Fluoranthene	*0.98*	*2.9*	<0.00001	0.0019	0.0044	0.018	<0.0673	<0.132	<0.137	0.015	**1.4**	0.017	0.0038	0.0035	0.67	0.2	0.013	0.072	**1.9**
Fluorene	*0.98*	*2.9*	<0.00003	0.00042	0.17	0.14 J	0.196 J	**1.34**	0.263 J	0.19	**1.4**	0.19	0.056	0.14	0.88	0.29	0.09	0.26	**1.9**
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.0005	<0.0005	<0.0962	<0.189	**<0.196**	<0.0025	<0.00025	<0.0025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025
Naphthalene	*0.49*	*1.5*	<0.00002	0.000068 J	**16**	**10**	**13.9**	**139**	**17.9**	**18**	**21**	**19**	**4**	**13 J**	**8.5**	**5.9**	0.25	**2**	**19**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.0005	<0.0005	**<0.106**	**<0.208**	**<0.216**	<0.0024	<0.00024	<0.0024	<0.0024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.0005	<0.0005	**<0.587**	**<1.15**	**<1.2**	**<0.0079**	<0.00079	**<0.0079**	<0.00079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.0023	0.15	0.15	0.169 J	**1.28**	0.307 J	0.16	**3.7**	0.17	0.046	0.087	**2.3**	0.58	0.086	0.35	**4.8**
Phenol	*7.3*	*22*	<0.000035	<0.000035	**43**	**38**	**63.2**	**420**	**53.3**	**56**	**25**	**39**	5	**33**	0.048	5.5	0.00083 J	7	2
Pyrene	*0.73*	*2.2*	<0.000019	0.0012	0.005	0.01	<0.106	<0.208	<0.216	0.0079 J	**0.83**	0.0077 J	0.002	0.0023	0.44	0.15	0.0079	0.044	**1.2**
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004						0.00162 J	0.00142 J	0.00131 J	0.0014 J	0.00128 J	0.000443 J	0.00137 J	<0.00197	<0.000939	0.00239

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-74B 07/18/2022	MW-74B 01/18/2023	MW-74B 07/24/2023	MW-74B 02/08/2024	MW-74B 07/30/2024 DNAPL	MW-75B 02/08/2012 DNAPL	MW-75B 07/26/2012 DNAPL	MW-75B 04/02/2013 DNAPL	MW-75B 01/29/2014 DNAPL	MW-75B 07/24/2014 DNAPL	MW-75B 01/17/2020	MW-75B 07/21/2020	MW-75B 01/21/2021	MW-75B 07/14/2021	MW-75B 07/24/2023	MW-75B 02/08/2024	MW-75B 07/25/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	**<0.01**	**<0.01**	<0.0025	<0.0028	<0.0007	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005	**<0.01**
Benzene	*0.005*	*0.005*	**0.4**	<0.0002	<0.0002	<0.0002	**0.26**	**0.61**	**0.85**	**0.369**	**0.502**	**0.298**	**0.12**	**0.0072**	0.0017	0.0012	**0.13**	**0.011 J**	**0.34**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.01	<0.0025	<0.0024	<0.0006	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0075	<0.015
Ethylbenzene	*0.7*	*0.7*	0.19	<0.0003	<0.0003	<0.0003	0.11	0.13	0.1	0.069	0.0773	0.0737	0.037	0.04	0.0034	0.011	0.13	0.028	0.13
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	**<0.05**	**<0.013**	<0.005	<0.003	<0.00075	<0.00015	<0.001	<0.001	<0.001	**<0.01**	<0.001	**<0.025**	**<0.05**
Toluene	*1*	*1*	0.41	<0.0002	<0.0002	<0.0002	0.31	0.51	0.5	0.282	0.328	0.273	0.13	0.05	0.0028	0.0059	0.28	0.048	0.34
Vinyl chloride	*0.002*	*0.002*										<0.00011							**<0.01**
Xylenes (total)	*10*	*10*	0.52	<0.0003	<0.0003	<0.0003	0.32	0.41	0.33	0.247	0.276	0.255	0.11	0.13	0.014	0.055	0.43	0.15	0.43
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0021**	<0.000021	<0.000021	<0.00021	**0.0044**	<0.0005	<0.0005	**<0.00212**	**<0.0519**	**<0.00214**	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	**<0.0021 J**
2,4-Dimethylphenol	*0.49*	*1.5*	**18**	0.00037	<0.00004	<0.0004	**5.8**	0.18	**0.64**	0.0695	**6.35**	<0.00602	**0.86**	0.0046	0.0011	0.022	0.013	0.022	0.34 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0058**	<0.000058	<0.000058	<0.00058	**0.0027**	<0.0005	<0.0005	**<0.0025**	**<0.0613**	**<0.00252**	<0.000058	<0.00058	<0.000058	<0.00058	<0.00058	<0.00058	**<0.0058 J**
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0042**	<0.000042	<0.000042	<0.00042	<0.00042	<0.0006	<0.0006	**<0.00154**	**<0.0377**	**<0.00155**	<0.000042	<0.00042	<0.000042	<0.00042	<0.00042	<0.00042	**<0.0042 J**
2-Chloronaphthalene	*2*	*5.8*	<0.0021	<0.000021	<0.000021	<0.00021	0.00032 J	<0.0005	<0.0005	<0.00154	<0.0377	<0.00155	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.0021 J
2-Methylnaphthalene	*0.098*	*0.29*	**7.4**	<0.000019	<0.000019	**0.16**	**0.7**	**0.62**	**0.6 J**	**0.101**	**3.18**	**0.546**	**0.81**	**0.11**	0.000071 J	0.076	**0.58**	**0.28**	**6.2 J**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.002	<0.00002	<0.00002	<0.0002	0.0019 J	<0.0008	<0.0008	**<0.016**	**<0.392**	**<0.0161**	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.002 J
4-Nitrophenol	*0.049*	*0.15*	<0.0047	<0.000047	<0.000047	<0.00047	<0.00047	<0.0005	<0.0005	<0.0108	**<0.264**	<0.0109	<0.000047	<0.00047	<0.000047	<0.00047	<0.00047	<0.00047	<0.0047 J
Acenaphthene	*1.5*	*4.4*	**5.5**	0.000034 J	<0.000027	0.23	0.47	0.34	0.26	0.0697	**2.57**	0.429	0.67	0.057	0.032	0.59	0.44	0.16	**4.9 J**
Acenaphthylene	*1.5*	*4.4*	0.1	0.000071 J	0.000055 J	0.0051	0.0087	0.013	0.0058	<0.00115	0.0672 J	0.0121	0.0086	0.0013	0.00073	0.0074	<0.00015	0.0019	0.06 J
Anthracene	*7.3*	*22*	2.1	0.00011	0.000074 J	0.071	0.095	0.035	0.045	0.00948 J	0.605	0.0626	0.39	0.009	0.0026	0.13	0.33	0.027	2.4 J
Benzo(a)anthracene	*0.0091*	*0.02*	**0.92**	0.00019	<0.00005	**0.034**	**0.06**	0.00064 J	0.0047	<0.00154	**0.0667 J**	0.00748 J	**0.12**	0.0019	0.0016	**0.013**	**0.061**	0.0025	**0.38 J**
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.29**	**0.0023**	**0.00031**	**0.0092**	**0.022**	**<0.0005**	**0.0013 J**	**<0.00154**	**<0.0377**	**<0.00155**	**0.035**	**0.00064 J**	**0.00082**	**0.0039**	**0.019**	**0.00084 J**	**0.13 J**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**0.098**	<0.00003	<0.00003	<0.0003	**<0.003**	<0.0005	<0.0005	**<0.0025**	**<0.0613**	**<0.00252**	<0.00003	<0.0003	<0.00003	<0.0003	<0.0003	<0.0003	**<0.003 J**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0037	0.000099 J	<0.000037	<0.00037	<0.00037	<0.001	<0.001	**<0.00712**	**<0.175**	**<0.00718**	0.0021	<0.00037	<0.000094	0.00071 J	<0.00037	<0.00037	<0.0037 J
Chrysene	*0.91*	*2*	0.74	0.0004	0.00018	0.03	0.051	0.00062 J	0.0042	<0.00154	0.0704 J	0.00677 J	0.095	0.0015	0.0016	0.014	0.053	0.0027	0.4 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0005	<0.0005	<0.00212	<0.0519	<0.00214	0.0016	<0.0002	0.00014 J	<0.0002	<0.0002	<0.0002	<0.002 J
Dibenzofuran	*0.098*	*0.29*	**4.8**	<0.00002	<0.00002	**0.2**	**0.4**	**0.29**	**0.23**	0.0533	**1.56**	**0.214**	**0.54**	0.047	0.0073	**0.41**	**0.38**	**0.12**	**4.3 J**
Fluoranthene	*0.98*	*2.9*	**6.3**	0.00035	0.00012	0.21	0.49	0.016	0.04	0.0103	0.708	0.0914	0.75	0.0098	0.0085	0.13	0.42	0.022	**4.7 J**
Fluorene	*0.98*	*2.9*	**5.6**	<0.00003	<0.00003	0.25	0.47	0.19	0.17 J	0.0425	**1.59**	0.218	0.61	0.041	0.021	0.45	0.42	0.09	**4.8 J**
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0025	<0.000025	<0.000025	<0.00025	0.0051	<0.0005	<0.0005	<0.00192	<0.0472	<0.00194	<0.000025	<0.00025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0025 J
Naphthalene	*0.49*	*1.5*	**48**	<0.00002	0.000036 J	0.41	0.00061 J	**8.9**	**9.3**	0.211	**27.1**	**5.7**	**7.5**	**1.4**	<0.0002	0.0065	**3.7**	**2.7**	**29 J**
Nitrobenzene	*0.049*	*0.15*	<0.0024	<0.000024	<0.000024	<0.00024	0.0025	<0.0005	<0.0005	<0.00212	**<0.0519**	<0.00214	<0.000024	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.0024 J
Pentachlorophenol	*0.001*	*0.001*	**<0.0079**	<0.000079	<0.000079	<0.00079	<0.00079	<0.0005	<0.0005	**<0.0117**	**<0.288**	**<0.0118**	<0.000079	<0.00079	<0.000079	**0.0024**	<0.00079	<0.00079	**<0.0079 J**
Phenanthrene	*0.73*	*2.2*	**19**	0.00018	0.000021	0.51	**0.97**	0.24	0.27	0.0606	**2.13**	0.238	**1.9**	0.052	0.0033	0.67	**1.3**	0.13	**14 J**
Phenol	*7.3*	*22*	**14**	<0.000035	<0.000035	<0.00035	2	0.0066	0.0027	0.0069 J	0.108 J	<0.000777	0.0029	<0.00035	<0.000035	0.0014 J	<0.00035	0.0024	<0.0035 J
Pyrene	*0.73*	*2.2*	**3.2**	0.00044	0.00013	0.12	0.32	0.0098	0.026	0.00617 J	0.416	0.0537	0.51	0.0063	0.0048	0.083	0.00076 J	0.013	**3.1 J**
Metals																			
Arsenic	*0.01*	*0.01*	0.00284	0.00172 J	0.00136 J	**0.0155**	0.00405						0.00167 J	<0.0004	<0.0004	<0.000493	0.000876 J	0.00368	0.00241

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-76B 03/12/2020	MW-76B 05/26/2020	MW-76B 07/20/2020	MW-76B 01/11/2021	MW-76B 07/27/2021	MW-76B 01/06/2022	MW-76B 07/14/2022	MW-76B 01/11/2023	MW-76B 07/09/2023	MW-76B 01/16/2024	MW-76B 07/24/2024	MW-76C 07/24/2014	MW-76C 10/03/2014	MW-76C 01/30/2018	MW-76C 03/28/2018	MW-76C 05/25/2018	MW-76C 01/23/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00014		<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000149 J		<0.0002	<0.0002	0.00021 J	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00012		<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00011		<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00015		<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000156 J		<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*												<0.00011					
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00026		<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000104	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000042	<0.00004	0.00021	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000292	<0.000301	0.0018	<0.00004	<0.00004	0.0041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000123	<0.000126	<0.000058	<0.000058	<0.000059	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000044	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0000755	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00002	<0.000019	0.0002	<0.000019	<0.000019	0.000086 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000392 J	0.0000976 J	0.0001	0.00012	0.000032 J	0.00031
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000783	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000528	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000028	<0.000027	0.00017	<0.000027	0.000074 J	0.00017	<0.000027	0.000075 J	<0.000027	<0.000027	<0.000027	0.000696	0.00024 J	0.00015	0.00023	0.000071 J	0.00011
Acenaphthylene	*1.5*	*4.4*	<0.000016	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0000566	<0.0000583	0.0002	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000015	<0.000014	0.000076 J	<0.000014	0.000051 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000234 J	0.00011 J	0.00006 J	0.000055 J	0.000048 J	0.000041 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000052	<0.00005	0.00011	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00005	<0.00005	<0.000051	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.000021	<0.00002	0.000066 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000755	**0.000276 J**	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000123	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000039	0.000039 J	0.000046 J	<0.000037	<0.000037	<0.000037	<0.00049	<0.000037	<0.000037	<0.000037	<0.000037	0.000803	0.000714	<0.00024	0.00015 J	0.000096 J	<0.000091
Chrysene	*0.91*	*2*	<0.000022	<0.000021	0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000025 J	<0.00002	0.000027 J	<0.000034	<0.00002	<0.00002	<0.000021	<0.00002	0.00028	<0.00002	<0.00002	<0.000104	0.000124 J	<0.00002	<0.00002	0.00004 J	0.000027 J
Dibenzofuran	*0.098*	*0.29*	<0.000021	<0.00002	0.00013	<0.00002	0.000058 J	0.000075 J	<0.00002	0.000048 J	<0.00002	<0.00002	<0.00002	0.000507	0.000159 J	0.00012	0.00012	0.000056 J	0.00011
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.00025	0.000035 J	0.00011	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000322 J	0.000188 J	0.00019	0.00018	0.00007 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.000031	<0.00003	0.00013	<0.00003	0.000077 J	0.000059 J	<0.00003	0.000034 J	<0.00003	<0.00003	<0.00003	0.000778	0.000264 J	0.00016	0.00014	0.000076 J	0.000076 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0000943	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.000096 J	<0.00002	0.002	0.000032 J	<0.00024	<0.00034	<0.000049	<0.00002	<0.00002	<0.00002	<0.00002	0.00176	0.000506	<0.0028	0.0019	0.00036	0.007
Nitrobenzene	*0.049*	*0.15*	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000104	0.000124 J	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**0.00272**	<0.000592	<0.000079	<0.000079	<0.00008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000022	<0.000021	0.00023	<0.000021	0.00024	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00183	0.000611	0.00051	0.00044	0.00023	0.000086 J
Phenol	*7.3*	*22*	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00284	0.00163	0.0032	<0.000035	<0.000035	0.0012
Pyrene	*0.73*	*2.2*	<0.00002	<0.000019	0.00015	<0.000019	0.000064 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000194 J	0.000161 J	0.00016	0.00012	0.000048 J	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00115 J	0.00404	0.00383	0.00119 J	0.00201	0.000925 J	<0.0004	<0.00102	0.000798 J	0.000434 J	0.000603 J			0.00157 J	0.000631 J	0.000527 J	0.000579 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-76C 07/30/2019	MW-76C 01/09/2020	MW-76C 07/20/2020	MW-76C 01/12/2021	MW-76C 07/27/2021	MW-76C 01/06/2022	MW-76C 07/14/2022	MW-76C 01/11/2023	MW-76C 07/09/2023	MW-76C 01/16/2024	MW-76C 07/24/2024	MW-77A 07/24/2014	MW-77A 01/30/2018	MW-77A 03/28/2018	MW-77A 05/24/2018	MW-77A 02/01/2019	MW-77A 07/30/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00008	**0.054**	**0.063**	**0.053**	<0.0002	**0.063**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00011	0.059	0.063	0.044	<0.0003	0.072
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00015	0.011	0.011	0.006	<0.0002	0.012
Vinyl chloride	*0.002*	*0.002*					<0.0002							<0.00011					
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00026	0.1	0.11	0.058	<0.0003	0.097
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**<0.00519**	<0.00021	<0.00021	<0.00021	<0.000022	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00038	0.00012 J	0.00006 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0146	0.014	0.015	0.007	<0.000042	0.062
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.00613**	<0.00058	<0.00058	<0.00058	<0.00006	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.00377**	<0.00042	<0.00042	<0.00042	<0.000044	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00377	<0.00021	<0.00021	<0.00021	<0.000022	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.00045	<0.000019	<0.000024	<0.000019	<0.000019	<0.000019	0.000063 J	0.00022	<0.000019	<0.000019	0.0571	**0.2**	**0.28**	0.085	<0.00002	**0.2**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.0392**	<0.0002	<0.0002	<0.0002	<0.000021	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0264	0.0044 J	<0.00047	<0.00047	<0.000049	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.00041	0.000049 J	<0.000027	<0.000027	<0.000027	<0.000027	0.000088 J	<0.000027	<0.000027	<0.000027	0.0456	0.2	0.23	0.079	<0.000028	0.16
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.000035 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00283	0.0032	0.0035	0.0012	<0.000016	0.0013
Anthracene	*7.3*	*22*	<0.000014	<0.00017	<0.000014	0.000069 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00236	0.0034	0.0052	0.0025	<0.000015	0.0028
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00014	0.000069 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00377	<0.0005	<0.0005	<0.0005	<0.000052	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000037 J	0.000058 J	0.000029 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.00377**	<0.0002	<0.0002	<0.0002	<0.000021	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.00613**	<0.0003	<0.0003	<0.0003	<0.000031	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.00016	<0.000037	<0.000037	<0.000037	<0.00011	<0.00063	<0.000037	0.000071 J	<0.000037	<0.000037	**<0.0175**	<0.00037	<0.00037	<0.00037	0.0001 J	<0.000037
Chrysene	*0.91*	*2*	<0.000021	0.00013	0.000039 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00377	<0.00021	<0.00021	<0.00021	<0.000022	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000054 J	<0.00002	<0.00002	<0.000064	<0.00002	0.000028 J	<0.00003	<0.00002	0.00052	<0.00002	<0.00002	<0.00519	<0.0002	<0.0002	<0.0002	0.000081 J	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0229 J	0.086	0.09	0.04	<0.000021	0.096
Fluoranthene	*0.98*	*2.9*	<0.00001	0.001	0.000092 J	0.000021 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0033	0.0014	0.0013	0.00067 J	<0.00001	0.00052
Fluorene	*0.98*	*2.9*	<0.00003	<0.00032	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.024	0.076	0.083	0.037	<0.000031	0.078
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00472	<0.00025	<0.00025	<0.00025	<0.000026	<0.000025
Naphthalene	*0.49*	*1.5*	0.00018 J	<0.0038	<0.00002	<0.00012	<0.00021	<0.00016	<0.000044	0.0001	0.00093	<0.00002	<0.00002	**0.884**	**7.8**	**6**	**1.5**	<0.000021	**4.9 J**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00519	<0.00024	<0.00024	<0.00024	<0.000025	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0288**	<0.00079	<0.00079	<0.00079	<0.000082	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.00069	<0.000021	<0.000034	<0.000021	0.000072 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.0262	0.026	0.035	0.019	<0.000022	0.032
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00189	<0.00035	<0.00035	<0.00035	<0.000036	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	0.0007	0.000069 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00519	0.00068 J	0.001	0.00037 J	<0.00002	0.00041
Metals																			
Arsenic	*0.01*	*0.01*	0.00216	0.00299	0.000427 J	0.00269	0.000817 J	0.00171 J	0.000479 J	<0.000741	0.00106 J	0.000421 J	0.00118 J		**0.0263**	**0.0187**	**0.019**	0.00207	**0.0231**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-77A 01/09/2020	MW-77A 07/20/2020	MW-77A 01/12/2021	MW-77A 07/27/2021	MW-77A 01/10/2022	MW-77A 07/14/2022	MW-77A 01/11/2023	MW-77A 07/10/2023	MW-77A 01/30/2024	MW-77A 09/06/2024	MW-78A 01/17/2020 DNAPL	MW-78A 07/20/2020	MW-78A 01/12/2021	MW-78A 07/27/2021	MW-78A 01/10/2022	MW-78A 07/14/2022	MW-78A 01/11/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.005	<0.005	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.058**	**0.021**	<0.0002	**0.044**	**0.054**	**0.015**	**0.023**	**0.026**	**0.054**	**0.023 J**	**0.018**	**0.15**	**0.19**	**0.093**	**0.27**	**0.22**	**0.18**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.0003	<0.0003	<0.0075	<0.0075	<0.0003	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.063	0.022	<0.0003	0.04	0.051	0.015	0.04	0.025	0.056	0.02 J	0.011	0.13	0.15	0.11	0.17	0.18	0.17
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001	<0.001	**<0.025**	**<0.025**	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001
Toluene	*1*	*1*	0.0069	0.0024	<0.0002	0.0067	0.0083	0.0013	0.0045	0.0043	<0.005	<0.005	0.033	0.27	0.32	0.27	0.48	0.39	0.37
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.065	0.026	<0.0003	0.045	0.06	0.015	0.046	0.035	0.091	0.031 J	0.028	0.4	0.35	0.34	0.44	0.44	0.41
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021 J	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**	**<0.0021**
2,4-Dimethylphenol	*0.49*	*1.5*	0.055	0.0013	0.041	0.0089	0.027	<0.0004	0.00095	0.003	0.0011 J	0.0068	**2.5**	**0.93**	**0.6**	0.081	**1.9**	**3.3**	**3.4**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	<0.00058 J	<0.00058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**	**<0.0058**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042	<0.00042 J	<0.00042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**	**<0.0042**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021 J	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.0021
2-Methylnaphthalene	*0.098*	*0.29*	**0.22**	0.0023	**0.28 J**	0.082	**0.15**	0.063	0.07	0.04	0.018 J	0.04	**0.13**	**0.44**	**0.46**	**0.2**	**0.32**	**0.58**	**0.56**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	0.0015 J	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002 J	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	0.0019 J	<0.002	<0.002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	0.0035 J	<0.000047	<0.000047	<0.00047	<0.000047	<0.00047	<0.00047 J	<0.00047	<0.000047	<0.00047	0.0083 J	<0.00047	<0.00047	<0.0047	<0.0047
Acenaphthene	*1.5*	*4.4*	0.13	0.009	0.18	0.042	0.087	0.047	0.044	0.023	0.016 J	0.027	0.071	0.3	0.29	0.11	0.25	0.31	0.35
Acenaphthylene	*1.5*	*4.4*	0.0013	<0.000015	0.0024	<0.000015	0.0013	0.00061 J	<0.000015	<0.00015	<0.00015 J	<0.00015	0.0015	<0.00015	0.0046	0.0018	0.0035	<0.0015	0.0063 J
Anthracene	*7.3*	*22*	0.0036	0.00033	0.0058	0.0017	0.0026	0.0025	0.0019	0.0011	0.00045 J	0.0012	0.004	0.1	0.033	0.017	0.017	0.03	0.033
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.0005	<0.0005 J	<0.0005	0.00043	**0.042**	0.0049	0.0045	0.00068 J	<0.005	<0.005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002 J	<0.0002	0.00014	**0.015**	**0.0019**	**0.0016**	<0.0002	**<0.002**	**<0.002**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	<0.0003 J	<0.0003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.003**	**<0.003**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000077	<0.000037	<0.00037	<0.000037	<0.000037	<0.00093	<0.000037	<0.00037	<0.00037 J	<0.00037	0.00092	0.00054 J	<0.00037	<0.00037	<0.00037	<0.0037	<0.0037
Chrysene	*0.91*	*2*	0.000041 J	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021 J	<0.00021	0.00039	0.038	0.0048	0.0041	0.00055 J	<0.0021	<0.0021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.0002	0.000065 J	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002 J	<0.0002	0.0016	0.00059 J	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Dibenzofuran	*0.098*	*0.29*	0.079	0.004	0.08	0.025	0.054	0.025	0.023	0.012	0.0057 J	0.0087	0.055	**0.26**	**0.22**	0.088	**0.2**	**0.24**	**0.26**
Fluoranthene	*0.98*	*2.9*	0.00071	0.00012	0.0012	0.00029	0.00063	0.00042 J	0.0004	<0.0001	<0.0001 J	<0.0001	0.0029	0.29	0.037	0.028	0.011	0.013	0.023
Fluorene	*0.98*	*2.9*	0.067	0.0042	0.072	0.022	0.047	0.025	0.023	0.012	0.0073 J	0.014	0.04	0.28	0.2	0.082	0.17	0.19	0.22
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.00025 J	<0.00025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.0025
Naphthalene	*0.49*	*1.5*	**4.7**	0.01	0	**0.9**	**4.4**	**1.1**	**1.6**	**0.64**	0.33 J	**0.85**	**3.1**	**2.5**	0.2	0.2	**8**	**12**	**9.4**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.00024 J	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.0024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	<0.00079 J	<0.00079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**	**<0.0079**
Phenanthrene	*0.73*	*2.2*	0.031	0.0018	0.04	0.0096	0.019	0.013	0.014	0.0069	0.0023 J	0.0079	0.031	0.72	0.24	0.13	0.13	0.18	0.2
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00035	<0.000035	<0.00035	<0.00035 J	<0.00035	0.13	0.015	0.004	0.00079 J	0.036	0.035	0.044
Pyrene	*0.73*	*2.2*	0.00046	0.000067 J	0.00071 J	0.00017	0.00028	0.00027 J	0.00019	<0.00019	<0.00019 J	<0.00019	0.0018	0.16	0.023	0.017	0.0054	0.0073 J	0.014
Metals																			
Arsenic	*0.01*	*0.01*	**0.0237**	**0.0233**	0.00252	**0.0229**	**0.0239**	**0.0128**	**0.0242**	**0.0191**	**0.0145**	**0.0197**	0.00991	0.00915	**0.0298**	0.0088	**0.0276**	**0.0254**	**0.0283**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-78A 07/10/2023	MW-78A 01/30/2024	MW-78A 07/30/2024	MW-79A 08/28/2014	MW-79A 01/30/2018	MW-79A 03/28/2018	MW-79A 05/25/2018	MW-79A 01/23/2019	MW-79A 07/30/2019	MW-79A 01/17/2020	MW-79A 07/21/2020	MW-79A 01/11/2021	MW-79A 07/22/2021	MW-79A 01/11/2022	MW-79A 07/18/2022	MW-79A 01/18/2023	MW-79A 07/10/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.005	**<0.01**	<0.0007	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.001	0.0049 J
Benzene	*0.005*	*0.005*	**0.18**	**0.12**	**0.18**	**0.0485**	**1**	**0.3**	**0.36**	**0.45**	**0.013**	**0.12**	**0.18**	**0.32**	**0.3**	**0.1**	**0.29**	**0.046**	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0075	<0.015	<0.0006	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0015	<0.0015
Ethylbenzene	*0.7*	*0.7*	0.18	0.14	0.14	0.0215	0.18	0.12	0.14	0.19	0.0067	0.075	0.087	0.16	0.12	0.039	0.13	0.032	0.0025 J
Methylene chloride	*0.005*	*0.005*	<0.001	**<0.025**	**<0.05**	<0.00075	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.005	<0.005
Toluene	*1*	*1*	0.34 JL	0.24	0.32	0.076	0.99	0.44	0.48	0.55	0.018	0.26	0.31	0.5	0.43	0.14	0.39	0.098	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.49	0.38	0.31	0.0763	0.48	0.31	0.41	0.54	0.023	0.2	0.22	0.43	0.34	0.1	0.35	0.091	0.0053 J
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021 J	<0.00021	**<0.00539**	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.00021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	**0.98**	0.29 J	**0.99**	**6.11**	**11**	**11**	**20**	**2.5**	0.33	**6.7**	**1.2**	0.2	**4**	**1.9**	**6.8**	**0.53**	0.0098
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058 J	<0.00058	**<0.00637**	<0.00058	<0.00058	<0.00058	<0.00058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042 J	<0.00042	**<0.00392**	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021 J	<0.00021	<0.00392	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.26**	**0.16 J**	**0.23**	**0.654**	**0.17**	**0.42**	**0.44**	**0.1**	0.051	**0.43**	0.07	**0.34 J**	**0.29**	**0.1**	**0.18**	0.073	0.0028
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002 J	<0.0002	**<0.0407**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	0.0024 J	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047 J	<0.00047	<0.0275	<0.00047	<0.00047	0.016 J	<0.00047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.0047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.15	0.098 J	0.083	0.427	0.13	0.17	0.16	0.039	0.034	0.19	0.031	0.15	0.09	0.043	0.083	0.036	0.0065
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.00015 J	<0.00015	0.0112 J	0.0045	<0.00015	0.0056	0.0015	0.00076	0.0036	0.00057	0.0049	0.0033	<0.00015	0.0033 J	<0.00015	<0.00015
Anthracene	*7.3*	*22*	0.013	0.0063 J	0.0088	0.0673	0.0057	0.0092	0.0084	0.0021	0.002	0.0094	0.00074	0.0071	0.005	0.0027	<0.0014	0.002	0.00067 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.0017	<0.0005 J	<0.0005	**0.00985 J**	<0.0005	<0.0005	<0.0005	<0.0005	0.00023	0.00081	0.000067 J	<0.0005	<0.0005	<0.0005	<0.005	<0.0005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00073 J**	<0.0002 J	<0.0002	**<0.00392**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	**0.00029**	<0.00002	**0.00027 J**	<0.0002	<0.0002	**<0.002**	<0.0002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003 J	<0.0003	**<0.00637**	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037 J	<0.00037	**<0.0181**	<0.00037	<0.00037	<0.00037	<0.00037	0.00055	<0.000037	<0.000037	<0.00037	<0.00037	<0.00037	<0.0037	<0.00037	<0.00037
Chrysene	*0.91*	*2*	0.0014	<0.00021 J	0.00036 J	0.00948 J	<0.00021	<0.00021	<0.00021	<0.00021	0.00027	0.00072	0.000058 J	0.00022	<0.00021	<0.00021	<0.0021	<0.00021	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002 J	<0.0002	<0.00539	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	0.00098	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.091	0.074 J	0.065	**0.342**	0.097	**0.14**	0.092	0.037	0.026	**0.14**	0.024	0.096	0.075	0.031	0.064	0.026	0.0025
Fluoranthene	*0.98*	*2.9*	0.017	0.0032 J	0.0059	0.0713	0.0036	0.0051	0.0023	0.001	0.0012	0.0076	0.00034	0.0025	0.0014	0.0014	0.0027 J	0.0021	0.00077 J
Fluorene	*0.98*	*2.9*	0.074	0.063 J	0.058	0.291	0.063	0.081	0.056	0.022	0.017	0.094	0.009	0.055	0.047	0.018	0.04	0.018	0.0044
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025 J	<0.00025	<0.0049	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0025	<0.00025	<0.00025
Naphthalene	*0.49*	*1.5*	**4.4**	**2.2 J**	**4.4**	**6.89**	**7.9**	**8.5**	**15**	**1.9**	**0.74 J**	**9**	**1.3**	**0.7**	0.4	**1.8**	**4.8**	**1.2**	0.04
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024 J	<0.00024	<0.00539	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.0024	<0.00024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079 J	<0.00079	**<0.0299**	<0.00079	<0.00079	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.09	0.054 J	0.053	0.355	0.038	0.049	0.039	0.012	0.0082	0.081	0.0048	0.039	0.025	0.015	0.028	0.013	0.002
Phenol	*7.3*	*22*	0.0092	<0.00035 J	0.0029	1.13	2.6	4	4.2	0.51	0.063	0.35	0.25	0.16 J	0.4	<0.00035	1.6	0.00035	<0.00035
Pyrene	*0.73*	*2.2*	0.0067	0.0021 J	0.003	0.0434	0.0022	0.0038	0.0022	0.00063 J	0.0011	0.0035	0.0002	0.0015	0.00072 J	0.00077 J	<0.0019	0.0012	0.0007 J
Metals																			
Arsenic	*0.01*	*0.01*	**0.0332**	**0.0142**	**0.0232**		**0.0184**	**0.0149**	**0.0134**	**0.0133**	0.00991	0.00893	**0.0108**	**0.014**	**0.0151**	0.00832	**0.0148**	0.0044	0.00074 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-79A 01/30/2024	MW-79A 07/30/2024	MW-80B 08/28/2014	MW-80B 01/30/2018	MW-80B 03/28/2018	MW-80B 05/24/2018	MW-80B 01/10/2019	MW-80B 07/30/2019	MW-80B 01/07/2020	MW-80B 07/20/2020	MW-80B 01/20/2021	MW-80B 07/13/2021	MW-80B 01/06/2022	MW-80B 07/17/2022	MW-80B 01/17/2023	MW-80B 07/07/2023	MW-80B 01/16/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.005	**<0.01**	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.077**	**0.03 J**	0.0000898 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0075	<0.015	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.071	0.026 J	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	**<0.025**	**<0.05**	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.1	0.064	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.19	0.063 J	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021 J	0.00084	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**0.52 J**	0.33	<0.00031	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00028	<0.00004	0.00016 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058 J	0.00013 J	<0.00013	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042 J	0.000059 J	<0.00008	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021 J	0.000088 J	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.036 J	0.0076	0.000158 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000036	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002 J	0.00031 J	<0.00083	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047 J	<0.000047	<0.00056	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.017 J	0.018	0.0000835 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000046 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00015 J	0.00027	<0.00006	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00013	<0.000015
Anthracene	*7.3*	*22*	0.0008 J	0.00054	<0.00005	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000026 J	0.000027 J	<0.000014	<0.000014	<0.000014	0.000032 J	<0.000014	0.000023 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005 J	<0.00005	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002 J	<0.00002	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000051 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003 J	**0.0027**	<0.00013	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037 J	<0.000037	0.00106	<0.000069	<0.000037	0.00012 J	<0.000037	0.00007 J	<0.000069	0.000055 J	<0.00012	<0.000097	<0.00009	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00021 J	0.00003 J	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002 J	0.000021 J	<0.00011	<0.00002	<0.00002	0.000047 J	<0.00002	<0.00002	<0.00002	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00063	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.013 J	0.0077	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000048 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00038 J	0.00036	<0.00007	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000047 J	<0.00001	0.000027 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.0092 J	0.0061	<0.00007	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000032 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025 J	0.00043	<0.0001	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	**0.6 J**	0.006	0.00157	<0.00002	<0.00002	<0.00002	0.000068 J	<0.00002	<0.00034	<0.00007	<0.00023	<0.00002	<0.00015	0.00017	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00024 J	0.00011 J	<0.00011	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00079 J	<0.000079	<0.00061	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.0054 J	0.0031	0.0000792 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000027 J	0.000049 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021
Phenol	*7.3*	*22*	0.0012 J	0.0014	0.00018 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00036 J	0.00025	<0.00011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000027 J	<0.000019	0.000027 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00510	0.00344		0.00286	0.00187 J	0.00202	0.0018 J	0.00162 J	0.00212	0.00122 J	0.00114 J	0.000829 J	0.00125 J	0.00139 J	0.00126 J	0.000931 J	0.000418 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-80B 09/05/2024	MW-81B 07/24/2014	MW-81B 01/29/2018	MW-81B 03/28/2018	MW-81B 05/25/2018	MW-81B 01/10/2019	MW-81B 07/19/2019	MW-81B 01/09/2020	MW-81B 07/20/2020	MW-81B 01/12/2021	MW-81B 07/13/2021	MW-81B 01/06/2022	MW-81B 07/14/2022	MW-81B 01/17/2023	MW-81B 07/07/2023	MW-81B 01/21/2024	MW-81B 07/25/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.00008	<0.0002	<0.0002	0.00021 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.00012	<0.0003	<0.0003	0.00036 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*		<0.00011															<0.0002
Xylenes (total)	*10*	*10*	<0.0003	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00063	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000126	<0.000058	<0.000059	0.00079	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.0000777	<0.000042	<0.000042	0.001	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.0000777	<0.000021	<0.000021	0.0018	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00019	<0.000068	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000065 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00021	0.00004 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00027	<0.0000777	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000077	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00019	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00014	<0.0000485	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00007 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.0000777	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000359	<0.000037	<0.000037	0.00006 J	0.000058 J	<0.000037	<0.000066	<0.000037	0.000087 J	<0.000081	<0.000062	<0.00034	<0.000037	0.000052 J	<0.000037	0.000059 J
Chrysene	*0.91*	*2*	<0.00021	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.000107	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00027	<0.00002	<0.00002	<0.00002	<0.00002	0.00039	<0.00002	0.000027 J
Dibenzofuran	*0.098*	*0.29*	<0.0002	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00013	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0001	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0003	<0.000068	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00014	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.0002	<0.0000777	<0.00002	<0.00002	<0.00002	0.00016	0.000099 J	<0.00023	0.00097	<0.000074	<0.000075	<0.00014	<0.00002	<0.00002	<0.00002	0.0012	0.00026
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000592	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00021	0.0000944 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000061 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00029	<0.000021
Phenol	*7.3*	*22*	<0.00035	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00016 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00019	<0.000107	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000952 J		0.00207	0.00134 J	0.00203	0.00116 J	0.000563 J	0.0013 J	0.00244	<0.00187	0.000509 J	<0.0004	0.000454 J	<0.0004	0.000487 J	0.000407 J	0.000583 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-82B 02/01/2018	MW-82B 03/22/2018	MW-82B 06/06/2018	MW-82B 01/22/2019	MW-82B 07/30/2019	MW-82B 01/21/2020	MW-82B 07/20/2020	MW-82B 01/14/2021	MW-82B 07/22/2021	MW-82B 01/21/2022	MW-82B 02/01/2023	MW-82B 07/18/2023	MW-82B 01/23/2024	MW-82B 07/24/2024	MW-83B 02/08/2018	MW-83B 03/22/2018	MW-83B 06/07/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.018**	**0.019**	**0.02**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00066 J	<0.0003	<0.0003	<0.0003	<0.0003	0.08	0.1	0.085
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0055	0.0046	0.0049
Vinyl chloride	*0.002*	*0.002*														<0.0002			
Xylenes (total)	*10*	*10*	<0.0003	0.00065 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.1	0.11	0.091
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.0004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00059	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.000019 J	<0.000019	<0.000019	0.0001	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	**0.15**	**0.75**	**0.23**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.000027 J	<0.000027	<0.000027	0.000043 J	<0.000027	<0.000027	0.00025	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.098	0.33	0.11
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00086 J	0.0016	0.00064
Anthracene	*7.3*	*22*	<0.000014	0.000068 J	0.000091 J	0.000042 J	<0.000014	0.000031 J	<0.000014	0.000015 J	<0.000014	<0.000014	0.000059 J	<0.000014	<0.000014	<0.000014	0.01	0.011	0.007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00051	0.000058 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00011 J	<0.000037	<0.00056	<0.000037	<0.000037	<0.000037	0.000052 J	<0.000058	<0.000037	<0.000037	0.000057 J	<0.000037	<0.000037	<0.000037	<0.00037	<0.00037	0.00012 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	0.00009 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000022 J	<0.000027	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	0.000094 J
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	0.00004 J	<0.00002	0.000045 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.043	**0.17**	0.061
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000015 J	0.000028 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0035	0.0043	0.0046
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	0.000037 J	<0.00003	0.000033 J	0.000089 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.046	0.072	0.039
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00019	<0.00015	0.00002 J	<0.00002	<0.00002	<0.00041	<0.00002	<0.00002	<0.00027	0.0001	0.000052 J	<0.00002	<0.00002	<0.00002	**2.6**	**14**	**2**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.0008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00012	<0.000021	0.00008 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.04	0.071	0.045
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.0029	0.0023	0.0026
Metals																			
Arsenic	*0.01*	*0.01*	0.00271	0.00175 J	**0.0103**	0.00838	0.00873	0.00484	0.00299	0.00547	0.00238	0.00134 J	0.00117 J	0.000838 J	0.000787 J	0.000965 J	**0.0353**	**0.0185**	**0.0673**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-83B 07/19/2018	MW-83B 01/15/2019	MW-83B 07/18/2019	MW-83B 01/10/2020	MW-83B 07/22/2020	MW-83B 07/22/2020 Duplicate	MW-83B 01/12/2021	MW-83B 01/12/2021 Duplicate	MW-83B 07/14/2021	MW-83B 07/14/2021 Duplicate	MW-83B 01/21/2022	MW-83B 01/21/2022 Duplicate	MW-83B 07/20/2022	MW-83B 07/20/2022 Duplicate	MW-83B 01/12/2023	MW-83B 01/12/2023 Duplicate	MW-83B 07/18/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.03**	**0.032**	**0.021**	**0.021**	**0.007 J**	0.0026 J	**0.02**	**0.022**	**0.025**	**0.03**	**0.0089 J**	**0.033 J**	0.002 J	0.0034 J	**0.0055**	**0.0069**	0.0024 J
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.068	0.091	0.055	0.078	0.027 J	0.019 J	0.076	0.08	0.1	0.13	0.02 J	0.11 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.05**	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.007	0.0082	0.0042	0.0052	0.0026	<0.0015	0.0059	0.0058	0.0073	0.0083 J	0.0023 J	0.009 J	0.0013	0.0016	0.00028 J	<0.0002 J	0.00096 J
Vinyl chloride	*0.002*	*0.002*				<0.0002													
Xylenes (total)	*10*	*10*	0.066	0.1	0.061	0.098	0.031 J	0.021 J	0.085	0.098	0.12	0.14	0.026 J	0.12 J	0.0097 J	0.017 J	0.022 J	0.0084 J	0.015 J
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**.00035 J**	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.000072 J	0.00076 J	0.0005 J	<0.00004	<0.00004	<0.00004 J	0.000093 J	<0.00004	<0.00004	<0.00004	<0.00004	0.004 J	<0.00004 J	<0.0004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.076	0.086	0.05	0.078	0.015 J	0.025 J	0.091	0.097	**0.12**	**0.15**	0.083 J	**0.15 J**	0.025	0.031	0.012 J	0.0047 J	0.013 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.027	0.026	0.021	0.066	0.008	0.014	0.058 J	0.13 J	0.12	0.12	0.065 J	0.13 J	0.022	0.024	0.0094 J	0.0069 J	0.011 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00034	0.00025	0.00047	0.000099 J	0.00012	0.00037	0.00048	0.00058	0.0005	0.00038 J	0.00067 J	0.00014	0.00015	<0.00015 J	0.000054 J	<0.00015
Anthracene	*7.3*	*22*	0.0014	0.0012	0.00099	0.0039	0.00043	0.00057	0.002 J	0.0042 J	0.0077	0.0061	0.0045 J	0.0061 J	0.001	0.00099	0.00068 J	0.00031 J	0.00044 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	0.00007 J	<0.00005	<0.00005	<0.00005	0.000055 J	0.0001	<0.00005	<0.00005	0.000072 J	<0.00005	<0.00005	<0.0005	<0.00005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000026 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000064	0.00036	<0.000037	<0.000037	0.000061 J	0.00014 J	0.000071 J	0.000076 J	0.000076 J	<0.000037	<0.000037	0.00011 J	0.000037 J	<0.00037	<0.000037	<0.00037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	0.000065 J	<0.000021	<0.000021	<0.000021	0.000062	0.0001 J	0.000064	0.000036 J	0.00007 J	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00021	0.00015 J	0.00012 J	<0.00002	<0.00002	<0.00002	<0.00028	<0.00031	0.00002 J	0.000041 J	0.000031 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.023	0.02	0.014	0.023	0.005 J	0.0077 J	0.031	0.029	0.035	0.042	0.026 J	0.037 J	0.0086	0.0084	0.0039	0.0029	0.0047 J
Fluoranthene	*0.98*	*2.9*	0.00057	0.00051	0.00038	0.0033	0.00012	0.00018	0.00085 J	0.0029 J	0.0062 J	0.0034 J	0.0023 J	0.004 J	0.00033 J	0.00053 J	0.00024 J	0.00013 J	0.00021 J
Fluorene	*0.98*	*2.9*	0.0083	0.0099	0.0076	0.024	0.003 J	0.005 J	0.021 J	0.032 J	0.037	0.041	0.023 J	0.041 J	0.0073	0.0069	0.0031 J	0.0022 J	0.004 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025
Naphthalene	*0.49*	*1.5*	**1.5**	**1.6**	**0.77**	**1.2**	0.16 J	0.32 J	**0.7**	**0.9**	**2.6**	**2**	**1.2 J**	**2.1 J**	0.18 J	0.25 J	0.13 J	0.015 J	0.034 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.0086	0.0074	0.0059	0.021	0.0031 J	0.0045 J	0.02 J	0.032 J	0.032 J	0.045 J	0.021 J	0.032 J	0.007	0.0067	0.0029 J	0.0017 J	0.0034 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00051	<0.000035	0.00046 J	0.00015 J	<0.000035	<0.000035	<0.000035	0.000096 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035 J	<0.000035 J	<0.00035
Pyrene	*0.73*	*2.2*	0.00037	0.0003	0.0002	0.0022	0.000069 J	0.0001 J	0.00049 J	0.0025 J	0.0047 J	0.002 J	0.0013 J	0.003 J	0.00019 J	0.00032 J	<0.00019	0.00007 J	<0.00019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0731**	**0.0916**	**0.0648**	**0.0709**	**0.0342 J**	0.00371 J	**0.069**	**0.0904**	**0.0566**	**0.0674**	**0.0423 J**	**0.0869 J**	**0.0165 J**	**0.0358 J**	**0.0441 J**	**0.0658 J**	**0.0175 J**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-83B 07/18/2023 Duplicate	MW-83B 01/22/2024	MW-83B 01/22/2024 Duplicate	MW-83B 07/24/2024	MW-83B 07/24/2024 Duplicate	MW-83C 02/08/2018	MW-83C 03/22/2018	MW-83C 06/07/2018	MW-83C 01/15/2019	MW-83C 07/18/2019	MW-83C 01/10/2020	MW-83C 07/22/2020	MW-83C 01/12/2021	MW-83C 07/13/2021	MW-83C 01/21/2022	MW-83C 07/20/2022	MW-83C 01/12/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.0043 J	**0.0051 J**	**0.015 J**	**0.013 J**	**0.026 J**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.00067 J	<0.0003 J	0.047 J	0.034 J	0.091 J	0.00066 J	0.0005 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	**<0.01**	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0013	0.0011 J	0.0033 J	<0.002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.002	<0.002						<0.0002						
Xylenes (total)	*10*	*10*	0.024 J	0.023 J	0.061 J	0.053 J	0.1 J	0.0014	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000087 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00061	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.043 J	0.02 J	0.06 J	0.051 J	0.085 J	0.0015	0.0015	0.000089 J	<0.000019	0.00012	0.00021	0.00019	<0.000043	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	0.0003 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.037 J	0.017 J	0.061 J	0.061	0.081	0.00083	0.001	0.00017	<0.000027	0.000094 J	0.00018	0.00029	<0.000051	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0018 J	0.00065 J	0.0018 J	0.002 J	0.0028 J	0.000034 J	0.000068 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000075 J	0.000024 J	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000037	<0.000037	<0.000037	<0.000037	0.00019 J	<0.000037	0.00012 J	<0.000037	0.00023	<0.000037	0.000077 J	0.00012 J	<0.000037	<0.000037	<0.000037	0.000092 J
Chrysene	*0.91*	*2*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000092 J	0.00006 J	0.00004 J	<0.00002	<0.00002	<0.00014	0.000039 J	<0.00002	<0.00002	0.000094 J
Dibenzofuran	*0.098*	*0.29*	0.015 J	0.0047 J	0.019 J	0.014 J	0.022 J	0.00061	0.00044	0.000046 J	<0.00002	0.00007 J	0.00015	0.0003	0.000042 J	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0011 J	0.00025 J	0.0012 J	0.0015 J	0.0023 J	0.000044 J	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001	0.000079 J	0.000017 J	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.012 J	0.0041 J	0.013 J	0.018 J	0.026 J	0.00035	0.00034	0.000067 J	<0.00003	<0.00003	0.00012	0.00026	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.34 J	0.015 J	**0.67 J**	**1.1 J**	**2.1 J**	0.012	0.016	0.00039	<0.00036	0.0014	0.0018	0.002	<0.00034	<0.00002	0.00019	0.00011	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.011 J	0.0032 J	0.0091 J	0.0083 J	0.016 J	0.00044	0.00053	0.000038 J	<0.000021	<0.000021	0.00017	0.0005	<0.000034	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000038 J	0.000068 J	<0.000035	0.000099 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00073 J	0.00016 J	0.00079 J	0.0011 J	0.0016 J	0.000027 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0483 J**	**0.0379 J**	**0.058 J**	**0.0606**	**0.0717**	0.000609 J	<0.0004	0.00139 J	0.00616	0.00617	0.00564	0.00398	0.000881 J	<0.0004	0.00044 J	<0.0004	<0.000675

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-83C 07/18/2023	MW-83C 01/22/2024	MW-83C 07/24/2024	MW-84A 03/12/2020	MW-84A 05/21/2020	MW-84A 07/27/2020	MW-84A 01/18/2021	MW-84A 07/20/2021	MW-84A 01/20/2022	MW-84A 07/26/2022	MW-84A 01/12/2023	MW-84A 07/19/2023	MW-84A 01/22/2024	MW-84A 07/29/2024	MW-84B 02/08/2018	MW-84B 03/27/2018	MW-84B 06/07/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0097**	**0.0086**	0.0017
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.039	0.037	0.0036
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0025	0.00099 J	<0.0002
Vinyl chloride	*0.002*	*0.002*			<0.0002														
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.035	0.031	0.003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	**0.0014 J**	<0.00021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.0004	<0.0004	0.0017 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.00054 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	0.00057	0.000019	**0.55**	**0.58**	0.025
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	**0.0038**
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.00057 J	<0.000027	<0.000027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	0.0005	0.000027	0.22	0.27	0.031
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	0.003	0.0032	0.00061 J
Anthracene	*7.3*	*22*	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	<0.000014	<0.000014	0.02	0.0092	0.0022
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00005	<0.00005	<0.000051	<0.00005	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000037	<0.000037	<0.000038	<0.000037	0.00024	<0.000075	0.000097 J	<0.000037	<0.000037	<0.000037	<0.00037	<0.000037	<0.000037	0.00056 J	<0.00037	<0.00037
Chrysene	*0.91*	*2*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000045	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000047	0.00045	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.00071 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	0.00019	0.00002	**0.13**	**0.22**	0.019
Fluoranthene	*0.98*	*2.9*	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000038	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	0.0039	0.0029	0.00069 J
Fluorene	*0.98*	*2.9*	0.00043 J	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	0.00016	<0.00003	0.074	0.076	0.011
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025
Naphthalene	*0.49*	*1.5*	<0.0002	<0.00002	0.00039	0.000023 J	<0.00002	<0.00013	<0.00002	<0.00002	0.000063 J	<0.00002	<0.00002	<0.0002	0.00045	0.00017	**2.4**	**2.2**	0.066
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.00077 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000024	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.00016	0.000021	0.088	0.072	0.013
Phenol	*7.3*	*22*	<0.00035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00035	<0.00035	0.00062 J
Pyrene	*0.73*	*2.2*	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000038	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	0.0025	0.0018	0.00036 J
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	<0.0004	0.00464	**0.0112**	**0.0143**	0.00145 J	0.00121 J	0.00267	0.00328	0.0038	**0.0148**	**0.0106**	0.00218	0.00269	0.00277	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-84B 07/19/2018	MW-84B 07/19/2018 Duplicate	MW-84B 01/24/2019	MW-84B 07/30/2019	MW-84B 01/16/2020	MW-84B 07/27/2020	MW-84B 01/18/2021	MW-84B 07/20/2021	MW-84B 01/21/2022	MW-84B 07/26/2022	MW-84B 01/12/2023	MW-84B 07/19/2023	MW-84B 01/22/2024	MW-84B 07/26/2024	MW-85C 02/01/2018	MW-85C 03/28/2018	MW-85C 05/24/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.002	0.0019	0.0024	**0.01**	**0.0064**	0.0022	0.00049 J	0.00033 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.013**	0.0026
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0029	0.0026	0.0051	0.013	0.0094	0.0037	0.00047 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	0.00056 J	0.0015	<0.0002	0.00075 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*														<0.0002			
Xylenes (total)	*10*	*10*	0.0019	0.0017	0.0033	0.0041	0.0032	0.0019	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00048	<0.00004	<0.00016	0.00081	0.00048	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.074 J	**0.2 J**	<0.000019	0.0027	0.0065	0.0004	<0.000019	0.00004 J	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	0.0001 J	0.000049 J	0.000067 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	0.00035	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.048 J	0.14 J	0.000032 J	0.008	0.025	0.003	0.00051	0.000059 J	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	<0.000027	0.00013	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.00062	<0.000015	0.000043 J	0.0003	0.00031	0.000053 J	0.000058 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0027 J	0.0042 J	<0.000014	0.00042	0.00095	<0.00019	<0.000014	<0.000014	<0.000014	<0.00003	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	0.00026	<0.000037	0.000074 J	<0.000099	<0.000037	<0.000037	<0.000037	<0.000037	<0.00037	<0.000037	<0.000037	0.000091 J	0.0002	0.00013 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000025	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.000055 J	<0.00002	<0.000023	0.00053	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	0.00023	<0.00002	0.00003 J
Dibenzofuran	*0.098*	*0.29*	0.037 J	0.077 J	<0.00002	0.0054	0.015	0.0023	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	0.000087 J	<0.00002	0.000036 J
Fluoranthene	*0.98*	*2.9*	0.0011 J	0.0016 J	<0.00001	0.00015	0.00037	<0.00015	0.000021 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	0.000015 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.018 J	0.039 J	<0.00003	0.0026	0.0063	0.0012	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	0.00011	<0.00003	0.000034 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.49 J	**0.95 J**	<0.00002	0.06 J	0.13	0.025	<0.00002	0.0005	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	0.00025	0.00069	0.0017	0.0026
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.000054 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	**0.005**	0.000094 J	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	0.00015 J
Phenanthrene	*0.73*	*2.2*	0.024 J	0.043 J	<0.000021	0.0021	0.0065	<0.0012	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	0.0001	<0.000021	0.0001
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00062 J	0.00097 J	<0.000019	0.00011	0.00025	<0.000097	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	0.00219	0.00838	0.00363	0.00462	0.00262	0.00168 J	0.00177 J	0.00146 J	0.00127 J	0.00112 J	0.00106 J	0.000786 J	0.00152 J	0.00287	0.00588

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-85C 02/01/2019	MW-85C 07/30/2019	MW-85C 01/09/2020	MW-85C 07/16/2020	MW-85C 01/13/2021	MW-85C 07/27/2021	MW-85C 01/06/2022	MW-85C 07/14/2022	MW-85C 01/11/2023	MW-85C 07/10/2023	MW-85C 01/30/2024	MW-86C 02/01/2018	MW-86C 02/01/2018	MW-86C 03/28/2018	MW-86C 03/28/2018 Duplicate	MW-86C 05/25/2018	MW-86C 05/25/2018 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	**0.046 J**	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	0.00093 J	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	**<0.01**	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	**<0.025**	<0.001	<0.001	<0.001	**<0.05**	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*						<0.0002						<0.0002	<0.0002	<0.0002			
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	0.000069 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00049	0.00059	<0.00004	<0.00004	<0.00004 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058 J	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000041	<0.000031	<0.000019	<0.000019	0.0013	0.000041 J	<0.000019	<0.000019	<0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000048	<0.000047	0.00077 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047 J	<0.000047	0.0003 J	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000028	<0.000027	<0.000077	0.0012	<0.000027	<0.000027	0.0025	<0.000027	<0.000027	<0.000027	<0.000027 J	0.00091	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000062 J	<0.000015	<0.000015	<0.000015	<0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.00015	<0.000014	<0.000014	0.0015	0.00032	<0.000014	<0.000014	<0.000014 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00048	<0.00005	<0.00005	<0.00005	<0.00005 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	0.000031 J	<0.00002	<0.00002	<0.00002	0.00018	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000038	<0.000037	<0.00016	<0.000089	<0.000037	0.000063 J	<0.00017	<0.00062	<0.000037	0.000095 J	<0.000037 J	0.000053 J	<0.000037	<0.000037	<0.000037	0.000052 J	0.000061 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	0.00043	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.000038	0.000025 J	<0.00002	<0.00002	<0.00002	<0.00002	0.00028	<0.00002 J	0.000093 J	0.000051 J	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.000059	0.0007	<0.00002	<0.00002	0.0021	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.00025	0.0001 J	<0.00001	<0.00001	0.0037	0.00012	<0.00001	<0.00001	<0.00001 J	0.00011	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.000031	<0.00003	<0.000055	0.00059	<0.00003	<0.00003	0.0033	<0.00003	<0.00003	<0.00003	<0.00003 J	0.00038	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	0.0012 J	<0.00046	0.0031	0.000051 J	<0.00017	0.0056	0.00036	0.00028	<0.00002	0.0001 J	0.000054 J	<0.00002	<0.00002	<0.00002	0.000079 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000081	<0.000079	<0.000079	0.00061 J	<0.000079	<0.000079	0.00016 J	0.00029	<0.000079	<0.000079	<0.000079 J	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000067	<0.00026	0.000035 J	<0.000021	0.014	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000032 J	<0.000021
Phenol	*7.3*	*22*	<0.000036	<0.000035	<0.000042	0.000048 J	<0.000035	<0.000035	<0.000035	0.0011	<0.000035	<0.000035	<0.000035 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00021	0.000065 J	<0.000019	<0.000019	0.0023	0.00013	<0.000019	<0.000019	<0.000019 J	0.00006 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00136 J	0.000633 J	0.00272	**0.17**	<0.0019	0.008	**0.0213**	**0.191 J**	0.00974	**0.0678**	**0.0103**	0.00146 J	0.00156 J	0.00612	0.00608	0.00768	0.00824

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-86C 01/11/2019	MW-86C 01/11/2019 Duplicate	MW-86C 07/30/2019	MW-86C 07/30/2019 Duplicate	MW-86C 01/17/2020	MW-86C 01/17/2020 Duplicate	MW-86C 07/16/2020	MW-86C 01/15/2021	MW-86C 07/27/2021	MW-86C 01/07/2022	MW-86C 07/18/2022	MW-86C 01/06/2023	MW-86C 07/10/2023	MW-86C 01/25/2024	MW-86C 08/02/2024	MW-87C 02/08/2018	MW-87C 03/27/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	0.0039	0.0045	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.0002					<0.0002								
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**0.0028**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.00018 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.000061 J	0.000066 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000064 J	0.00043	0.00014
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	0.00033 J	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00025	0.000039 J	0.00042	0.00011
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00012	0.000015 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00013	0.000081 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000057	<0.0001	0.00006 J	0.00005 J	<0.000037	<0.000053	<0.000037	<0.000037	<0.000037	0.000058 J	<0.000067	<0.000037	0.000081 J	<0.000037	<0.000037	0.0003	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000072 J	0.00011 J	0.00011 J	0.000073 J	<0.00002	<0.00002	<0.000083	<0.00011	<0.00002	0.000065 J	0.000062 J	<0.00002	0.00039	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000059 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000061 J	0.000049 J	0.00032	0.000063 J
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000028	0.000027 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000074 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000093 J	0.000051 J	0.00027	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.000079 J	<0.00002	0.00012 J	0.00031 J	<0.00075	<0.00022	<0.000034	0.000082 J	<0.000089	<0.00017	0.000067 J	<0.00002	<0.00002	<0.00002	0.00036	0.0014	0.00038
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00036	<0.000086	0.00015	<0.000021	<0.000047	0.000022 J	<0.000021	<0.000021	<0.000021	0.0001	0.00048	0.00015
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00011	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00402	0.00405	0.00236	0.0019 J	0.000645 J	0.000699 J	0.00209	0.00172 J	0.000822 J	0.00505	0.00586	0.00385	0.000539 J	0.000977 J	<0.0004	<0.0004	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-87C 06/07/2018	MW-87C 01/22/2019	MW-87C 07/17/2019	MW-87C 01/20/2020	MW-87C 07/23/2020	MW-87C 01/15/2021	MW-87C 07/23/2021	MW-87C 01/11/2022	MW-87C 07/27/2022	MW-87C 02/01/2023	MW-87C 07/18/2023	MW-87C 01/23/2024	MW-87C 07/30/2024	MW-88A 03/17/2020	MW-88A 05/26/2020	MW-88A 07/15/2020	MW-88A 01/19/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00078 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00064 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.0002													
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0025 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.00041 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00004 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00011 J	<0.00004	<0.00004	0.00029	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	0.000058 J	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	0.000042 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000019 J	<0.000019	<0.000019	0.00023	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00045	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	0.000047 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000027 J	<0.000027	<0.000027	0.00011	0.00024 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000048 J	0.0015	0.0011	0.0035	<0.000027	
Acenaphthylene	*1.5*	*4.4*	0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000014 J	<0.000014	<0.000014	0.000088 J	0.0001 J	0.000014 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000081 J	<0.000014	<0.000014	0.00015	0.000045 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.00005 J	<0.00005	<0.00005	<0.00005	0.00025 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	0.00002 J	<0.00002	<0.00002	0.000066 J	0.00016 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00012 J	<0.000037	<0.00018	<0.000037	<0.000037	<0.000037	<0.000037	0.000064 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.0001 J	0.000064 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	0.000021 J	<0.000021	<0.000021	<0.000021	0.00024 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00002 J	<0.00002	0.00017 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00008 J	<0.000053	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.00002 J	<0.00002	<0.00002	0.00011	0.00012 J	0.000063 J	<0.00002	<0.00002	<0.00002	0.000032 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00038	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00001 J	<0.00001	<0.00001	<0.000086	0.00057 J	<0.00001	0.000053 J	<0.00001	0.000013 J	0.000026 J	<0.00001	<0.00001	0.00014	0.00025	0.00022 J	0.00025	0.000074 J
Fluorene	*0.98*	*2.9*	0.00003 J	<0.00003	<0.00003	0.000093 J	0.00022 J	0.000057 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00026	0.000075 J	0.00089	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.000025 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00002 J	<0.00002	<0.00017	0.0011	<0.00002	<0.00002	<0.00002	<0.00012	<0.00002	0.00025	0.000029 J	<0.00002	0.000031 J	<0.00002	<0.00002	0.0097	<0.00002
Nitrobenzene	*0.049*	*0.15*	0.000024 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	0.000079 J	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000021 J	<0.000021	<0.000021	<0.00028	0.00058 J	0.000056 J	<0.000021	<0.000021	<0.000021	0.000049 J	<0.000021	<0.000021	0.00007 J	<0.000021	0.000027 J	0.000071 J	<0.000021
Phenol	*7.3*	*22*	0.000035 J	<0.000035	0.00013 J	0.00048	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00026	<0.000035
Pyrene	*0.73*	*2.2*	0.000019 J	<0.000019	<0.000019	<0.000057	0.00042 J	<0.000019	0.00004 J	<0.000019	<0.000019	0.00002 J	<0.000019	<0.000019	0.000097 J	0.00053	0.0006	0.00068	0.00026
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	0.000587 J	<0.0004	0.00135 J	0.00135 J	<0.0004	0.000865 J	<0.0004	<0.0004	0.00157 J	0.000491 J	0.00178 J	0.000418 J	0.00355	0.00405	0.00345	0.00208

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-88A 07/08/2021	MW-88A 01/12/2022	MW-88A 07/12/2022	MW-88A 01/11/2023	MW-88A 07/12/2023	MW-88A 01/17/2024	MW-88A 07/29/2024	MW-88B 03/17/2020	MW-88B 05/26/2020	MW-88B 07/16/2020	MW-88B 01/21/2021	MW-88B 07/26/2021	MW-88B 01/14/2022	MW-88B 07/13/2022	MW-88B 01/11/2023	MW-88B 07/12/2023	MW-88B 01/17/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*										<0.0002							
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	0.0006 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.000081 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.000074 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00015	0.00013	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000075 J	0.00025	0.000032 J	0.000058 J	0.0021	<0.000027	0.000049 J	<0.000027	<0.000027	<0.000037	<0.000027	<0.000027	0.00012	0.000057 J	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000056 J	0.000016 J	0.000079 J	<0.000014	0.00011	<0.000014	0.000056 J	<0.000014	<0.000014	0.000043 J	<0.000014	0.000023 J	0.00006 J	0.000019 J	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00017	0.000051 J	0.00046	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000052 J	<0.00006	<0.000093	<0.000037	<0.000037	0.00056	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000028	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000032 J	0.000025 J	<0.00002	<0.000091	<0.00002	<0.00002	<0.00002	0.00015 J	<0.00002	<0.000048	<0.00002	0.000025 J	0.000023 J	<0.00002	<0.000051	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000079 J	<0.00002	<0.00002	0.00085	<0.00002	<0.00002	<0.00002	<0.00002	<0.000024	<0.00002	<0.00002	0.00012	0.000051 J	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00016	0.0002	0.00008 J	<0.00001	0.00027	<0.00001	<0.00001	<0.00001	<0.00001	<0.000044	0.000023 J	<0.00001	0.00005 J	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.000053 J	0.000069 J	<0.00003	<0.00003	0.00048	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000098 J	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00006 J	<0.00014	<0.00002	<0.00002	<0.00002	<0.00002	0.000041 J	<0.00002	<0.00002	<0.000083	<0.00002	<0.00037	0.00049	0.001	<0.00002	<0.000039	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000051 J	0.000095 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000075	<0.000021	0.000066 J	0.00017	0.000023 J	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00069	0.00035	0.00033	<0.000019	0.00055	<0.000019	0.00015	<0.000019	<0.000019	0.000025 J	0.000031 J	<0.000019	0.000038 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00279	0.00185 J	0.0025	0.00232	0.00189 J	0.00147 J	0.00203	0.00166 J	0.00246	0.00268	0.00228	0.00198 J	0.00512	0.00102 J	<0.00222	0.00145 J	0.00154 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-88B 07/29/2024	MW-88C 02/01/2018	MW-88C 03/19/2018	MW-88C 05/24/2018	MW-88C 01/08/2019	MW-88C 07/31/2019	MW-88C 01/14/2020	MW-88C 07/15/2020	MW-88C 01/19/2021	MW-88C 07/13/2021	MW-88C 01/05/2022	MW-88C 07/11/2022	MW-88C 01/11/2023	MW-88C 07/12/2023	MW-88C 01/17/2024	MW-88C 07/29/2024	MW-89B 07/19/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.000052 J	<0.000019	<0.000019	<0.000019	<0.000019	0.00034	0.000077 J	<0.000019	<0.00015	0.000037 J	<0.000019	<0.000019	<0.000019	<0.000019	0.000054 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	0.00041 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.000053 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000051 J	<0.000027	<0.000027	<0.00012	<0.000027	0.000061 J	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00002 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000052 J	<0.000037	0.00017 J	<0.000037	<0.000037	0.000064 J	<0.000037	<0.000037	<0.000037	0.000068 J	0.00007 J	<0.000037	<0.000037	<0.000037	<0.000037	0.000065 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000025 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00002	<0.000078	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000023 J	0.000056 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	0.000063 J	<0.00002	<0.000091	<0.00002	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000025 J	<0.00001	<0.00001	0.000073 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000069	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	0.00011	0.00055	0.00011	<0.000059	<0.00002	<0.00002	0.0058	0.0022	<0.000026	<0.0013	0.00019	<0.00002	<0.000052	<0.00002	<0.00002	0.0009
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00003 J	<0.000021	0.000035 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	0.000054 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00055	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000044 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000943 J	0.000557 J	0.000653 J	0.00346	0.000864 J	<0.0004	0.000862 J	0.000557 J	0.000821 J	0.000739 J	0.000907 J	0.00064 J	<0.00118	0.000681 J	0.000428 J	0.000475 J	0.00138 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-89B 01/22/2019	MW-89B 07/18/2019	MW-89B 01/16/2020	MW-89B 07/22/2020	MW-89B 01/18/2021	MW-89B 07/20/2021	MW-89B 01/14/2022	MW-89B 07/20/2022	MW-89B 02/02/2023	MW-89B 07/18/2023	MW-89B 03/22/2024	MW-89B 07/26/2024	MW-90B 07/19/2018	MW-90B 01/22/2019	MW-90B 07/18/2019	MW-90B 01/20/2020	MW-90B 07/22/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*											<0.0002	<0.0002				<0.0002	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000075 J	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00005 J	<0.000032	<0.000019	<0.000019	<0.000019	0.00052	<0.000019	<0.000019	<0.000019	<0.000019	0.00023	<0.000019	<0.000019	<0.000019	0.00034	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000083	<0.000027	<0.000027	<0.000027	0.00013	<0.000027	<0.000027	<0.000027	<0.000027	0.00016	<0.000027	<0.000027	<0.000027	0.00015	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.000045 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.0002	<0.000014	<0.000014	<0.000014	0.000032 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000042 J	<0.000014	<0.000014	<0.000014	0.00014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<0.00005	0.00017	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	0.000079 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00015 J	0.000099 J	<0.000037	<0.00011	0.000061 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000097 J	<0.000037	0.00011 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.00024	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000038 J	0.000034 J	<0.00002	<0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00057	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000071 J
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00011	<0.00002	<0.00002	<0.00002	0.00016	<0.00002	<0.00002	<0.00002	<0.00002	0.00033	<0.00002	<0.00002	<0.00002	0.00011	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.0012	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00012	0.000055 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00018	<0.00003	<0.00003	<0.00003	0.000077 J	<0.00003	<0.00003	<0.00003	<0.00003	0.00022	<0.00003	<0.00003	<0.00003	0.00013	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	0.00025	<0.00029	<0.0002	<0.00002	0.000051 J	0.0034	0.000038 J	0.00012	<0.00002	0.000031 J	0.0016	<0.00002	0.000045 J	0.000091 J	0.003	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.00083	0.000058 J	<0.000021	<0.000021	0.00015	<0.000021	<0.000021	<0.000021	<0.000021	0.0003	<0.000021	<0.000021	<0.000021	0.0004	0.00004 J
Phenol	*7.3*	*22*	<0.000035	0.00042	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00019 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00081	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000077	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000683 J	<0.0004	0.000463 J	0.00193 J	0.000715 J	0.00121 J	0.000936 J	0.000693 J	0.001 J	0.000702 J	0.000827 J	0.0012 J	0.00169 J	0.00346	**0.0135**	0.0029	0.00814

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-90B 01/14/2021	MW-90B 07/19/2021	MW-90B 01/14/2022	MW-90B 07/27/2022	MW-90B 01/12/2023	MW-90B 07/19/2023	MW-90B 01/22/2024	MW-91A 03/12/2020	MW-91A 05/21/2020	MW-91A 07/23/2020	MW-91A 01/20/2021	MW-91A 07/21/2021	MW-91A 07/21/2021 Duplicate	MW-91A 01/20/2022	MW-91A 01/20/2022 Duplicate	MW-91A 07/27/2022	MW-91A 07/27/2022 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.000042	<0.00004	<0.00004	0.00026	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000061	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000044	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.00002	<0.000019	<0.000019	0.011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	<0.000028	<0.000027	<0.000027	0.007	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000016	<0.000015	<0.000015	0.00026	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	<0.000014	<0.000015	<0.000014	<0.000014	0.0003	0.000044 J	0.000022 J	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.000053	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	0.000041 J	<0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.000032	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000064	<0.000037	<0.000037	<0.000037	<0.000037	<0.00037	<0.000037	<0.000039	<0.000037	<0.000037	<0.0001	0.000099 J	0.000037 J	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	0.000061	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00062	<0.00002	<0.00002	<0.00002	0.000021 J	<0.0002	<0.00002	0.000031 J	0.00019 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.000021	<0.00002	<0.00002	0.0046	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	0.000045 J	<0.0001	<0.00001	<0.000011	<0.00001	<0.00001	0.00012	0.0001	0.000057 J	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.000032	<0.00003	<0.00003	0.0038	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.0002	<0.00002	0.000083 J	0.00037	<0.00002	0.093	<0.00019	<0.00034	<0.00002	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000083	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000022	<0.000021	<0.000021	0.0029	0.000098 J	0.000044 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000037	<0.000035	<0.000035	0.00011 J	<0.000035	0.000051 J	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	0.000033 J	<0.00019	<0.000019	<0.00002	<0.000019	<0.000019	0.000062 J	0.000099 J	0.000055 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00314	0.00111 J	**0.0106**	**0.0129**	0.0036	0.00138 J	0.00106 J	0.00989	**0.0169**	**0.0197**	**0.0179**	**0.0187**	**0.014**	**0.0188**	**0.0206**	**0.0217**	**0.0232**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-91A 02/02/2023	MW-91A 02/02/2023 Duplicate	MW-91A 07/18/2023	MW-91A 07/18/2023 Duplicate	MW-91A 01/23/2024	MW-91A 01/23/2024 Duplicate	MW-91A 07/30/2024	MW-91A 07/30/2024 Duplicate	MW-92B 03/12/2020	MW-92B 05/21/2020	MW-92B 07/22/2020	MW-92B 01/14/2021	MW-92B 07/19/2021	MW-92B 01/14/2022	MW-92B 07/26/2022	MW-92B 01/12/2023	MW-92B 07/19/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00049 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00053 J	<0.00004 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.00031 J	<0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019 J	0.0007 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00024	<0.000019	<0.000019	<0.00019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.000059 J	<0.000027 J	0.00026	<0.000027	<0.000027	<0.000027	<0.000027 J	<0.00017	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00016	<0.000027	<0.000027	<0.00027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00026	<0.000055	<0.000014	<0.00014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000044 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00006	0.000062 J	<0.000037	<0.000037	<0.000037	<0.00037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000023 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
Dibenzofuran	*0.098*	*0.29*	0.000061 J	<0.00002 J	0.00005 J	<0.00002	<0.00002	<0.00002	<0.00002 J	0.00019 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00038	<0.00002	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000054 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000087 J	<0.00001	<0.00001	<0.0001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.00017	<0.00003	<0.00003	<0.00003	<0.00003 J	0.000058 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0002	<0.00003	<0.00003	<0.0003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Naphthalene	*0.49*	*1.5*	0.0063 J	0.000087 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	0.013 J	<0.00002	<0.00002	<0.0001	<0.00002	<0.00002	0.005	<0.00021	<0.00002	<0.0002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.000033 J	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00028	<0.000041	<0.000021	<0.00021
Phenol	*7.3*	*22*	0.00051 J	<0.000035 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.000028 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000061 J	<0.000019	<0.000019	<0.00019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0158**	**0.017**	**0.0363**	**0.0292**	0.00587 J	**0.0124 J**	**0.0113**	**0.0111**	0.00201	0.0038	0.00478	0.00633	0.00308	0.00324	0.00408	0.00398	0.000871 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-92B 01/22/2024	MW-92B 07/24/2024	MW-93B 03/12/2020	MW-93B 05/22/2020	MW-93B 07/22/2020	MW-93B 01/14/2021	MW-93B 07/19/2021	MW-93B 01/14/2022	MW-93B 07/26/2022	MW-93B 01/26/2023	MW-93B 07/18/2023	MW-93B 01/22/2024	MW-93B 07/24/2024	MW-94A 03/12/2020	MW-94A 05/22/2020	MW-94A 07/20/2020	MW-94A 01/12/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	0.00092 J	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*		<0.0002											<0.0002				
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00006	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000049 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	<0.000038
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.000039 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000061	<0.000027	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00006	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000052	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000038	0.000053 J	0.00013 J	<0.00011	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000056 J	<0.000037	0.00004 J	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.000068 J	0.000052 J	0.00029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	0.000072 J	<0.00002	<0.000055
Dibenzofuran	*0.098*	*0.29*	0.000055 J	<0.00002	0.000071 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000033	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00002 J
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000033	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000019 J	0.000031 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000058 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000043	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.0003	<0.00002	<0.00002	<0.00002	<0.00002	0.000077 J	0.000063 J	0.00014	<0.00007	<0.00002	<0.00002	0.00014	0.00002	<0.000021	<0.00002	<0.00002	<0.00025
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.00016	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000058	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000037
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000024	<0.000019	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	0.000022 J
Metals																			
Arsenic	*0.01*	*0.01*	0.00145 J	0.00154 J	0.00455	**0.0133**	0.00967	**0.0182**	0.00428	0.00952	0.00158 J	0.00379	0.0012 J	0.00266	0.00195 J	0.0054	0.006	0.00455	0.00762

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-94A 07/19/2021	MW-94A 01/25/2022	MW-94A 07/26/2022	MW-94A 01/26/2023	MW-94A 07/20/2023	MW-94A 01/23/2024	MW-94A 07/24/2024	MW-95A 03/17/2020	MW-95A 05/22/2020	MW-95A 07/20/2020	MW-95A 01/13/2021	MW-95A 07/14/2021	MW-95A 01/25/2022	MW-95A 07/22/2022	MW-95A 01/26/2023	MW-95A 07/21/2023	MW-95A 01/25/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*							<0.0002										
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000036 J	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00033	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00052	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000048	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000095 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.00002	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000015 J	<0.000014	<0.000014	<0.000014	0.000017 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000058 J	0.000079 J	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00036	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000033 J	<0.00002	<0.00002	<0.00002	0.00014	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.000097	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000059 J	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.000098	0.00002 J	<0.00002	<0.00002	<0.00002	<0.000012	<0.00002	<0.00002	<0.00002	<0.000056	<0.00002	<0.000086	0.000023 J	0.0062	0.0012
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000064	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000032 J	<0.000021	<0.000021	<0.000027	<0.000021	0.000068 J	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000071	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.0039	0.00168 J	0.00203	0.00435	0.00931	0.000735	0.00488	0.000659 J	0.00254	0.00378	<0.00194	<0.00274	0.00306	<0.0004	0.00276	0.000945 J	0.000659 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-95A 08/05/2024	MW-96B 03/17/2020	MW-96B 03/17/2020 Duplicate	MW-96B 05/22/2020	MW-96B 07/20/2020	MW-96B 01/13/2021	MW-96B 07/19/2021	MW-96B 01/24/2022	MW-96B 07/22/2022	MW-96B 01/26/2023	MW-96B 07/21/2023	MW-96B 01/25/2024	MW-96B 08/05/2024	MW-97A 03/12/2020	MW-97A 05/26/2020	MW-97A 07/16/2020	MW-97A 01/11/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.000372	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00046	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.000455	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.000385	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00173	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.000475	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.00124	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.0013 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000042
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000061
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000044
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.0014	<0.000019	0.000051 J	<0.000019	<0.000019	<0.000019	<0.00002
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000049
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	0.000042 J	<0.000027	<0.000027	<0.000027	<0.000028
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000039 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000016
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	0.000046 J	<0.000015
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000032
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00035	0.00013 J	<0.000037	<0.000037	0.00017 J	<0.000037	<0.000037	<0.000037	0.000037 J	<0.00037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000039
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000041	<0.00002	<0.00002	0.000077 J	<0.00002	0.000035 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	0.000084 J	<0.00002	0.00023
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	0.000056 J	<0.00002	<0.00002	<0.000024	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	<0.00001	0.000013 J	<0.00001	<0.0001	<0.00001	0.000033 J	<0.00001	<0.00001	<0.000033	<0.000011
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	0.000042 J	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.000083 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.000062	0.000023 J	0.021	<0.00002	<0.000096	<0.00002	<0.00002	<0.00018	<0.000021
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000083
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000023	<0.000021	<0.00021	<0.000021	<0.000078	<0.000021	<0.000021	<0.000087	<0.000022
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000037
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	0.000025 J	<0.00002
Metals																			
Arsenic	*0.01*	*0.01*	<0.000617	0.00312	0.00311	0.00179 J	0.00192 J	<0.000972	<0.0004	<0.0004	<0.0004	<0.0004	0.000895 J	0.000645 J	<0.0004	0.00121 J	0.00438	0.00478	0.000781 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-97A 07/13/2021	MW-97A 01/10/2022	MW-97A 07/14/2022	MW-97A 01/17/2023	MW-97A 07/09/2023	MW-97A 01/16/2024	MW-97A 07/24/2024	MW-98A 03/12/2020	MW-98A 05/26/2020	MW-98A 07/16/2020	MW-98A 01/11/2021	MW-98A 07/13/2021	MW-98A 01/10/2022	MW-98A 07/14/2022	MW-98A 01/06/2023	MW-98A 07/09/2023	MW-98A 01/16/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00024 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00065 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000078 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.00054	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.00014	<0.000027	<0.000027	<0.000027	<0.000027	0.00004 J	<0.000027	<0.00003	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000022 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000055 J	0.00008 J	0.000028 J	<0.000014	<0.000014	0.00004 J	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000085	0.000058 J	<0.00064	<0.000037	0.000086 J	<0.000037	<0.000037	<0.000038	0.000068 J	<0.000037	0.000089 J	<0.000079	<0.000037	<0.000037	<0.000037	0.00013 J	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000028	<0.00002	0.00061	<0.00002	<0.00002	<0.00002	0.000027 J	<0.00002	0.00025	<0.00002	<0.00002	<0.00002	<0.00002	0.00067	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00018	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	0.000046 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000047 J	<0.00001	<0.00001	<0.00001	<0.00001	0.000018 J	0.000023 J	<0.000033	0.000044 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000046 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.000051	0.000056 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.0035	<0.00002	<0.00002	<0.00002	<0.00002	0.000042 J	<0.00002	<0.00011	0.0001	<0.00002	0.000092 J	<0.000098	<0.00002	<0.00002	0.000049 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	0.00008 J	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000048 J	<0.0001	0.0001	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.000038 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000031 J	0.000025 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000695 J	0.000907 J	0.000546 J	0.000417 J	0.000962 J	0.000402 J	0.000716 J	0.00963	**0.0119**	**0.0187**	0.00968	**0.0119**	**0.0134**	**0.011**	**0.013**	0.00933	0.00314

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-98A 09/06/2024	MW-98B 03/12/2020	MW-98B 05/26/2020	MW-98B 07/16/2020	MW-98B 01/11/2021	MW-98B 07/27/2021	MW-98B 01/06/2022	MW-98B 07/14/2022	MW-98B 01/06/2023	MW-98B 07/09/2023	MW-98B 01/16/2024	MW-98B 09/06/2024	MW-99C 03/11/2020	MW-99C 05/22/2020	MW-99C 07/22/2020	MW-99C 01/25/2021	MW-99C 07/23/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	0.002	0.00054 J	0.0006 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00078 J	0.00051 J	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.000041	<0.00004	<0.00004	0.00024	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000052 J	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.00002	0.000037 J	<0.000019	0.000063 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000086 J	0.000036 J	0.00005 J	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000028	<0.000027	<0.000047	0.000074 J	<0.000027	0.000088 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	0.000068 J	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000028 J	0.000064 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000038	<0.000037	<0.000037	<0.000037	<0.000037	<0.000076	<0.00059	<0.000037	0.00004 J	<0.000037	<0.000037	0.00007 J	<0.000037	<0.000037	<0.00011	0.000061 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.00011 J	<0.00003	<0.00014	<0.00002	<0.00002	<0.000021	<0.00002	0.00026	<0.00002	<0.00002	<0.00002	0.00019 J	0.00019 J	<0.000029	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.000038	0.000098 J	<0.00002	0.000085 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.000038	0.000072 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000013 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.000031	<0.00003	<0.00006	0.00017	<0.00003	0.000098 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.00002	0.000036 J	<0.00002	<0.00016	0.00032	<0.00011	<0.00026	<0.000039	<0.00002	<0.00002	0.000029 J	<0.00002	0.00018	0.0004	0.00077 J	<0.000072	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.00013	0.00034	<0.000021	0.000052 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	0.00004 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	0.000022 J	0.000048 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00567	0.00165 J	0.00214	0.00302	0.0029	0.00468	0.00454	0.00128 J	0.00311	0.00155 J	0.00239	0.00203	0.000866 J	0.000455 J	0.00102 J	0.000581 J	0.00145 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-99C 01/20/2022	MW-99C 07/19/2022	MW-99C 02/02/2023	MW-99C 07/21/2023	MW-99C 01/24/2024	MW-99C 07/31/2024	P-10 01/29/2008	P-10 01/29/2008 Duplicate	P-10 07/16/2008	P-10 01/22/2009	P-10 07/22/2009	P-10 07/22/2009 Duplicate	P-10 01/22/2010	P-10 01/22/2010 Duplicate	P-10 07/14/2010	P-10 07/14/2010 Duplicate	P-10 01/12/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.00052								
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.00025								
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003			<0.00047								
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003			<0.00025								
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.00054								
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.00041								
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003			<0.00127								
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J											
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004 J											
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058 J											
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042 J											
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J											
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019 J											
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	0.00021 J	<0.00002 J											
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047 J											
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027 J	0.00373	0.00854	0.0106	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015 J	<0.00028	<0.00028	0.00053	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014 J	0.000703	0.00036 J	0.000747	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005 J											
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J											
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J											
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	0.000062 J	<0.000037	<0.000037	<0.000037 J	0.00023 J	<0.00019	0.00022 J	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J											
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	0.000049 J	<0.00002 J	<0.00019	<0.00019	0.00092 J	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	0.000713	0.00175	0.00176	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000015 J	<0.00001	0.000043 J	<0.00001 J	0.000506	0.00025 J	0.00022 J	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	0.000668	0.00251	0.00245	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025 J											
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.000053 J	0.000074 J	<0.00002 J	<0.00038	<0.00037	0.00079	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024 J											
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	0.00016 J	<0.000079 J											
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J											
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035 J	<0.00019	<0.00019	<0.00021	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.000022 J	<0.000019	0.000042 J	<0.000019 J	0.00039 J	<0.00019	<0.00021	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Metals																			
Arsenic	*0.01*	*0.01*	0.000943 J	<0.0004	0.000836 J	0.000469 J	0.00147 J	0.000778 J											

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-10 07/12/2011	P-10 07/12/2011 Duplicate	P-10 01/31/2012	P-10 01/31/2012 Duplicate	P-10 07/11/2012	P-10 07/11/2012 Duplicate	P-10 01/10/2013	P-10 01/10/2013 Duplicate	P-10 07/11/2013	P-10 07/11/2013 Duplicate	P-10 01/09/2014	P-10 01/09/2014 Duplicate	P-10 07/02/2014	P-10 07/02/2014 Duplicate	P-10 01/07/2015	P-10 01/07/2015 Duplicate	P-10 07/08/2015
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*													0.0000718 J	0.000891 J			
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000755	<0.0000808	<0.0000812	0.000102 J	0.000966	0.01 J	0.0169 J	<0.0000792	<0.0000792	0.023
Acenaphthylene	*1.5*	*4.4*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000566	<0.0000606	<0.0000609	<0.0000556	0.0000571 J	0.0000588 J	0.000265 J	<0.0000594	<0.0000594	0.00012
Anthracene	*7.3*	*22*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0000472 J	0.000148 J	0.000133 J	0.000181 J	0.000323 J	0.000369 J	0.000375 J	0.000473 J	0.000122 J	0.000115 J	0.00039
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0005	0.0015 J	<0.0005	<0.0005	<0.0005	<0.0005	0.000906	0.00112	0.000492 J	0.000575	<0.000343	<0.000343	0.00127	0.00133	0.000853 J	0.00155 J	0.0006 J
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000104	<0.000111	<0.000112	<0.000262	<0.000309	0.000108 J	0.000321 J	<0.000109	<0.000119	<0.000044
Dibenzofuran	*0.098*	*0.29*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000755	<0.0000808	<0.0000812	<0.0000741	0.000135 J	0.00205 J	0.00304 J	<0.0000792	<0.0000792	0.0024
Fluoranthene	*0.98*	*2.9*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.000066	<0.0000707	<0.0000711	<0.0000648	<0.0000648	0.00042 J	0.00039 J	0.000114 J	0.000113 J	0.0006
Fluorene	*0.98*	*2.9*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.000066	<0.0000707	<0.0000711	<0.0000648	0.000262 J	0.00393	0.00514	<0.0000693	<0.0000693	0.0046
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000755	<0.0000808	<0.0000812	<0.0000741	<0.0000741	0.0000784 J	0.000924 J	<0.0000792	<0.0000792	0.019
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*													0.000575 J	0.000808 J			
Phenol	*7.3*	*22*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0000377	<0.0000404	<0.0000406	<0.000037	<0.000037	<0.0000392	<0.0000396	<0.0000396	<0.0000396	<0.000035
Pyrene	*0.73*	*2.2*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000104	<0.000111	<0.000112	<0.000102	<0.000102	0.000318 J	0.000306 J	<0.000109	<0.000109	0.00038
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-10 07/08/2015 Duplicate	P-10 01/13/2016	P-10 01/13/2016 Duplicate	P-10 07/07/2016	P-10 07/07/2016 Duplicate	P-10 01/12/2017	P-10 01/12/2017 Duplicate	P-10 07/13/2017	P-10 07/13/2017 Duplicate	P-10 01/04/2018	P-10 01/04/2018 Duplicate	P-10 07/19/2018	P-10 07/19/2018 Duplicate	P-10 01/08/2019	P-10 01/08/2019 Duplicate	P-10 07/01/2019	P-10 01/13/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*																	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.022	<0.000027	<0.000027	<0.000027	<0.000027	0.000027 J	0.000078 J	<0.000027	<0.000027	<0.000027	0.0033	0.041	0.043	<0.000027	<0.000027	0.0028	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.00012	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00038	0.00032	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00033	0.000014 J	0.00007 J	<0.000014	<0.000014	0.000014 J	0.000081 J	<0.000014	<0.000014	<0.000014	0.00017	0.00058	0.0006	0.00025	0.00021	0.000065 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00032 J	0.0002 J	0.00035 J	0.00029	0.0003	0.00025 J	0.00018 J	0.000097 J	0.00016 J	<0.00024	<0.00017	<0.00019	<0.00022	<0.000061	<0.000057	0.00029	<0.000037
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000059	<0.000058	<0.00011	<0.000046	<0.000031	<0.00002	<0.00002	<0.00002	<0.00002	<0.000042	<0.000034	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.0021	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 J	0.000055 J	<0.00002	<0.00002	0.00029	0.00093	0.0047	0.0042	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00047	<0.00001	<0.00001	<0.00001	<0.00001	0.00001 J	0.000088 J	<0.00001	<0.00001	0.00017	0.00016	0.00099	0.001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.0038	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00042	0.0012	0.0073	0.007	<0.00003	0.00003 J	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	0.018	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0034	0.00014	0.000056 J	<0.00002	<0.00002	0.000063 J	0.00017
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*																	
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.0014	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00029	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019	0.00049	0.00048	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-10 07/14/2020	P-10 07/14/2020 Duplicate	P-10 01/06/2021	P-10 01/06/2021 Duplicate	P-10 07/07/2021	P-10 07/07/2021 Duplicate	P-10 01/04/2022	P-10 01/04/2022 Duplicate	P-10 07/06/2022	P-10 07/06/2022 Duplicate	P-10 01/04/2023	P-10 01/04/2023 Duplicate	P-10 07/06/2023	P-10 07/06/2023 Duplicate	P-10 01/03/2024	P-10 01/03/2024 Duplicate	P-10 07/22/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*																	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.00018	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027 J	0.000075 J	<0.000027 J	0.00014 J	0.011 JL
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015 J	0.000034 J	<0.000015	<0.000015	0.000043 JL
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000026	<0.000014	<0.000014	<0.000014	<0.000014	0.000034 J	0.000049 J	<0.000014	<0.000014	0.000095 JL
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0001 J	<0.000037	<0.00019	<0.00013	<0.00008	<0.000037	<0.00011	<0.00011	<0.000071	<0.00014	0.00014 J	0.00014 J	<0.000037 J	0.000082 J	<0.000037 J	0.00012 J	0.000037 R
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000032 J	0.000025 J	<0.000046 J	0.00029 J	<0.00002	<0.00002	<0.00002	<0.000028	<0.00002	<0.00002	<0.00002	0.000031 J	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 R
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00027 JL
Fluoranthene	*0.98*	*2.9*	0.000045 J	0.00005 J	0.000017 J	0.000024 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000047 J	0.000062 J	<0.00001	<0.00001	0.00023 JL
Fluorene	*0.98*	*2.9*	0.00012	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000059 J	0.000073 J	<0.00003 J	0.00011 J	0.0001 JL
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000064 J	<0.00002	<0.00002	<0.00002	0.00007 J	0.000035 J	<0.00002	<0.00002	0.00074 JL
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*																	
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000035 R
Pyrene	*0.73*	*2.2*	0.000068 J	0.00006 J	0.000029 J	0.000023 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000085 J	0.00023 J	<0.000019	<0.000019	0.0001 JL
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
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4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-10 07/22/2024 Duplicate	P-11 01/30/2008	P-11 07/15/2008	P-11 02/04/2009	P-11 01/21/2010	P-11 06/22/2010	P-11 01/18/2011	P-11 07/27/2011	P-11 02/02/2012	P-11 07/26/2012	P-11 02/05/2013	P-11 08/01/2013	P-11 01/15/2014	P-11 07/29/2014	P-11 01/24/2018	P-11 03/23/2018	P-11 05/24/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*		<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*		<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	0.000207 J	<0.00008	<0.0002	<0.0002	0.00021 J
Chlorobenzene	*0.1*	*0.1*		<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*		<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	0.000253 J	<0.00011	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*		<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001
Toluene	*1*	*1*		<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*											<0.00011						
Xylenes (total)	*10*	*10*		<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	0.00032 J
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*		<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*		<0.00031	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**R**	<0.000295	<0.000292	<0.000304	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*		<0.00021	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127	<0.000058	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*		<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*		<0.00042	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*		0.000783	<0.00038	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00023	<0.000052	0.000127 J	<0.0000667	0.000257 J	<0.0000686	<0.000019	<0.000019	0.00015
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*		<0.00021	<0.00047	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**R**	<0.00079	<0.000783	<0.000814	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*		<0.00026	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**R**	<0.000533	<0.000528	<0.000549	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.012 JL	0.0776	<0.00028	0.0057	<0.00009	0.0037	<0.00009	0.00075	0.03	0.018	<0.0000755	<0.0000762	0.00951	0.000653	<0.000027	0.00021	0.081
Acenaphthylene	*1.5*	*4.4*	0.000015 R	<0.00031	<0.00028	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	0.0002	0.0001 J	<0.0000566	<0.0000571	<0.0000566	<0.0000588	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00015 JL	0.00356	<0.00019	0.00015 J	<0.00007	0.00012 J	<0.00007	0.00012 J	0.0016	0.00039	0.00025 J	0.0000997 J	0.000503	0.000119 J	<0.000014	<0.000014	0.0037
Benzo(a)anthracene	*0.0091*	*0.02*		<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.00005	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*		**<0.00021**	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*		<0.00042	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000037 R	0.00116 J	<0.00019	0.00022	<0.00051	<0.00021	0.0016	0.00018 J	<0.00013	0.00021	0.00036 J	0.000593 J	0.00403	<0.000711	0.00018 J	<0.000037	0.000063 J
Chrysene	*0.91*	*2*		<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00002 R	<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108	<0.00002	<0.00002	0.000025 J
Dibenzofuran	*0.098*	*0.29*	0.00035 JL	<0.00031	<0.00028	0.00024	<0.00008	0.000093 J	<0.00008	0.00013 J	0.0035	0.00059	0.000135 J	<0.0000762	0.00103	0.000176 J	<0.00002	<0.00002	0.0016
Fluoranthene	*0.98*	*2.9*	0.00027 JL	0.0061	<0.00019	<0.00007	<0.00007	0.00042	<0.00007	0.000081 J	0.0022	0.00048	<0.000066	<0.0000667	0.000287 J	0.0000771 J	0.000038 J	<0.00001	0.0056
Fluorene	*0.98*	*2.9*	0.00016 JL	0.0219	<0.00019	0.0018	<0.00007	0.0016	<0.00007	0.000082 J	0.011	0.0044 J	0.0000769 J	<0.0000667	0.00264	0.000344 J	0.000045 J	<0.00003	0.037
N-Nitrosodiphenylamine	*0.19*	*0.42*		<0.00026	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.000098	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.00088 JL	0.0324	<0.00038	0.0027	<0.0001	0.0027	<0.0001	0.00013 J	0.0017	<0.00026	0.000662	<0.0000762	0.0554	<0.0000784	<0.00002	<0.00002	0.0024
Nitrobenzene	*0.049*	*0.15*		<0.00042	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*		<0.00021	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.000581	<0.000575	<0.000598	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*		0.0196	<0.00019	0.00048	<0.00007	0.00053	<0.00007	0.000086 J	0.0045	0.00055	0.0000854 J	<0.0000571	0.00189	<0.000317	<0.000021	<0.000021	0.04
Phenol	*7.3*	*22*	0.000035 R	<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00015	<0.00005	R	<0.0000381	<0.0000377	<0.0000392	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00013 JL	0.00369	<0.00019	<0.00007	<0.00007	0.00015 J	<0.00007	<0.00005	0.0013	0.00023	<0.000104	<0.000105	0.000274 J	<0.000108	0.000039 J	<0.000019	0.0032
Metals																			
Arsenic	*0.01*	*0.01*															**0.0374**	**0.016**	**0.0622**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-11 01/09/2019	P-11 07/11/2019	P-11 01/14/2020	P-11 07/16/2020	P-11 01/13/2021	P-11 07/07/2021	P-11 01/07/2022	P-11 07/13/2022	P-11 01/10/2023	P-11 07/11/2023	P-11 01/18/2024	P-11 08/02/2024	P-12 01/29/2008	P-12 07/16/2008	P-12 07/16/2008 Duplicate	P-12 01/22/2009	P-12 01/22/2009 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000372		<0.00109	<0.00052		
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00046		<0.00112	<0.00025		
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000455		<0.0015	<0.00047		
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.000385		<0.00142	<0.00025		
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00173		<0.00122	<0.00054		
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000475		<0.00138	<0.00041		
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00124		<0.00302	<0.00127		
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	0.00014 J	0.00086	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021					
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004					
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058					
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042					
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021					
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00005 J	0.000076 J	<0.000019	0.001	<0.000019	0.00048	<0.000019	0.00017	<0.000019	<0.000019	0.0045					
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002					
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047					
Acenaphthene	*1.5*	*4.4*	<0.000027	0.0019	0.0046	0.0008	0.091	0.0015	0.02	0.00039	0.0037	0.00058	0.00055	0.063	<0.00029	<0.0003	<0.0003	<0.0008	<0.0008
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	0.00033	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.0003	<0.0003	<0.0007	<0.0007
Anthracene	*7.3*	*22*	<0.000014	0.000063 J	0.000081 J	0.000078 J	0.0036	<0.000014	0.00042	0.00002 J	0.00014	<0.000014	<0.000014	0.0033	0.000645	0.000552	0.000566	<0.0007	<0.0007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005					
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002					
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	0.00007 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003					
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000087 J	<0.000037	<0.000068	<0.000037	0.00019 J	0.000093 J	0.000052 J	0.00014 J	<0.000037	<0.000037	<0.000037	<0.00019	0.00034 J	0.00064 J	<0.0012	<0.0012
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021					
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.000025	<0.00002	0.000055 J	<0.00002	<0.00002	<0.00002	0.000051 J	<0.00002	<0.00002	<0.00019	0.00085 J	0.00087 J	<0.0007	<0.0007
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000079 J	0.00016	<0.00019	0.0032	0.000084 J	0.0015	0.000059 J	0.00054	0.00011	0.00012	0.025	<0.00029	<0.0003	<0.0003	<0.0007	<0.0007
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00006 J	<0.00001	0.00022	0.0039	0.000085 J	0.00037	0.00012	0.0001	<0.00001	<0.00001	0.0037	<0.00019	<0.0002	<0.0002	<0.0006	<0.0006
Fluorene	*0.98*	*2.9*	<0.00003	0.00074	0.0013	<0.00017	0.041	0.00015	0.0055	0.000068 J	0.0014	0.000087	0.0001	0.03	<0.00019	<0.0002	<0.0002	<0.0008	<0.0008
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.0001 J	0.000025 J	<0.000025	<0.000025	<0.000025					
Naphthalene	*0.49*	*1.5*	<0.00002	<0.0018	0.00048	<0.00011	0.0018	<0.00022	<0.00041	0.00011	0.0022	<0.00002	<0.00002	0.14	<0.00038	0.000626	0.000639	<0.0008	<0.0008
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024					
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079					
Phenanthrene	*0.73*	*2.2*	<0.000021	0.0002	0.00035	<0.00024	<0.037	<0.000021	0.0029	<0.000021	0.00067	<0.000021	<0.000021	0.036					
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.0002	<0.0002	<0.0015	<0.0015
Pyrene	*0.73*	*2.2*	<0.000019	0.000036 J	<0.000019	0.0001	0.0021	0.000039 J	0.0002	0.000059 J	0.000055 J	<0.000019	<0.000019	0.0018	0.00932	0.00211	0.00166	0.0026 J	0.0012 J
Metals																			
Arsenic	*0.01*	*0.01*	**0.0183**	**0.0704**	**0.036**	**0.0116**	**0.0867**	0.00921	**0.0933**	**0.0444**	**0.0704**	**0.0451**	**0.0523**	**0.0562**					

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-12 07/22/2009	P-12 01/22/2010	P-12 07/14/2010	P-12 01/12/2011	P-12 07/12/2011	P-12 01/31/2012	P-12 07/11/2012	P-12 01/09/2013	P-12 07/11/2013	P-12 01/09/2014	P-12 07/02/2014	P-12 01/07/2015	P-12 07/08/2015	P-12 01/13/2016	P-12 07/07/2016	P-12 01/12/2017	P-12 07/13/2017
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*																	
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.0009										<0.000066						
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0000755	<0.00008	<0.0000741	<0.0000755	<0.0000792	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.00006	<0.0000556	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000472	<0.00005	0.0002 J	0.000189 J	<0.0000495	<0.000014	<0.000014	0.000026 J	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*																	
Benzo(a)pyrene	*0.0002*	*0.0002*																	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	0.00142 J	0.00039 J	0.000515 J	0.000439 J	<0.000366	0.00055	0.00036	0.000086 J	0.00029	0.00026
Chrysene	*0.91*	*2*																	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.00011	<0.000416	0.000144 J	<0.000109	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.00008	<0.0000741	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.00007	<0.0000648	<0.000066	<0.0000693	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.000066	<0.00007	<0.0000648	<0.000066	<0.0000693	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Naphthalene	*0.49*	*1.5*	<0.0006	<0.0006	<0.0006	0.0006 J	<0.0005	<0.0005	<0.0005	<0.0000755	<0.00008	<0.0000741	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*	<0.0005										<0.0000566						
Phenol	*7.3*	*22*	<0.0005	<0.0005	<0.0005	0.0005 J	<0.0005	<0.0005	<0.0005	<0.0000377	<0.00004	<0.000037	<0.0000377	<0.0000396	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.00011	<0.000102	0.00189	0.00152 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-12 01/04/2018	P-12 07/19/2018	P-12 01/07/2019	P-12 07/01/2019	P-12 01/13/2020	P-12 07/15/2020	P-12 01/06/2021	P-12 07/07/2021	P-12 01/03/2022	P-12 07/05/2022	P-12 01/03/2023	P-12 07/05/2023	P-12 01/02/2024	P-12 07/23/2024	TW-41B 01/19/2010	TW-41B 07/27/2011	TW-41B 02/01/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*															<0.0005	<0.001	<0.001
Benzene	*0.005*	*0.005*															<0.0005	<0.001	<0.001
Chlorobenzene	*0.1*	*0.1*															<0.0005	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*															<0.0005	0.0075	<0.0011
Methylene chloride	*0.005*	*0.005*															<0.0005	<0.0013	<0.0013
Toluene	*1*	*1*															<0.0005	0.0033 J	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*															<0.001	0.0052 J	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*															<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*															<0.00008	<0.00005	0.00005 J
2,4-Dinitrotoluene	*0.0013*	*0.003*															<0.00009	<0.00005	0.00005 J
2,6-Dinitrotoluene	*0.0013*	*0.003*															<0.00007	<0.00006	0.00006 J
2-Chloronaphthalene	*2*	*5.8*															<0.0001	<0.00005	0.00005 J
2-Methylnaphthalene	*0.098*	*0.29*															<0.00007	0.015	0.00005 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*															<0.00007	<0.00005	0.00005 J
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000028 J	<0.00009	0.041	0.00005 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00007	0.00053	0.00005 J
Anthracene	*7.3*	*22*	0.000036 J	<0.000014	0.000063 J	0.000052 J	0.0001	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000029 J	<0.000014	0.000028 J	<0.00007	0.0022	0.00016 J
Benzo(a)anthracene	*0.0091*	*0.02*															<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*															<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*															<0.00009	<0.00005	0.00005 J
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00012	<0.00009	<0.000037	<0.000037	<0.000037	<0.000037	<0.00004	<0.000037	<0.000062	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.0011	0.00022	<0.00023
Chrysene	*0.91*	*2*															<0.00007	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000022	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000041 J	<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000056 J	<0.00008	0.029	0.00005 J
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000023 J	<0.00001	<0.00001	<0.00001	<0.00001	0.000041 J	<0.00001	<0.00001	<0.00007	0.0022	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000058 J	<0.00003	0.000031 J	0.00015 J	0.028	0.00005 J
N-Nitrosodiphenylamine	*0.19*	*0.42*															<0.00009	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	0.00016	<0.00002	<0.00002	<0.00002	<0.00002	0.00038	<0.00002	0.000047 J	<0.00002	0.00027	0.00014 J	0.049	0.00051 J
Nitrobenzene	*0.049*	*0.15*															<0.00009	<0.00005	0.00005 J
Pentachlorophenol	*0.001*	*0.001*															<0.00008	<0.00005	0.00005 J
Phenanthrene	*0.73*	*2.2*															<0.00007	0.019	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000073 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00005	0.000057 J
Pyrene	*0.73*	*2.2*	0.000097 J	<0.000019	<0.000019	<0.000019	0.00063	<0.000019	0.00092	<0.000019	<0.000019	<0.000019	<0.000019	0.000074 J	<0.000019	<0.000019	<0.00007	0.00095	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	TW-41B 07/26/2012	TW-41B 02/05/2013	TW-41B 07/31/2013	TW-41B 01/16/2014	TW-41B 07/25/2014	TW-41B 01/24/2018	TW-41B 03/20/2018	TW-41B 05/16/2018	TW-41B 01/09/2019	TW-41B 07/12/2019	TW-41B 01/13/2020	TW-41B 07/17/2020	TW-41B 01/14/2021	TW-41B 07/08/2021	TW-41B 01/05/2022	TW-41B 07/13/2022	TW-41B 01/10/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.00008	0.000347 J	<0.0002	0.000594 J	0.00065 J	0.001 J	0.0013	<0.002	<0.0013	0.00039 J	0.0017	0.00074 J	<0.001	0.0019 J	0.002	0.0004 J
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.00011	0.00115	<0.00019	0.00501	<0.0003	0.0036	0.0029	<0.003	<0.0011	<0.0003	0.0015	<0.0003	0.0081	<0.0015	0.00096 J	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.005	**0.0078 J**	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.00015	<0.000279	<0.00017	0.00116	<0.0002	0.00068 J	0.0012	<0.002	<0.0011	<0.0002	0.0016	<0.0002	0.0046 J	<0.001	0.0017	<0.0002
Vinyl chloride	*0.002*	*0.002*		<0.00011			<0.00011												
Xylenes (total)	*10*	*10*	<0.0015	<0.00026	0.000386 J	<0.00058	0.0101	0.0079	0.013	0.015	<0.003	0.019	0.0021	0.021	0.0073	0.016	0.015	0.017	0.0013
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.000104	<0.000105	<0.000104	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00052	<0.000021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.0014	<0.000292	<0.000295	<0.000292	<0.000301	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	0.00017 J	<0.00004	0.00056	<0.00004	<0.00004	<0.0004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.000123	<0.000124	<0.000123	<0.000126	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000777	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00012 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.0001	<0.000066	0.000256 J	<0.0000846	0.0125	0.0003	0.011	0.026	0.0098	0.067	0.0071	0.029	0.0028	0.087	0.039	0.075	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000783	<0.00079	<0.000783	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.000528	<0.000533	<0.000528	<0.000544	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.039	<0.0000755	0.0252	<0.0000755	0.142	0.087	0.072	0.08	0.058	0.15	0.12	0.065	0.068	0.15	0.09	0.25	0.048
Acenaphthylene	*1.5*	*4.4*	0.00041	0.0000751 J	0.000409 J	0.0000926 J	0.00185	0.0019	0.0017	0.0016	0.00091	0.0014	0.0011	0.0011	0.00096	0.0019	0.0016	<0.00015	0.0013
Anthracene	*7.3*	*22*	0.0011	0.000979	0.00161	0.00093	0.00697	0.0016	0.0034	0.0039	0.0023	0.0055	0.0031	0.0039	0.0023	0.0077	0.0042	0.0072	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0000755	0.0000879 J	<0.0000755	<0.0000777	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00013	<0.00005	<0.00005	<0.0005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000777	<0.00002	<0.00002	<0.00002	0.000097 J	<0.00002	<0.00002	<0.00002	0.000062 J	<0.00002	<0.00002	<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.000123	<0.000124	<0.000123	<0.000126	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	<0.000349	<0.000352	<0.000349	<0.000359	0.000058 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00016	<0.00027	<0.000037	<0.00037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00013	<0.000021	<0.000021	<0.00021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0001	<0.000104	<0.000138	0.000116 J	<0.000107	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.016	<0.0000755	0.0104	<0.0000755	0.0845	0.022	0.026	0.034	0.026	0.074	0.055	0.034	0.029	0.079	0.053	0.078	0.0035
Fluoranthene	*0.98*	*2.9*	0.0015	<0.000066	0.00153	0.000206 J	0.00475	0.0019	0.0026	0.0022	0.0014	0.0034	0.0021	0.0025	0.0019	0.0052	0.0028	0.0046	0.0025
Fluorene	*0.98*	*2.9*	0.0054 J	0.0000917 J	0.00386	<0.000066	<0.0811	0.035	0.037	0.045	0.035	0.085	0.078	0.044	0.04	0.12	0.069	0.099	0.0045
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.0000971	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025
Naphthalene	*0.49*	*1.5*	<0.0013	0.000156 J	0.00309 J	<0.000259	0.149	0.027	0.12	0.28	0.061	**0.69**	0.058	**0.6**	0.013	0.3	0.21	**0.7**	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000104	<0.000105	<0.000104	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000575	<0.000581	<0.000575	<0.000592	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.0000566	0.000659	<0.000176	0.0573	0.00048	0.0089	0.013	0.0035	0.027	0.0084	0.018	0.006	0.053	0.025	0.041	<0.000021
Phenol	*7.3*	*22*	0.0016	<0.0000377	<0.0000381	<0.0000377	<0.0000388	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035	<0.00035	<0.000035
Pyrene	*0.73*	*2.2*	0.00066	<0.000104	0.000702	0.000223 J	0.00209	0.00083	0.0011	0.001	0.00056	0.0014	0.00082	0.0011	0.00097	0.0021	0.0015	0.002	0.0011
Metals																			
Arsenic	*0.01*	*0.01*						**0.0376**	**0.0953**	**0.0976**	**0.125**	**0.113**	**0.0557**	**0.0883**	**0.0567**	**0.0866**	**0.0784**	**0.0969**	**0.0143**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	TW-41B 07/13/2023	TW-41B 01/18/2024	TW-41B 08/02/2024
Volatile Organic Compounds					
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0002	<0.000372
Benzene	*0.005*	*0.005*	<0.001	0.0016	0.00111
Chlorobenzene	*0.1*	*0.1*	<0.0015	<0.0003	<0.000455
Ethylbenzene	*0.7*	*0.7*	0.0025 J	<0.0003	0.00223
Methylene chloride	*0.005*	*0.005*	<0.005	<0.001	<0.00173
Toluene	*1*	*1*	<0.001	<0.0002	0.00113
Vinyl chloride	*0.002*	*0.002*			
Xylenes (total)	*10*	*10*	0.02	0.0086	0.0148
Semivolatile Organic Compounds					
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.035	0.00038	0.071
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.062	0.032	0.11
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00077	0.0012
Anthracene	*7.3*	*22*	0.0028	0.00087	0.0044
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.00002
Dibenzofuran	*0.098*	*0.29*	0.033	0.0096	0.06
Fluoranthene	*0.98*	*2.9*	0.0023	0.0013	0.0034
Fluorene	*0.98*	*2.9*	0.038	0.013	0.064
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025
Naphthalene	*0.49*	*1.5*	0.18	0.0035	0.17
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.017	0.00055	0.032
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00087	0.00061	0.0014
Metals					
Arsenic	*0.01*	*0.01*	**0.0937**	**0.0510**	**0.0909**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-32B 02/09/2012 DNAPL	MW-32B 07/16/2012 DNAPL	MW-32B 02/06/2013 DNAPL	MW-32B 01/21/2014 DNAPL	MW-32B 01/20/2020 DNAPL	MW-32B 07/27/2020 DNAPL	MW-32B 01/27/2021	MW-32B 07/21/2021	MW-32B 01/27/2022	MW-32B 07/21/2022	MW-32B 01/31/2023 DNAPL	MW-32B 07/20/2023	MW-32B 02/08/2024 DNAPL	MW-32B 07/26/2024	MW-33B 01/29/2008 DNAPL	MW-33B 07/14/2008 DNAPL	MW-33B 07/14/2008 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	0.025 J	<0.0005	<0.00014	<0.0002	<0.005	0.1	<0.002	<0.002	<0.002	<0.01	<0.0002	<0.0002	<0.005	<0.01 JL	<0.00052	<0.00109	<0.00109
Benzene	*0.5*	*0.5*	**2.6 J**	<0.0005	0.00428	0.239	**1.8**	**3.7**	0.3	**0.8**	**2.3**	**3.4**	0.045	**2.7**	0.26	**1.5 JL**	**1.92**	**2.73**	**2.69**
Chlorobenzene	*10*	*10*	0.025 J	<0.0005	<0.000343	<0.00018	<0.0075	<0.03	<0.003	<0.003	<0.003	<0.015	<0.0003	<0.0003	<0.0075	<0.015 JL	<0.00047	<0.0015	<0.0015
Ethylbenzene	*70*	*70*	0.53 J	<0.0005	0.00561	0.254	0.73	0.83	0.56	0.44	0.41	0.7	0.0086	0.46	0.24	0.3 JL	0.491	0.626	0.598
Methylene chloride	*0.5*	*0.5*	0.032 J	<0.001	<0.00015	<0.00022	<0.025	<0.1	<0.01	<0.01	<0.01	<0.05	<0.001	<0.001	<0.025	<0.05 JL	<0.00054	<0.00122	<0.00122
Toluene	*100*	*100*	2.2 J	<0.0005	0.00261	0.541	2.3	3.2	0.8	0.6	1.9	2.7	0.036	2.2	0.52	1.3 JL	0.1	0.136	0.13
Vinyl chloride	*0.2*	*0.2*					<0.005									<0.01 JL			
Xylenes (total)	*1000*	*1000*	1.5 J	<0.0015	0.0203	0.749	2.1	2.2	0.6	0.2	1.1	<0.0003	0.023	1.2	0.69	0.82 JL	1.24	1.63	1.58
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	0.0005 J	<0.00005	<0.0262	<0.00104	<0.00042	<0.021	<0.0021	<0.00021	<0.0021	<0.0021	<0.00021	<0.0021	<0.00021	<0.00021	<0.01	<0.008	<0.008
2,4-Dimethylphenol	*49*	*150*	46	0.0014	<0.0738	0.178	26	41	4	1	13	17	7.7	11	0.96	4.4	<0.043	<0.028	<0.028
2,4-Dinitrotoluene	*0.13*	*0.3*	0.0005 J	<0.00005	<0.031	<0.00123	<0.0012	<0.058	<0.0058	<0.00058	<0.0058	<0.0058	<0.00058	<0.0058	<0.00058	<0.00058	<0.029	<0.019	<0.019
2,6-Dinitrotoluene	*0.13*	*0.3*	0.0006 J	<0.00006	<0.019	<0.000755	<0.00084	<0.042	<0.0042	<0.00042	<0.0042	<0.0042	<0.00042	<0.0042	<0.00042	<0.00042	<0.029	<0.019	<0.019
2-Chloronaphthalene	*200*	*580*	0.0005 J	<0.00005	<0.019	<0.000755	<0.00042	<0.021	<0.0021	<0.00021	<0.0021	<0.0021	<0.00021	<0.0021	<0.00021	<0.00021	<0.057	<0.038	<0.038
2-Methylnaphthalene	*9.8*	*29*	0.53	0.00019 J	<0.0167	0.137	**50**	**540**	2	0.52	0.56	8.4	0.5	0.68	1.5	0.4	0.443	0.808	0.787
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	0.0008 J	<0.00008	<0.198	<0.00783	<0.0004	<0.02	<0.002	<0.0002	<0.002	<0.002	<0.0002	<0.002	<0.0002	<0.0002	<0.029	<0.019	<0.019
4-Nitrophenol	*4.9*	*15*	0.0005 J	<0.00005	<0.133	<0.00528	<0.00094	<0.047	<0.0047	<0.00047	<0.0047	<0.0047	<0.00047	<0.0047	<0.00047	<0.00047	<0.036	<0.024	<0.024
Acenaphthene	*150*	*440*	0.28 J	0.014	0.0416 J	0.0427	26	**230**	0.9	0.14	0.22	3.7	0.096	0.23	0.53	0.092	0.137	0.152	0.182
Acenaphthylene	*150*	*440*	0.0059 J	0.00085	<0.0143	<0.000566	<0.0003	1.7	0.066	0.0037	<0.0015	0.046	0.0023	<0.0015	0.0064	0.0014	<0.043	<0.028	<0.028
Anthracene	*730*	*2200*	0.059 J	0.0048	<0.0119	0.144	23	170	0.1	0.047	0.044	2.3	0.042	0.086	0.19	0.031	<0.029	<0.019	0.035
Benzo(a)anthracene	*0.91*	*2*	0.0033 J	0.0033	<0.019	0.0195	**2.2**	**16**	0.62	0.0041	0.0056 J	0.41	0.004	0.013	0.029	0.0046	<0.029	<0.019	<0.019
Benzo(a)pyrene	*0.02*	*0.02*	0.0005 J	0.00089	<0.019	0.00649	**0.74**	**4.8**	**0.2**	0.0015	<0.002	**0.11**	<0.0002	0.0031 J	0.0078	0.0017	**<0.029**	<0.019	<0.019
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0005	<0.00005	<0.031	<0.00123	<0.0006	<0.03	<0.003	<0.0003	<0.003	<0.003	<0.0003	<0.003	<0.0003	<0.0003	<0.057	<0.038	<0.038
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.001 J	0.00079	<0.0881	<0.00349	<0.00074	<0.037	<0.0037	<0.00037	<0.0037	<0.0037	<0.00037	<0.0037	<0.00037	0.00091 J	<0.029	<0.019	<0.019
Chrysene	*91*	*200*	0.0042 J	0.0023	<0.019	0.018	2.4	27	0.51	0.0038	0.0062 J	0.4	0.0026	0.011	0.028	0.0049	<0.029	<0.019	<0.019
Di-n-butylphthalate (DBP)	*240*	*730*	0.0005 J	<0.00005	<0.0262	<0.00104	<0.0004	<0.02	<0.002	<0.0002	<0.002	<0.002	<0.0002	<0.002	<0.0002	<0.0002	<0.029	<0.019	<0.019
Dibenzofuran	*9.8*	*29*	0.28 J	0.0012	<0.019	0.0428	**28**	**250**	0.9	0.16	0.22	4.1	0.095	0.25	0.58	0.14	0.118	0.17	0.205
Fluoranthene	*98*	*290*	0.03 J	0.031	<0.0167	0.121	21	**210**	0.9	0.039	0.045	3.1	0.038	0.1	0.25	0.036	<0.029	<0.019	0.042
Fluorene	*98*	*290*	0.15 J	0.0021	<0.0167	0.0282	23	**180**	0.5	0.077	0.13	3.2	0.058	0.17	0.36	0.064	0.046	0.0683	0.098
N-Nitrosodiphenylamine	*19*	*42*	0.0005 J	<0.00005	<0.0238	<0.000943	<0.0005	<0.025	<0.0025	<0.00025	<0.0025	<0.0025	<0.00025	<0.0025	<0.00025	<0.00025	<0.036	<0.024	<0.024
Naphthalene	*49*	*150*	26	<0.00057	<0.019	2.17 J	**300**	**2300**	6	3	12	46	8	9.2	16	5.6	12.5	16	13.1
Nitrobenzene	*4.9*	*15*	<0.0005	<0.00005	<0.0262	<0.00104	<0.00048	<0.024	<0.0024	<0.00024	<0.0024	<0.0024	<0.00024	<0.0024	<0.00024	<0.024	<0.057	<0.038	<0.038
Pentachlorophenol	*0.1*	*0.1*	0.0005 J	<0.00005	**<0.145**	<0.00575	<0.0016	<0.079	<0.0079	<0.00079	<0.0079	<0.0079	<0.00079	<0.0079	<0.00079	<0.00079	<0.029	<0.019	<0.019
Phenanthrene	*73*	*220*	0.25 J	0.0012	<0.0143	0.0548	69	**660**	6	0.18	0.22	11	0.17	0.34	0.91	0.19	0.0903	0.0688	0.186
Phenol	*730*	*2200*	38 J	0.000066 J	<0.00952	0.0357	17	23	2	1	13	14	7.2	9.8	0.19	2.2	<0.029	<0.019	<0.019
Pyrene	*73*	*220*	0.02 J	0.04	<0.0262	0.0841	14	**120**	0.9	0.022	0.026	2	0.021	0.058	0.14	0.021	0.045	<0.019	0.022
Metals																			
Arsenic	*1*	*1*					0.00193 J	0.00166 J	0.00199 J	0.0014 J	0.00229 J	0.00186 J	0.00249	0.00197 J	<0.0004	0.000697 J			

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-33B 02/03/2009 DNAPL	MW-33B 01/13/2010 DNAPL	MW-33B 06/29/2010	MW-33B 01/24/2011 DNAPL	MW-33B 07/19/2011 DNAPL	MW-33B 02/15/2012	MW-33B 07/17/2012	MW-33BR 02/06/2013	MW-33BR 08/07/2013	MW-33BR 01/21/2014	MW-33BR 07/28/2014	MW-33BR 01/28/2018	MW-33BR 03/29/2018	MW-33BR 05/31/2018	MW-33BR 01/22/2019	MW-33BR 07/30/2019	MW-33BR 01/15/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.0005	<0.007	<0.0007	<0.0002	<0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	**2.4**	**1.2**	**2**	**1**	**1.6**	**2**	0.3	**1.61**	**1.62**	**0.837**	**1.41**	<0.0002	<0.0002	0.12	0.0025	0.25	0.12
Chlorobenzene	*10*	*10*	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.0005	<0.006	<0.0006	0.000349 J	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	0.47	0.41	0.62	0.36	0.4	0.46	0.07	0.471	0.389	0.128	0.348	<0.0003	<0.0003	0.0058	0.013	0.065	0.043
Methylene chloride	*0.5*	*0.5*	0.0096 J	<0.005	<0.005	<0.005	<0.013	<0.0065	<0.001	0.011 J	<0.00075	<0.00022	<0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	0.084	0.019 J	0.016 J	0.0067 J	<0.01	0.12	0.023	0.157	0.0645	0.00942	0.00638	<0.0002	<0.0002	<0.0002	<0.0002	0.0031	<0.0002
Vinyl chloride	*0.2*	*0.2*					<0.01	<0.005	<0.0005	<0.0055	<0.00055	<0.00018	<0.00055	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	*1000*	*1000*	1.4	1.2	1.5	0.85	1.2	0.82	0.15	0.924	0.182	0.128	0.0649	<0.0003	<0.0003	0.0058	<0.0003	0.016	0.011
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.0005	**<0.529**	<0.00519	<0.000529	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00008	0.0035	<0.00008	0.0029	0.0034	<0.00005	0.0074	<1.49	<0.0146	<0.00149	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	0.00028	0.00018 J
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	**<0.625**	<0.00613	<0.000625	<0.000126	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.0006	**<0.385**	<0.00377	<0.000385	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.0005	<0.385	<0.00377	<0.000385	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	1.9	0.71	0.51	0.52	1.6	0.81	0.55	0.993 J	0.198	0.0558	0.277	<0.000019	<0.000019	0.0029	<0.000019	0.014	0.00025
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0008	**<3.99**	<0.0392	<0.00399	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0005	<2.69	<0.0264	<0.00269	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.41	0.17	0.096	0.15	0.41	0.23	0.099	<0.385	0.0455	0.0625	0.0711	<0.000027	<0.000027	0.0019	0.0013	0.0078	0.0051
Acenaphthylene	*150*	*440*	0.0037	0.0016	0.0011	0.0015	0.0033	<0.00005	0.0014 J	<0.288	<0.00283	<0.000679	0.00087	<0.000015	<0.000015	0.000068 J	<0.000015	<0.000015	0.00015
Anthracene	*730*	*2200*	0.14	0.015	0.011	0.027	0.16	0.054	0.011	<0.24	<0.00236	0.0045	0.00564	<0.000014	<0.000014	0.00018	<0.000014	0.00055	0.00046
Benzo(a)anthracene	*0.91*	*2*	0.022	0.00019 J	0.000073 J	0.0019	0.032	0.000074 J	<0.0005	<0.385	<0.00377	<0.000385	0.000119 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0001
Benzo(a)pyrene	*0.02*	*0.02*	0.0045	<0.00008	<0.00008	0.00073	0.0077	<0.00005	<0.0005	**<0.385**	<0.00377	<0.000385	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	**<0.625**	<0.00613	<0.000625	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00031	0.008	<0.00054	0.00091	<0.00046	<0.00018	<0.001	**<1.78**	<0.0175	<0.00178	0.000722	0.000062 J	<0.000037	0.0001 J	<0.000037	0.00007 J	0.00067
Chrysene	*91*	*200*	0.02	0.00018 J	0.000092 J	0.0018	0.026	0.000073 J	<0.0005	<0.385	<0.00377	<0.000385	0.000132 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00011
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0005	<0.529	<0.00519	<0.000529	<0.000384	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00099
Dibenzofuran	*9.8*	*29*	0.46	0.18	0.13	0.17	0.53	0.38	0.15	<0.385	0.0498	0.0769	0.0868	<0.000021	<0.00002	0.0019	0.000079 J	0.012	0.0039
Fluoranthene	*98*	*290*	0.2	0.0033	0.0018	0.033	0.28	0.0049	0.01	<0.337	<0.0033	0.00107 J	0.00265	0.000049 J	<0.00001	0.0003	0.000053 J	0.00039	0.00082
Fluorene	*98*	*290*	0.26	0.068	0.048	0.069	0.31	0.12	0.051	<0.337	0.0181 J	0.0287	0.035 J	<0.00003	<0.00003	0.00058	<0.00003	0.0042	0.0018
N-Nitrosodiphenylamine	*19*	*42*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00081	<0.0005	<0.481	<0.00472	<0.000481	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*49*	*150*	20	10	2.2	7	13	21	7.3	14.9 J	6.54	1.68 J	6.59	<0.00018	<0.00002	0.069	0.00004 J	0.53 J	0.0051
Nitrobenzene	*4.9*	*15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	<0.529	<0.00519	<0.000529	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.0005	**<2.93**	<0.0288	<0.00293	<0.000592	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.72	0.066	0.041	0.09	0.79	0.17	0.091	<0.288	0.0141 J	0.0238	0.0313 J	<0.000047	<0.000021	0.0008	<0.000021	0.0048	0.0013
Phenol	*730*	*2200*	0.003	<0.00007	0.0032	<0.00007	0.001	0.0043	0.0014 J	<0.192	<0.00189	<0.000192	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	0.00021	0.00018 J
Pyrene	*73*	*220*	0.13	0.0016	0.00092	0.007	0.17	0.0025	0.0054	<0.529	<0.00519	0.000734 J	0.00126	<0.000019	<0.000019	0.00019	0.00003 J	0.00026	0.00057
Metals																			
Arsenic	*1*	*1*												0.00144 J	0.00187 J	0.00294	0.00143 J	0.00117 J	0.000877 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-33BR 07/27/2020	MW-33BR 01/19/2021	MW-33BR 07/20/2021	MW-33BR 01/12/2022	MW-33BR 07/19/2022	MW-33BR 02/01/2023	MW-33BR 07/20/2023	MW-33BR 01/23/2024	MW-33BR 07/29/2024	MW-36B 07/15/2010	MW-36B 07/15/2010 Duplicate	MW-36B 01/20/2011	MW-36B 07/19/2011	MW-36B 02/08/2012	MW-36B 07/17/2012	MW-36B 01/31/2013	MW-36B 08/06/2013	MW-36B 01/16/2014
Volatile Organic Compounds																				
1,2-Dichloroethane	*0.5*	*0.5*	0.0032	<0.0002	<0.002	<0.001	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002
Benzene	*0.5*	*0.5*	0.14	**0.98**	**0.69**	0.073	0.36	**1.3**	0.48	**1**	0.084	<0.0005	<0.0005	0.0018 J	0.0014 J	<0.001	<0.0005	<0.00008	<0.00008	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0075	<0.0003	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018
Ethylbenzene	*70*	*70*	0.099	0.23	0.19	0.14	0.1	0.15	0.16	0.27	0.06	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.01	0.0064 J	<0.001	<0.001	<0.001	<0.025	<0.001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022
Toluene	*100*	*100*	0.0067	0.0071	0.0069 J	0.0056	0.0083	0.0037	0.014	0.025 J	0.0041	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017
Vinyl chloride	*0.2*	*0.2*	<0.0002	<0.0002	<0.002	<0.001	<0.0002			<0.005	<0.0002				<0.001		<0.0005	<0.00011	<0.00011	<0.00018
Xylenes (total)	*1000*	*1000*	0.033	0.14	0.065	0.03	0.035	0.071	0.066	0.11	0.033	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058
Semivolatile Organic Compounds																				
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<2.1E-05	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	0.0064	0.00026	<0.0004	0.0023	<0.00004	0.0033	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000292	<0.00031	<0.000292
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<5.8E-05	<0.00029	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.00013	<0.000123
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<4.2E-05	<0.00021	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.00008	<0.0000755
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<2.1E-05	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	<0.0000755
2-Methylnaphthalene	*9.8*	*29*	0.022	0.087	0.11	0.035	0.052	0.072	0.035	0.075	<9.5E-05	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.00007	<0.000271
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	<0.0001	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00083	<0.000783
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<4.7E-05	<0.00024	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.00056	<0.000528
Acenaphthene	*150*	*440*	0.0066	0.019	0.026	0.013	0.0098	0.024	0.013	0.037	0.0075	<0.00009	<0.00009	0.00023	0.00014 J	0.00023	0.00016 J	<0.0000755	<0.00008	0.000463 J
Acenaphthylene	*150*	*440*	0.00015	0.00041	0.00019	<0.000015	0.00015	<0.00015	<0.00015	0.00027	0.0004 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.00006	<0.0000566
Anthracene	*730*	*2200*	0.0018	0.00097	0.0019	0.0018	0.00085	0.005	0.001 J	0.0019	0.00059	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000472	<0.00005	0.00035 J
Benzo(a)anthracene	*0.91*	*2*	<0.00059	0.000058 J	<0.00005	0.00064	0.00012	<0.0005	<0.0005	0.00022	0.00071	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	0.00012 J
Benzo(a)pyrene	*0.02*	*0.02*	<0.00016	<0.00002	<0.00002	0.00023	0.000077 J	<0.0002	<0.0002	<0.00002	0.0002 J	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	<0.0000755
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.00003	<0.00015	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.00013	<0.000123
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.000072 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.00037	<0.00037	<3.7E-05	<0.00018	0.01	0.0024	<0.00048	<0.00068	<0.00033	0.00021	<0.000349	<0.00037	0.00044 J
Chrysene	*91*	*200*	0.00052	<0.000021	<0.000021	0.00084	0.0001	<0.00021	<0.00021	0.00018	0.00055	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	0.000146 J
Di-n-butylphthalate (DBP)	*240*	*730*	<0.000038	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	<0.0001	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104
Dibenzofuran	*9.8*	*29*	0.0085	0.027	0.04	0.016	0.022	0.031	0.017	0.044	0.0022	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00011 J	<0.000118	<0.00008	<0.000409
Fluoranthene	*98*	*290*	0.0035	0.0004	0.0011	0.0033	0.00039	0.0027	0.00098 J	0.0016	0.0067	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.00007	0.000756
Fluorene	*98*	*290*	0.0041	0.011	0.016	0.0082	0.0054	0.013	0.0073	0.018	0.0016	<0.00007	<0.00007	<0.00007	<0.00005	0.00011 J	<0.00005	<0.000066	<0.00007	0.000434 J
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<2.5E-05	<0.00012	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0001	<0.0000943
Naphthalene	*49*	*150*	0.95	0.2	0.4	1.2	0.88	2.8	0.75	2.8	0.00032 J	<0.0001	<0.0001	<0.0001	<0.00005	<0.00024	<0.00005	<0.000943	0.0000895 J	0.000825 J
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<2.4E-05	<0.00012	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<7.9E-05	<0.0004	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.00061	<0.000575
Phenanthrene	*73*	*220*	0.01	0.0088	0.019	0.0097	0.0073	0.018	0.0087	0.023	0.00047 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00027	<0.0000566	<0.00006	0.00183
Phenol	*730*	*2200*	0.00023	0.000079 J	0.000087 J	<0.000035	0.00023	<0.00035	<0.00035	<3.5E-05	<0.00018	<0.00007	<0.00007	0.000089 J	<0.00005	0.00026	<0.00005	<0.0000377	<0.00004	<0.0000377
Pyrene	*73*	*220*	0.0023	0.0002	0.00058	0.0021	0.00025	0.0019	0.0006 J	0.00093	0.0041	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	0.00046 J
Metals																				
Arsenic	*1*	*1*	0.000565 J	0.00234	0.00212	0.000972 J	0.000904 J	0.00283	0.00125 J	0.00306	0.00054 J									

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-36B 07/28/2014	MW-36B 01/25/2018	MW-36B 03/21/2018	MW-36B 05/31/2018	MW-36B 01/14/2019	MW-36B 07/16/2019	MW-36B 01/09/2020	MW-36B 07/28/2020	MW-36B 01/27/2021	MW-36B 01/27/2021 Duplicate	MW-36B 07/26/2021	MW-36B 07/26/2021 Duplicate	MW-36B 01/11/2022	MW-36B 01/11/2022 Duplicate	MW-36B 07/21/2022	MW-36B 07/21/2022 Duplicate	MW-36B 02/01/2023	MW-36B 02/01/2023 Duplicate
Volatile Organic Compounds																				
1,2-Dichloroethane	*0.5*	*0.5*	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002										
Xylenes (total)	*1000*	*1000*	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																				
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	0.000078 J	<0.000054	<0.00004	<0.00004	<0.00004	0.00004 J	0.000091 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000126	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.0000777	<0.000042	<0.000042	0.0073	<0.000042	<0.000042	<0.000042	<0.000042	0.0012 J	<0.000042 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.000068	<0.000019	<0.000019	<0.000019	<0.000019	0.00058	<0.00013	0.0011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.0000777	0.00014	<0.000027	0.00014	<0.000027	0.00014	<0.00017	0.00034	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000049 J	<0.000027	<0.000027	<0.000027
Acenaphthylene	*150*	*440*	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.0000485	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00034	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.0000777	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00015	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000071 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000359	0.00015 J	<0.000037	0.00017 J	0.00022	<0.000088	<0.000037	0.00013 J	<0.00018	<0.00022	0.000037 J	0.000063 J	0.00011 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*91*	*200*	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*240*	*730*	<0.000107	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000042 J	<0.00002 J	0.00023 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*9.8*	*29*	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.000087 J	<0.00012	0.0004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	0.000017 J	0.000051 J	0.00081	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*98*	*290*	<0.000068	<0.00003	<0.00003	<0.00003	<0.00003	0.000047 J	<0.00012	0.00026	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*19*	*42*	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*49*	*150*	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.006	<0.00093	0.01	<0.000054	<0.00002	<0.00002	<0.0002	<0.00002	<0.00039	<0.00002	<0.00002	0.00018 J	0.000082 J
Nitrobenzene	*4.9*	*15*	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	<0.000592	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.0000583	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	0.0012	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*730*	*2200*	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.00017	<0.000075	0.00012 J	<0.000078	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.000107	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00049	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																				
Arsenic	*1*	*1*		0.00116 J	0.000942 J	0.000817 J	0.00118 J	0.00127 J	0.001 J	0.000923 J	0.00136 J	0.00127 J	0.00133 J	0.00115 J	0.000982 J	0.00108 J	0.000881 J	0.000865 J	0.000893 J	0.00111 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-36B 07/24/2023	MW-36B 01/24/2024 Duplicate	MW-36B 01/24/2024	MW-36B 07/31/2024	MW-36B 07/31/2024 Duplicate	MW-49B 02/04/2009	MW-49B 01/20/2010	MW-49B 06/24/2010	MW-49B 01/20/2011	MW-49B 01/20/2011 Duplicate	MW-49B 07/22/2011	MW-49B 02/07/2012	MW-49B 07/23/2012	MW-49B 02/07/2013 DNAPL	MW-49B 08/01/2013 DNAPL	MW-49B 01/16/2014	MW-49B 07/16/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.0028	<0.0002	<0.0028
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0095	0.013	0.1	0.0057	0.0056	0.056	0.0056	0.11	0.0631	0.469	0.0691	0.346
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	0.0103 J	<0.00018	<0.0024
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0081	0.024	0.019	0.004 J	0.0046 J	0.0091	0.0042 J	0.023	0.0182	0.0825	0.0425	0.0847
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.003	<0.00022	0.0212
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.016	0.045	0.071	0.0072	0.0072	0.038	0.0057	0.089	0.0633	0.345	0.091	0.31
Vinyl chloride	*0.2*	*0.2*											<0.001	<0.001	<0.0005	<0.00011	<0.0022	<0.00018	<0.0022
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.024	0.07	0.047	0.0066 J	0.0073 J	0.02	0.008 J	0.06	0.0527	0.222	0.112	0.249
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004 J	0.031	0.013	1.2	0.18	0.16	0.59	0.19	6.3	1.09	21.4	4.96 J	13.6
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058 J	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00619	<0.0124	<0.0307	<0.00245
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042 J	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00381	<0.00762	<0.0189	<0.00151
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.00012	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.0189	<0.00151
2-Methylnaphthalene	*9.8*	*29*	<0.000019	0.00038 J	<0.000019 J	<0.000019	<0.000019 J	0.14	<0.00007	0.0016	<0.00007	<0.00007	0.0029	0.0095	0.18	0.297	0.223	0.691	0.276
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0395	<0.079	<0.196	<0.0157
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047 J	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0267	<0.0533	<0.132	<0.0106
Acenaphthene	*150*	*440*	<0.000027	0.00021 J	<0.000027 J	<0.000027	<0.000027 J	0.094	0.017	0.014	0.00067	0.00049	0.0051	0.034	0.14	0.248	0.0964	0.622	0.117
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015 J	0.0016	0.0007	0.00063 J	<0.00007	0.000072 J	0.00019 J	0.0007	0.0013	<0.00286	<0.00571	<0.0142	0.00432 J
Anthracene	*730*	*2200*	<0.000014	0.000066 J	<0.000014	<0.000014 J	0.000028 J	0.019	0.00015 J	<0.00035	0.00031	0.000083 J	0.00093	0.0029	0.056	0.0876	<0.00476	0.221	0.013
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005 J	0.00035	<0.00007	<0.00035	<0.00007	<0.00007	0.00018 J	<0.00005	0.013	0.0228 J	<0.00762	0.0671 J	<0.00151
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	0.000057 J	<0.00005	0.0038	<0.00381	<0.00762	<0.0189	<0.00151
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00619	<0.0124	<0.0307	<0.00245
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.000037	<0.000037	<0.000037 J	0.00014 J	0.00029	<0.00053	<0.001	<0.00055	<0.0015	<0.00024	0.00069	<0.00055	<0.0176	<0.0352	<0.0873	<0.00698
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	0.000027 J	0.00038	<0.00007	<0.00035	<0.00007	<0.00007	0.00016 J	<0.00005	0.015	0.0207 J	<0.00762	0.0737 J	<0.00151
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	0.000022 J	0.000042 J	0.0013	0.000083 J	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208
Dibenzofuran	*9.8*	*29*	<0.00002	0.00039 J	<0.00002 J	<0.00002	0.000024 J	0.071	0.0024	0.0026	0.00018 J	0.00012 J	0.0018	0.019	0.12	0.2	<0.00762	0.484	0.08
Fluoranthene	*98*	*290*	<0.00001	0.000038 J	<0.00001	0.000013 J	0.000057 J	0.014	0.00023	<0.00035	0.00019 J	<0.00007	0.0011	0.0015	0.093	0.167	<0.00667	0.415	0.00456 J
Fluorene	*98*	*290*	<0.00003	0.0002 J	<0.00003 J	<0.00003	<0.00003 J	0.071	0.0036	0.0016	0.00018 J	<0.00007	0.0014	0.019	0.13	0.217	0.049	0.464	0.0633
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025 J	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00476	<0.00952	<0.0236	<0.00189
Naphthalene	*49*	*150*	<0.00002	0.0046 J	<0.00002 J	0.000043 J	<0.00002 J	1.4	0.00044	0.23	<0.00052	<0.0002	0.13	0.047	2.3	1.58 J	9.38	6.75	5.57
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024 J	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079 J	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.029	<0.0581	**<0.144**	<0.0115
Phenanthrene	*73*	*220*	<0.000021	0.00027 J	<0.000021 J	<0.000021 J	0.000053 J	0.11	0.00017 J	<0.00035	<0.00021	<0.0003	0.0025	0.0098	0.35	0.466	0.039 J	1.29	0.0458
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035 J	<0.00007	<0.00007	0.0053	0.00044	0.0004	0.00021	<0.00005	0.0063	<0.0019	<0.00381	0.0445 J	0.0145
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	<0.000019 J	0.000064 J	0.0074	0.0002	<0.00035	0.00024	0.00017 J	0.00066	0.00083	0.062	0.101	<0.0105	0.262	<0.00208
Metals																			
Arsenic	*1*	*1*	0.00107 J	0.000967 J	0.00106 J	0.000971 J	0.000863 J												

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-49B 01/29/2018	MW-49B 03/21/2018	MW-49B 05/25/2018	MW-49B 01/27/2020 DNAPL	MW-49B 07/21/2020 DNAPL	MW-49B 01/19/2021	MW-49B 07/26/2021	MW-49B 01/07/2022	MW-49B 07/18/2022	MW-49B 01/31/2023 DNAPL	MW-49B 07/24/2023	MW-54B 03/11/2020	MW-54B 05/22/2020	MW-54B 07/22/2020	MW-54B 01/26/2021	MW-54B 07/22/2021	MW-54B 01/20/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.01	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	0.0073	0.026	0.26	**0.6**	0.5	0.38	0.47	**0.61**	**0.54**	0.23	0.47	0.00043 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.015	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	0.048	0.26	0.15	0.18	0.2	0.19	0.17	0.084	0.21	0.0011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.005	<0.005	<0.001	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	0.0058	0.014	0.23	0.72	0.56	0.44	0.6	0.64	0.55	0.27	0.67	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*	<0.0002	<0.0002	<0.0002	<0.01	0.0058												
Xylenes (total)	*1000*	*1000*	0.0095	0.012	0.14	0.71	0.39	0.52	0.54	0.51	0.48	0.3	0.61	0.0018	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.00021	<0.00021	<0.0013	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	0.2	0.34	3.4	25	2.1	0.6	0.091	12	6.4	2.4	2.3	<0.00004	<0.00004	<0.00004	<0.00004	<0.000052	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.00058	<0.00058	<0.0035	<0.00058	<0.00058	<0.00058	<0.00058	<0.0058	<0.00058	<0.0058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	0.002	<0.00042	<0.00042	<0.0025	<0.00042	<0.00042	<0.00042	<0.00042	<0.0042	<0.00042	<0.0042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.00021	<0.00021	<0.0013	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.00011	0.00084 J	0.072	**250**	0.28	0.2	1.5	0.64	0.49	0.52	0.53	0.00011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.0002	<0.0002	<0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.00047	<0.00047	<0.0028	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.00047	<0.0047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.071	0.066	0.071	**190**	0.12	0.22	0.8	0.46	0.36	0.38	0.31	0.0093	<0.000027	0.000079 J	<0.000027	<0.000027	<0.000027
Acenaphthylene	*150*	*440*	0.0017	0.003	0.0026	2.1	0.0031	0.005	<0.00015	0.0078	0.008 J	<0.00015	<0.0015	0.000087 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	0.003	0.0038	0.0073	87	0.022	0.069	0.39	0.074	0.14	0.18	0.07	0.00017	<0.000014	<0.000014	0.000014 J	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	0.000088 J	<0.0005	<0.0005	**23**	0.004	0.023	0.11	0.01	0.041	0.046	<0.005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.0002	<0.0002	**7.5**	0.0016	0.0087	**0.044**	0.0041	0.012	0.014	0.0064 J	<0.00002	<0.00002	<0.00002	0.000021 J	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.0003	<0.0003	<0.0018	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00011 J	<0.00037	<0.00037	<0.0022	0.0023	<0.00037	<0.00037	0.0013 J	<0.0037	<0.00037	<0.0037	0.000089 J	<0.000037	<0.000037	<0.000088	<0.000037	<0.000037
Chrysene	*91*	*200*	0.00012	<0.00021	<0.00021	23	0.0042	0.022	0.12	0.009	0.044	0.036	0.014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.0002	<0.0002	<0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	0.000033 J	0.0002 J	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*9.8*	*29*	0.0028	0.009	0.03	**160**	0.088	0.21	0.76	0.33	0.33	0.35	0.27	0.000076 J	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002
Fluoranthene	*98*	*290*	0.0027	0.0038	0.0036	**170**	0.026	0.16	0.81	0.069	0.28	0.3	0.1	0.000022 J	<0.00001	<0.00001	<0.000029	<0.00001	<0.00001
Fluorene	*98*	*290*	0.0087	0.018	0.031	**170**	0.07	0.2	0.76	0.26	0.31	0.33	0.22	0.00015	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.00025	<0.00025	<0.0015	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.00025	<0.0025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*49*	*150*	0.00042	0.0075	2.5	**1200**	4.1	0.5	13	15	8.9	6.3	5	0.0021	0.00011	<0.00036	<0.000063	<0.00029	<0.00002
Nitrobenzene	*4.9*	*15*	<0.000024	<0.00024	<0.00024	<0.0014	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.00024	<0.0024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.00079	<0.00079	<0.0047	<0.00079	<0.00079	<0.00079	<0.00079	<0.0079	<0.00079	<0.0079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.0073	0.011	0.028	**500**	0.12	0.44	2.4	0.36	0.8	0.8	0.4	0.0028	<0.000021	0.000052 J	<0.000024	<0.000021	<0.000021
Phenol	*730*	*2200*	<0.000035	<0.00035	<0.00035	<0.0021	0.006	0.0041	<0.00035	0.017	0.023	0.008	<0.0035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	0.0014	0.002	0.0021	**96**	0.014	0.082	0.5	0.054	0.16	0.18	0.077	<0.000019	<0.000019	<0.000019	0.000065 J	<0.000019	<0.000019
Metals																			
Arsenic	*1*	*1*	0.000564 J	0.000746 J	0.00146 J	0.0107	0.00553	0.00324	0.00082 J	0.00368	0.00798	0.00557	0.00901	0.00117 J	0.00147 J	0.00129 J	0.001 J	0.00115 J	0.0016 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-54B 07/19/2022	MW-54B 02/02/2023	MW-54B 07/21/2023	MW-54B 01/25/2024	MW-54B 07/31/2024	MW-57B 02/15/2012 DNAPL	MW-57B 07/24/2012 DNAPL	MW-57B 01/31/2013 DNAPL	MW-57B 07/31/2013 DNAPL	MW-57B 01/15/2014 DNAPL	MW-57B 07/29/2014 DNAPL	MW-57B 01/31/2018	MW-57B 04/01/2018	MW-57B 05/25/2018	MW-57B 07/10/2019	MW-57B 01/08/2020	MW-57B 07/15/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.005	<0.0035	<0.014	<0.0002	<0.0007	<0.0002	<0.001	<0.0002	<0.0002	<0.002	<0.001
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**1.4**	**1.5**	**0.733**	**1.49**	**0.716**	**1.25**	0.012	0.01	**0.82**	**0.84**	**0.52**	**0.71**
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.01	<0.005	<0.003	<0.012	<0.00018	<0.0006	<0.0003	<0.0015	<0.0003	<0.0003	<0.003	<0.0015
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.39	0.42	0.193	0.501	0.174	0.371	0.026	0.032	0.3	0.39	0.25	0.23
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.013	0.017 J	<0.00375	0.0405 J	<0.00022	<0.00075	<0.001	<0.005	<0.001	<0.001	<0.01	<0.005
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	1.3	1.4	0.692	1.62	0.63	1.33	0.0043	0.0019 J	0.84	0.93	0.64	0.7
Vinyl chloride	*0.2*	*0.2*				<0.0002							0.00299 J				0.00048 J		
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	1.2	1.1	0.589	1.4	0.574	1.16	0.057	0.055	0.84	1.2	0.7	0.68
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.0005	<0.0005	<0.055	<0.0267	<0.0519	<0.0109	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004 J	6.3	16	13.8	9.67	19.8 J	15	0.01	<0.00004	3.7	6.5	2.8	11
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058 J	<0.0005	<0.0005	<0.065	<0.0316	<0.0613	<0.0129	<0.00058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	0.0010	<0.000042 J	<0.0006	<0.0006	<0.04	<0.0194	<0.0377	<0.00792	<0.00042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.0005	<0.0005	<0.04	<0.0194	<0.0377	<0.00792	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019 J	0.92	1.6	1.75	1.07	0.892	0.945	0.17	0.029	0.61	0.93	1.1	0.41
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.0008	<0.0008	**<0.415**	<0.201	**<0.392**	<0.0822	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047 J	<0.0005	<0.0005	<0.28	<0.136	<0.264	<0.0554	<0.00047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047
Acenaphthene	*150*	*440*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027 J	0.35	0.44	0.93	0.423	0.524	0.267	0.13	0.13	0.3	0.38	0.55	0.061
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015 J	0.006	0.0087	<0.03	<0.0146	<0.0283	<0.00594	0.0029	0.0011	0.0063	0.0051	0.0086	0.0027
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014 J	0.023	0.05	0.292	0.0493 J	0.0844 J	0.0355 J	0.014	0.005	0.44	0.039	0.19	0.013
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005 J	0.0011 J	0.0012 J	0.0543 J	<0.0194	<0.0377	<0.00792	0.001	<0.00005	0.03	0.0071	0.04	0.0007 J
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.0005	<0.0005	**<0.04**	<0.0194	**<0.0377**	<0.00792	0.00058 J	<0.00002	0.0094	0.0021	0.012	<0.0002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	<0.0005	<0.0005	<0.065	<0.0316	<0.0613	<0.0129	<0.0003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037 J	0.0019 J	<0.001	<0.185	<0.0898	<0.175	<0.0366	0.00043 J	0.000095 J	<0.00037	<0.00037	<0.00037	<0.00037
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	0.00099 J	0.0016 J	0.0561 J	<0.0194	<0.0377	<0.00792	0.00091 J	<0.000021	0.024	0.0065	0.042	0.00073 J
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.0005	<0.0005	<0.055	<0.0267	<0.0519	<0.0109	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	0.28	0.38	0.814	0.322	0.392	0.226	0.11	0.081	0.29	0.32	0.49	0.056
Fluoranthene	*98*	*290*	<0.00001	0.00001 J	<0.00001	<0.00001	<0.00001 J	0.0081	0.016	0.387	0.0301 J	0.0752 J	0.0109 J	0.012	0.0044	0.19	0.047	0.34	0.0049
Fluorene	*98*	*290*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	0.095	0.23	0.65	0.208	0.298	0.138	0.081	0.096	0.27	0.21	0.46	0.034
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025 J	<0.0005	<0.0005	<0.05	<0.0243	<0.0472	<0.0099	<0.00025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025
Naphthalene	*49*	*150*	<0.00002	0.000025 J	<0.00002	0.000077 J	<0.00002 J	24	27	18.9 J	18.1	10.6	17	1.8	0.39	12	17	13	22
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024 J	<0.0005	<0.0005	<0.055	<0.0267	<0.0519	<0.0109	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079 J	<0.0005	<0.0005	**<0.305**	**<0.148**	**<0.288**	<0.0604	<0.00079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079
Phenanthrene	*73*	*220*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 J	0.16	0.24	1.39	0.242	0.456	0.127	0.094	0.033	0.63	0.29	1.1	0.042
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035 J	0.45	1	1	0.645	1	0.495	<0.00035	<0.000035	0.22	1	0.32	0.71
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019 J	0.0075	0.011	0.245 J	<0.0267	<0.0519	<0.0109	0.0068	0.003	0.13	0.03	0.21	0.0027
Metals																			
Arsenic	*1*	*1*	<0.0004	0.00137 J	0.000671 J	0.00118 J	0.000838 J							0.0419	0.00179 J	0.00285	0.00404	0.00404	0.00241

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-57B 01/20/2021	MW-57B 07/22/2021	MW-57B 01/13/2022	MW-57B 07/12/2022	MW-57B 01/19/2023	MW-57B 07/13/2023	MW-57B 01/19/2024	MW-57B 08/01/2024 DNAPL	MW-59B 07/15/2010	MW-59B 01/20/2011	MW-59B 07/18/2011	MW-59B 02/06/2012	MW-59B 07/27/2012	MW-59B 01/31/2013	MW-59B 08/01/2013	MW-59B 01/16/2014	MW-59B 07/30/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.01	<0.002	<0.001	<0.0002	<0.001	<0.02	<0.01	<0.00372	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014
Benzene	*0.5*	*0.5*	**0.63**	0	**0.94**	**1.1**	**0.79**	**1.3**	**0.6**	**0.989**	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	0.0000981 J	<0.0002	<0.00008
Chlorobenzene	*10*	*10*	<0.015	<0.003	<0.0015	<0.0003	<0.0015	<0.03	<0.015	<0.00455	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012
Ethylbenzene	*70*	*70*	0.21	0.33	0.31	0.31	0.28	0.4	0.2	0.248	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011
Methylene chloride	*0.5*	*0.5*	<0.05	<0.01	<0.005	<0.001	<0.005	<0.1	<0.05	<0.0173	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015
Toluene	*100*	*100*	0.64	0.1	0.88	1	0.88	1.3	0.6	0.95	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015
Vinyl chloride	*0.2*	*0.2*											<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00018	<0.00011
Xylenes (total)	*1000*	*1000*	0.61	0.91	1	0.87	0.82	1.1	0.59	0.7	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.00021	<0.0021	<0.0042	<0.0021	<0.001	<0.0021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	R
2,4-Dimethylphenol	*49*	*150*	0.9	0.8	3.9	<0.04	3.4	2.4	2.7	4	<0.00008	<0.00008	<0.00005	0.25	<0.00005	<0.000292	<0.000295	<0.000292	R
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00058	<0.00058	<0.0058	<0.012	<0.0058	<0.0029	<0.0058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	R
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.00042	<0.0042	<0.0084	<0.0042	<0.0021	<0.0042	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	R
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.00021	<0.0021	<0.0042	<0.0021	<0.001	<0.0021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	R
2-Methylnaphthalene	*9.8*	*29*	0.12	0.46	0.28	0.61	0.49	0.29	0.22	0.2	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000667	<0.000066	R
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.0002	<0.002	<0.004	<0.002	<0.001	<0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	R
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.00047	<0.00047	<0.0047	<0.0094	<0.0047	0.02 J	<0.0047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000528	R
Acenaphthene	*150*	*440*	0.05	0.15	0.08	0.22	0.16	0.13	0.1	0.11	<0.00009	<0.00009	<0.00005	0.0017	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.000621
Acenaphthylene	*150*	*440*	0.0014	0.0038	0.0022	<0.0015	<0.003	<0.0015	<0.00075	0.0031 J	<0.00007	<0.00007	<0.00005	0.00014 J	<0.00005	<0.0000566	<0.0000571	<0.0000566	R
Anthracene	*730*	*2200*	0.0047	0.025	0.01	0.023	0.015 J	0.028	0.01	0.018	<0.00007	<0.00007	<0.00005	0.000054 J	<0.00005	<0.0000472	<0.0000476	<0.0000472	R
Benzo(a)anthracene	*0.91*	*2*	<0.0005	0.0043	0.0008 J	<0.005	<0.01	<0.005	<0.0025	<0.005	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	R
Benzo(a)pyrene	*0.02*	*0.02*	<0.0002	0.0014	<0.0002	<0.002	<0.004	<0.002	<0.001	<0.002	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	R
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.0003	<0.003	<0.006	<0.003	<0.0015	<0.003	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	R
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	<0.00037	<0.0037	<0.0074	<0.0037	<0.0018	<0.0037	0.002	<0.00021	<0.00031	0.00068	0.00018 J	<0.000349	<0.000352	<0.000349	R
Chrysene	*91*	*200*	<0.00021	0.0039	0.00063 J	<0.0021	<0.0042	0.006 J	<0.001	0.0035 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	R
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.0002	<0.002	<0.004	<0.002	<0.001	<0.002	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	0.000115 J	0.000105 J	R
Dibenzofuran	*9.8*	*29*	0.038	0.15	0.068	0.18	0.14	0.11	0.082	0.088	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.000201
Fluoranthene	*98*	*290*	0.0012	0.031	0.0055	0.023	0.0069 J	0.04	0.0078	0.022	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000667	<0.000066	R
Fluorene	*98*	*290*	0.024	0.069	0.041	0.11	0.091	0.082	0.056	0.064	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000667	<0.000066	<0.000189
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.00025	<0.0025	<0.005	<0.0025	<0.0012	<0.0025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	R
Naphthalene	*49*	*150*	0.4	0.4	7.1	15	11	5.3	2.9	5.7	0.00014 J	<0.0001	<0.00005	0.00012 J	0.00006 J	<0.000269	<0.000166	<0.000172	<0.00627
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.00024	<0.0024	<0.0048	<0.0024	<0.0012	<0.0024	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	R
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00079	<0.00079	<0.0079	<0.016	<0.0079	<0.004	<0.0079	<0.00008	<0.00008	<0.00005	0.00011 J	<0.00005	<0.000575	<0.000581	<0.000575	R
Phenanthrene	*73*	*220*	0.019	0.14	0.033	0.13	0.07	0.14	0.055	0.096	<0.00007	<0.00007	<0.00005	0.00025	<0.00005	<0.0000566	<0.0000571	<0.000112	R
Phenol	*730*	*2200*	0.25	0.2	0.47	0.5	0.2	0.16	0.24	0.2	0.0002	<0.00007	<0.00005	0.00033	<0.00005	<0.0000377	<0.0000381	<0.0000377	R
Pyrene	*73*	*220*	0.00088 J	0.019	0.0032	0.011	<0.0038	0.026	0.0048 J	0.014	<0.00007	<0.00007	<0.00005	0.000062 J	<0.00005	<0.000104	<0.000105	<0.000104	R
Metals																			
Arsenic	*1*	*1*	0.00206	0.00329	0.0028	0.00142 J	0.00351	0.00416	0.00305	0.00328									

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-59B 01/29/2018	MW-59B 03/20/2018	MW-59B 05/25/2018	MW-59B 01/23/2019	MW-59B 07/17/2019	MW-59B 01/16/2020	MW-59B 07/21/2020	MW-59B 01/26/2021	MW-59B 07/19/2021	MW-59B 01/12/2022	MW-59B 07/18/2022	MW-59B 01/31/2023	MW-59B 07/14/2023	MW-59B 02/06/2024	MW-59B 07/31/2024	MW60B 03/17/2020	MW-60B 06/01/2020	MW-60B 07/20/2020
Volatile Organic Compounds																				
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.18	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002											
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																				
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00019 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000038	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000051	<0.000027	<0.00014	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000042 J
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000031	<0.000014	0.000019 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	0.000033 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.000058 J	<0.000037	<0.000037	<0.000056	<0.00039	<0.000037	0.00011 J	<0.00011	<0.000037	<0.000037	<0.000049	<0.000037	<0.000037	<0.000037	<0.000037	0.00092	0.000089 J	0.000065 J
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	0.000036 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	<0.00002	0.000055 J	<0.00002	<0.00002	<0.000026	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000047 J	0.000099 J	0.000021 J
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00005	<0.00002	<0.00006	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000023 J
Fluoranthene	*98*	*290*	<0.00001	<0.00001	<0.00001	0.000051 J	<0.00001	<0.000025	0.000071 J	<0.000034	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000011 J	0.000015 J	<0.00001	<0.00001
Fluorene	*98*	*290*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000042	<0.00003	<0.00008	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*49*	*150*	<0.00002	<0.00002	<0.00002	0.000072 J	<0.00015	<0.00024	0.0002	<0.00002	0.000049 J	<0.00013	0.000048 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00012
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000099	0.00012	<0.00013	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000087 J	0.000075 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	0.000053 J	<0.000019	<0.000021	0.000051 J	<0.000019	0.000024 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																				
Arsenic	*1*	*1*	<0.0004	<0.0004	<0.0004	0.000983 J	0.000542 J	0.000486 J	<0.0004	0.000955 J	0.00095 J	0.0014 J	0.0147	0.000998 J	0.00106 J	<0.0004	0.00386	0.00234	0.00222	0.00932

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-60B 01/14/2021	MW-60B 07/14/2021	MW-60B 07/18/2022	MW-60B 01/11/2022	MW-60B 01/12/2023	MW-60B 07/17/2023	MW-60B 01/24/2024	MW-60B 07/30/2024	MW61B 03/17/2020	MW-61B 06/01/2020	MW-61B 07/20/2020	MW-61B 01/27/2021	MW-61B 07/19/2021	MW-61B 01/12/2022	MW-61B 07/22/2022	MW-61B 01/25/2023	MW-61B 07/13/2023	MW-61B 02/06/2024
Volatile Organic Compounds																				
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*																		
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																				
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.000019	0.000089 J	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.000027	0.000062 J	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	0.000014 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00071	0.00014 J	<0.000068	<0.000037	0.000065 J	<0.00037	<0.000037	<0.000037	0.00015 J	0.000062 J	<0.000037	<0.00015	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*240*	*730*	<0.000032	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	0.00012 J	0.000024 J	0.000073 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	0.000015 J	0.000069 J	0.000017 J	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.000024 J	<0.00001	<0.00001	<0.00001	0.000025 J	<0.00001	<0.00001	<0.00001
Fluorene	*98*	*290*	<0.00003	0.000075 J	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*49*	*150*	0.000037 J	0.0007	0.00013	<0.00002	<0.00002	<0.0002	0.00015	0.000024 J	<0.00002	<0.00002	<0.000032	<0.00012	<0.00002	<0.00011	<0.000068	0.000043 J	<0.00002	<0.00002
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.000085 J	0.000077 J	0.000038 J	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000065 J	<0.000029	<0.000021	<0.000021	<0.000021
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.000019	0.00008 J	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000025 J	<0.000019	<0.000019	<0.000019
Metals																				
Arsenic	*1*	*1*	0.00615	<0.000807	0.000707 J	0.00387	0.00554	0.00121 J	0.000901 J	0.00124 J	0.00461	0.0104	0.00691	0.00672	0.000945 J	0.00302	<0.0004	0.000718 J	0.000753 J	0.000604 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-61B 07/31/2024	MW-63B 01/13/2010	MW-63B 06/30/2010	MW-63B 01/27/2011	MW-63B 07/19/2011	MW-63B 07/19/2011 Duplicate	MW-63B 02/09/2012	MW-63B 02/09/2012 Duplicate	MW-63B 07/18/2012	MW-63B 07/18/2012 Duplicate	MW-63B 02/07/2013	MW-63B 02/07/2013 Duplicate	MW-63B 08/07/2013	MW-63B 01/22/2014	MW-63B 07/24/2014	MW-63B 01/28/2018	MW-63B 03/26/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	<0.0002	0.21	0.015	0.019	0.019	0.024	<0.001	<0.001	0.0015 J	0.0016 J	0.00952	0.00919	0.0869	0.0762	0.108	0.0033	0.0026
Chlorobenzene	*10*	*10*	<0.0003	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00012	<0.00012	<0.00012	<0.00018	0.000216 J	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0003	0.2	0.072	0.071	0.04	0.045	0.0012 J	0.0012 J	0.0014 J	0.0014 J	0.0165	0.0163	0.0341	0.0418	0.151	0.012	0.0059
Methylene chloride	*0.5*	*0.5*	<0.001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001
Toluene	*100*	*100*	<0.0002	0.015	0.0016 J	0.0018 J	0.0017 J	0.0019 J	<0.001	<0.001	0.0038 J	0.0038 J	0.00241	0.00231	<0.000434	0.000399 J	0.00257	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*															<0.00011		
Xylenes (total)	*1000*	*1000*	<0.0003	0.082	0.02	0.016	0.013 J	0.014 J	<0.0031	<0.0031	<0.0015	<0.0015	0.00629	0.00635	0.0113	0.0156	0.0535	0.0048	0.0016
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00008	<0.00008	<0.00008	0.000056 J	<0.00005	0.00005 J	0.00044 J	<0.00005	<0.00005	<0.0148	<0.000295	<0.000292	<0.00307	<0.0031	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00619	<0.000124	<0.000123	<0.00129	<0.0013	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.000026 J	0.11	0.031	0.025	0.014	0.013	0.0029	0.0029	0.0034	0.0032	0.0104 J	0.00865	0.00242	0.00756	0.0302	0.000059 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0395	<0.00079	<0.000783	<0.00822	<0.0083	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0267	<0.000533	<0.000528	<0.00554	<0.0056	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.000027	0.028	0.013	0.017	0.0053	0.0066	0.002	0.0019	0.0023	0.0022	0.00952 J	0.0065	0.000833	0.00274 J	0.00754	0.00066	<0.000027
Acenaphthylene	*150*	*440*	<0.000015	0.00051	0.00018 J	<0.00007	0.000066 J	0.00011 J	0.00012 J	0.00016 J	<0.00005	<0.00005	<0.00286	<0.0000571	<0.0000566	<0.000594	<0.0006	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.000014	0.00068	0.00039	0.0011	0.00011 J	0.0002 J	0.00015 J	0.00015 J	<0.00013	<0.00011	0.00238 J	0.000124 J	<0.0000472	<0.000495	<0.0005	0.00011	0.00022
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00007	<0.00007	0.00087	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00008	<0.00008	0.00027	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00619	<0.000124	<0.000123	<0.00129	<0.0013	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.00036	<0.00036	0.0006	<0.00051	<0.00029	0.00096	0.00073	0.00096 J	0.00051 J	<0.0176	<0.000376	0.000381 J	<0.00366	<0.0037	<0.000037	<0.000037
Chrysene	*91*	*200*	<0.000021	<0.00007	<0.00007	0.00079	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	0.00019 J	<0.00007	<0.00007	<0.00005	<0.00005	0.00014 J	0.00005 J	<0.00005	<0.00005	0.00524 J	0.000127 J	<0.000104	<0.00109	<0.0011	<0.00002	<0.00002
Dibenzofuran	*9.8*	*29*	0.000036 J	0.022	0.008	0.013	0.0041	0.0049	0.0024	0.0019	0.0026	0.0023	0.00576 J	0.00514	0.00104	0.002 J	0.00663	0.00065	<0.00002
Fluoranthene	*98*	*290*	0.000011 J	<0.00007	<0.00007	0.0042	<0.00005	<0.00005	0.000091 J	0.00005 J	<0.00013	<0.00013	<0.00333	<0.0000667	<0.000066	<0.000693	<0.0007	0.0001	<0.00001
Fluorene	*98*	*290*	<0.00003	0.0078	0.0041	0.0054	0.0019	0.0024	0.00093	0.00078	0.0011	0.001	<0.00333	0.00208	0.000349 J	0.00102 J	0.00248 J	0.00033	<0.00003
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00476	<0.0000952	<0.0000943	<0.00099	<0.001	<0.000025	<0.000025
Naphthalene	*49*	*150*	0.0001	3.1	0.67	0.76	0.36 J	0.49 J	0.027	0.026	0.044	0.04	0.251	0.162 J	0.146	0.374	1.69	<0.00066	<0.00002
Nitrobenzene	*4.9*	*15*	<0.000024	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00018 J	0.00005 J	<0.00005	<0.00005	<0.029	<0.000581	<0.000575	<0.00604	<0.0061	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.000047 J	0.0034	0.00076	0.0044	0.00075	0.00098	0.00072 J	0.0005 J	<0.001	<0.001	0.00286 J	0.000776 J	<0.0000566	0.00133 J	<0.0006	<0.000075	<0.000021
Phenol	*730*	*2200*	<0.000035	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00057 J	0.00095 J	<0.00005	<0.00005	<0.0019	<0.0000381	<0.0000377	0.000889 J	<0.0004	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.000019	<0.00007	<0.00007	0.0029	<0.00005	<0.00005	0.000063 J	<0.00005	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011	<0.000019	<0.000019
Metals																			
Arsenic	*1*	*1*	0.00225															0.00114 J	0.00211

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-63B 06/06/2018	MW-63B 01/14/2019	MW-63B 07/16/2019	MW-63B 01/16/2020	MW-63B 07/23/2020	MW-63B 01/19/2021	MW-63B 07/14/2021	MW-63B 01/14/2022	MW-63B 07/21/2022	MW-63B 01/10/2023	MW-63B 07/19/2023	MW-63B 01/22/2024	MW-63B 07/29/2024	MW-67B 07/15/2010	MW-67B 01/27/2011	MW-67B 07/20/2011	MW-67B 02/09/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.01	0.0033	<0.0005	<0.0005	<0.001	<0.001
Benzene	*0.5*	*0.5*	0.048	0.35	0.11	0.018	0.1	0.0036	0.041	0.21	0.069	0.23	0.24	0.083	0.15	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	*10*	*10*	<0.0003	0.00073 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0005	<0.0005	<0.001	<0.001
Ethylbenzene	*70*	*70*	0.048	0.48	0.14	0.051	0.14	0.002	0.0063	0.0061	0.0043	0.0097	0.013	<0.015	0.042	0.0015 J	<0.0005	<0.0011	<0.0011
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.05	<0.001	<0.0005	<0.0005	<0.0013	<0.0013
Toluene	*100*	*100*	0.00093 J	0.0071	0.00071 J	<0.0002	0.0073	0.00051 J	0.00068 J	0.0021 J	0.0014	0.0028	0.0046	<0.01	0.002	<0.0005	<0.0005	<0.001	<0.001
Vinyl chloride	*0.2*	*0.2*																	
Xylenes (total)	*1000*	*1000*	0.011	0.11	0.041	0.013	0.04	0.0036	0.012	0.018	0.02	0.011	0.013	<0.015	0.012	0.0012 J	<0.001	<0.0031	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00042	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*49*	*150*	<0.0004	<0.0004	<0.00004	<0.00004	<0.00004	0.000068 J	0.0005	<0.00004	<0.00004	<0.00004	0.0071	<0.0004	<0.0008	<0.00008	<0.00008	<0.00005	0.0005 J
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.0012	<0.00009	<0.00009	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00084	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00042	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*9.8*	*29*	0.0016	0.042	0.037	<0.000056	0.006 J	<0.00033	0.029	0.0099	0.025	0.043	0.019	0.094	0.062	<0.00007	0.00007 J	<0.00005	0.00023 J
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00094	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*150*	*440*	0.0027	<0.00027	0.012	<0.000059	0.0028 J	<0.0013	0.01	0.0054	0.0063	0.0096	0.0049	0.031	0.02	0.00011 J	<0.00009	<0.00005	0.00012 J
Acenaphthylene	*150*	*440*	<0.00015	0.0029	0.00016	0.000032 J	<0.000015	<0.000015	0.000097 J	0.000058 J	0.00008 J	0.00011	<0.00015	<0.00015	<0.0003	<0.00007	0.00007 J	<0.00005	<0.00005
Anthracene	*730*	*2200*	<0.00014	0.00017 J	0.00034	<0.000081	0.000072 J	<0.000014	0.00021	0.00078	0.00017	0.00024	0.00021 J	0.0026	0.00035 J	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)anthracene	*0.91*	*2*	<0.0005	<0.00051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	<0.001	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0004	<0.00008	<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	0.00086 J	<0.0006	<0.00009	0.00009 J	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	<0.000037	0.000065 J	<0.000037	0.00005 J	0.000071 J	<0.000037	<0.000037	<0.000037	<0.00037	<0.00037	<0.00074	0.0016	0.0022 J	<0.00094	0.00042
Chrysene	*91*	*200*	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000042 J	<0.000021	<0.000021	<0.00021	<0.00021	<0.00042	<0.00007	<0.00007	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.00002	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0004	<0.00007	0.000083 J	<0.00005	<0.00005
Dibenzofuran	*9.8*	*29*	0.002	0.0087	0.011	<0.000063	0.0021 J	<0.00084	0.0091	0.0041	0.0056	0.0088	0.0049	0.027	0.019	<0.00008	0.00008 J	<0.00005	0.00013 J
Fluoranthene	*98*	*290*	<0.0001	<0.0001	<0.00001	<0.000023	<0.00001	<0.00001	<0.00001	0.00047	<0.00001	<0.00001	<0.0001	<0.0001	<0.0002	<0.00007	<0.00007	<0.00005	<0.00005
Fluorene	*98*	*290*	0.00099 J	0.0029	0.0037	<0.00012	0.00091 J	<0.00026	0.0035	0.0021	0.002	0.0032	0.0018	0.0074	0.0068	<0.00007	<0.00007	<0.00005	0.0001 J
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.0016 J	<0.00025	<0.0005	<0.00009	<0.00009	<0.00005	<0.00005
Naphthalene	*49*	*150*	0.29	2.1	1.5	<0.00035	0.29 J	<0.00018	0.91	0.49	0.9	2.1	0.8	28	3.5	<0.0001	0.00062	<0.00005	0.0019
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	0.0018 J	<0.00048	<0.00009	0.00009 J	<0.00005	<0.00005
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.0008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.0016	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*73*	*220*	<0.00021	0.00094 J	0.0013	<0.000072	0.00036 J	<0.000021	0.0016	0.0019	0.00087	0.0012	0.00058 J	0.0026	0.0025	<0.00007	<0.00007	<0.00005	0.00011 J
Phenol	*730*	*2200*	<0.00035	<0.00035	<0.000035	<0.000035	<0.000035	0.00015 J	<0.000035	0.00029	<0.000035	<0.000035	<0.00035	<0.00035	<0.0007	<0.00007	<0.00007	<0.00005	0.000089 J
Pyrene	*73*	*220*	<0.00019	<0.00019	<0.000019	<0.000021	<0.000019	<0.000019	<0.000019	0.00027	<0.000019	<0.000019	<0.00019	<0.00019	<0.00038	<0.00007	<0.00007	<0.00005	<0.00005
Metals																			
Arsenic	*1*	*1*	0.000818 J	0.00338	0.00156 J	0.00204	<0.0004	0.00337	<0.0004	0.000659 J	0.00985	0.00133 J	0.00224	0.00056 J	0.00106 J				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-67B 07/17/2012	MW-67B 02/12/2013	MW-67B 08/08/2013	MW-67B 01/23/2014	MW-67B 07/24/2014	MW-67B 01/31/2018	MW-67B 03/27/2018	MW-67B 06/06/2018	MW-67B 01/24/2019	MW-67B 07/31/2019	MW-67B 01/15/2020	MW-67B 07/22/2020	MW-67B 01/20/2021	MW-67B 07/20/2021	MW-67B 01/21/2022	MW-67B 07/27/2022	MW-67B 02/02/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00036	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*			<0.00011		<0.00011							<0.0002					
Xylenes (total)	*1000*	*1000*	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00005	<0.000105	<0.000104	<0.000106	<0.000106	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00005	<0.000295	<0.000292	<0.000298	<0.000298	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00005	<0.000124	<0.000123	<0.000125	<0.000125	<0.000058	<0.000058	0.000058 J	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	0.0022 J	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000021	<0.000021	0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.000062 J	<0.0000667	<0.000066	<0.0000673	<0.0000673	<0.000031	<0.000019	0.000061 J	<0.000019	<0.000019	<0.000019	0.00012	0.000035 J	<0.000019	<0.000019	0.00004 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	R	<0.000783	<0.000798	<0.000798	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00005	<0.000533	<0.000528	<0.000538	<0.000538	<0.000047	<0.000047	0.000047 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000027	<0.000027	0.000027 J	<0.000027	<0.000027	<0.000027	0.00005 J	0.000058 J	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*150*	*440*	<0.00005	<0.0000571	<0.0000566	<0.0000577	<0.0000577	<0.000015	<0.000015	0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.00005	<0.0000476	<0.0000472	<0.000424	<0.0000481	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00005	<0.000124	<0.000123	<0.000125	<0.000125	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00012 J	<0.000352	<0.000349	<0.000356	0.00184	<0.000056	<0.000037	<0.00056	0.000051 J	<0.000037	0.00009 J	0.0003	<0.00021	0.000053 J	<0.000037	<0.000037	<0.000037
Chrysene	*91*	*200*	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00005	<0.000105	0.000119 J	<0.000834	<0.000106	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000054 J	0.00025	<0.00002	<0.00002	<0.00002	<0.00002
Dibenzofuran	*9.8*	*29*	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.00002	<0.00002	0.000069 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	<0.00005	<0.0000667	<0.000066	<0.0000673	<0.0000673	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*98*	*290*	<0.00005	<0.0000667	<0.000066	<0.0000673	<0.0000673	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	0.000033 J	<0.00003	<0.00003	0.000044 J	<0.00003
N-Nitrosodiphenylamine	*19*	*42*	<0.00005	<0.0000952	<0.0000943	<0.0000962	<0.0000962	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*49*	*150*	0.00049	<0.0000762	0.000433 J	<0.000711	0.000275 J	<0.00045	0.00013	0.00047 J	<0.00002	0.000079 J	<0.00002	0.00064	0.00074	0.000057 J	<0.00002	0.00013	<0.00002
Nitrobenzene	*4.9*	*15*	<0.00005	<0.000105	<0.000104	<0.000106	<0.000106	<0.000024	<0.000024	0.000024 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	<0.00005	0.000581 J	<0.000575	<0.000587	<0.000587	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.00005	<0.0000571	<0.0000566	<0.000377	<0.0000577	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*730*	*2200*	<0.00005	<0.0000381	<0.0000377	<0.0000385	<0.0000385	0.00018 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000095 J	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.00005	<0.000105	<0.000104	<0.000106	<0.000106	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*1*	*1*						0.000751 J	0.000565 J	0.000416 J	<0.0004	0.000494 J	0.000467 J	<0.0004	0.000818 J	<0.0004	<0.0004	0.000814 J	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	Class 3 C/I PCL	MW-67B 07/24/2023	MW-67B 01/24/2024	MW-67B 07/30/2024	MW-70B 07/17/2012 DNAPL	MW-70B 02/07/2013 DNAPL	MW-70B 01/22/2014 DNAPL	MW-70B 07/28/2014 DNAPL	MW-70B 01/20/2020 DNAPL	MW-70B 07/23/2020	MW-70B 01/27/2021	MW-70B 07/21/2021	MW-70B 01/13/2022	MW-70B 07/21/2022	MW-70B 02/01/2023	MW-70B 07/20/2023	MW-70B 01/23/2024	MW-70B 07/29/2024
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0025	<0.007	<0.0002	<0.0014	<0.01	<0.002	<0.002	<0.002	<0.001	<0.01	<0.005	<0.0002	0.041 J	<0.2
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	0.21	**2.01**	**2.39**	**2.55**	**1.9**	**1.5**	0.1	**0.6**	**1.9**	**2.3**	**1.8**	**2**	**2.2**	**2.2**
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0025	0.0317 J	0.000715	<0.0012	<0.015	<0.003	<0.003	<0.003	<0.0015	<0.015	<0.0075	<0.0003	<0.015	<0.3
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	0.058	0.524	0.621	0.742	0.57	0.75	0.58	0.54	0.7	0.75	0.42	0.39	0.61	0.37 J
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.005	<0.0075	<0.00022	<0.0015	<0.05	<0.01	<0.01	<0.01	<0.005	<0.05	<0.025	<0.001	<0.05	**<1**
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	0.22	1.65	2.31	2.76	2.1	2.3	0.7	0.6	2	2.4	1.7	1.9	2.3	1.7
Vinyl chloride	*0.2*	*0.2*								<0.01									
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	0.19	1.51	1.68	2.11	1.5	2.1	0.6	0.5	2	2.1	1.1	1	1.7	0.88 J
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.0005	<0.075	<0.0157	<0.0107	<0.00042	<0.0021	<0.00021	<0.00021	<0.0021	<0.01	<0.021	<0.0021	<0.1	<0.0021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	0.00014 J	2.6	<2.11	**72**	**50.8**	49	16 J	0.1	1	8.5	39	22	13	18	21
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.0005	<0.0886	<0.0186	<0.0126	<0.0012	<0.0058	<0.00058	<0.00058	<0.0058	<0.029	<0.058	<0.0058	**<0.29**	<0.0058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.0006	<0.0545	<0.0114	<0.00777	<0.00084	<0.0042	<0.00042	<0.00042	<0.0042	<0.021	<0.042	<0.0042	**<0.21**	<0.0042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.0005	<0.0545	<0.0114	<0.00777	<0.00042	<0.0021	<0.00021	<0.00021	<0.0021	<0.01	<0.021	<0.0021	<0.1	<0.0021
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	0.00017	0.94	1.21	1.4	1.31	**10**	2 J	0.22	0.71	4.8	**140**	0.77	0.84	**150**	1.1
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.0008	**<0.566**	<0.119	<0.0806	<0.0004	<0.002	<0.0002	<0.0002	<0.002	<0.01	<0.02	<0.002	<0.1	<0.002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.0005	<0.382	<0.08	<0.0544	<0.00094	<0.0047	<0.00047	<0.00047	<0.0047	<0.024	<0.047	<0.0047	<0.24	<0.0047
Acenaphthene	*150*	*440*	<0.000027	<0.000027	0.000048 J	0.91	0.515	0.454	0.374	7.1	0.58 J	0.13	0.23	2.6	78	0.27	0.38	87	0.46
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	0.011	0.0424 J	<0.00857	0.0114 J	0.079	0.017 J	0.0044	<0.00015	0.047	0.98	0.015	<0.0015	1.7	0.013
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	0.096	0.051 J	0.0423 J	0.0387 J	5.8	0.27 J	0.038	0.054	1.3	39	0.064 J	0.16	35	0.18
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	0.016	<0.0545	<0.0114	<0.00777	0.52	0.054 J	0.0046	0.0051	0.17	**6.4**	<0.05	0.025	**6.9**	0.031
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	0.0041	**<0.0545**	<0.0114	<0.00777	**0.13**	0.019 J	0.0016	0.0018	**0.039**	**1.6**	<0.02	0.0066 J	**2**	0.009 J
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	**<0.00003 JL**	<0.00003	<0.00003	<0.0005	**<0.0886**	<0.0186	<0.0126	<0.0006	<0.003	<0.0003	<0.0003	<0.003	<0.015	<0.03	<0.003	**<0.15**	<0.003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.000037	<0.000037	0.0068	<0.252	<0.0529	<0.0359	0.0039 J	<0.0037	<0.00037	<0.00037	<0.0037	<0.018	<0.037	<0.0037	<0.18	<0.0037
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	0.013	<0.0545	<0.0114	<0.00777	0.63	0.044 J	0.0038	0.005	0.21	7.1	<0.021	0.023	6	0.029
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	<0.0005	<0.075	<0.0157	<0.0107	<0.0004	<0.002	<0.0002	<0.0002	<0.002	<0.01	<0.02	<0.002	<0.1	<0.002
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	0.000059 J	0.69	0.345	0.355	0.278	6.2	0.57 J	0.12	0.22	2.5	**76**	0.27	0.35	**75**	0.41
Fluoranthene	*98*	*290*	<0.00001	<0.00001	<0.00001	0.28	<0.0477	0.0105 J	0.013 J	4.7	0.39 J	0.036	0.048	1.9	55	0.039 J	0.21	60	0.25
Fluorene	*98*	*290*	<0.00003	<0.00003	<0.00003	0.66	0.211 J	0.217	0.186	6.7	0.52 J	0.092	0.16	2.3	70	0.16	0.32	74	0.38
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.0005	<0.0682	<0.0143	<0.00971	<0.0005	<0.0025	<0.00025	<0.00025	<0.0025	<0.012	<0.025	<0.0025	<0.12	<0.0025
Naphthalene	*49*	*150*	0.000058 J	<0.00002	0.0016	5.3	17.3 J	30.1	18.1	**71**	15 J	0.9	5	22	**590**	17	9.1	**490**	13
Nitrobenzene	*4.9*	*15*	**<0.000024 JL**	<0.000024	<0.000024	<0.0005	<0.075	<0.0157	<0.0107	<0.00048	<0.0024	<0.00024	<0.00024	<0.0024	<0.012	<0.024	<0.0024	<0.12	<0.0024
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.0005	**<0.416**	<0.0871	<0.0592	<0.0016	<0.0079	<0.00079	<0.00079	<0.0079	<0.04	<0.079	<0.0079	**<0.4**	<0.0079
Phenanthrene	*73*	*220*	<0.000021	<0.000021	0.000047 J	0.93	0.227 J	0.175	0.162	14	2.3 J	0.16	0.25	5.8	**200**	0.24	0.65	**180**	0.76
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	0.077	2.87	3.86	1.69	3.4	1.7 J	0.45	0	0.71	3.3	1.4	0.73	0.41 J	0.94
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	0.094	<0.075	<0.0157	<0.0107	3.2	0.24 J	0.02	0.027	0.97	37	0.022 J	0.13	35	0.15
Metals																			
Arsenic	*1*	*1*	0.00106 J	0.000518 J	0.00155 J					0.0012 J	0.00168 J	0.00199 J	0.0017 J	0.00197 J	0.00222	0.00332	0.00307	0.002 J	0.00165 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-71B 02/08/2012	MW-71B 07/18/2012	MW-71B 02/07/2013	MW-71B 08/07/2013	MW-71B 01/24/2014	MW-71B 07/28/2014	MW-71B 01/25/2018	MW-71B 03/26/2018	MW-71B 06/06/2018	MW-71B 01/15/2019	MW-71B 07/17/2019	MW-71B 01/15/2020	MW-71B 07/23/2020	MW-71B 01/20/2021	MW-71B 07/14/2021	MW-71B 01/12/2022	MW-71B 07/21/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002
Benzene	*0.5*	*0.5*	0.012	0.0014 J	0.0124	0.103	0.039	0.00155	<0.0002	0.0042	0.027	0.0024	0.13	0.0021	0.082	0.012	0.043	0.0055 J	0.023
Chlorobenzene	*10*	*10*	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0003
Ethylbenzene	*70*	*70*	0.0045 J	0.0075	0.00541	0.0354	0.00793	<0.00011	<0.0003	0.00065 J	0.0055	0.00093 J	0.031	0.0013	0.017	0.0033	0.0064	<0.003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.012 J	<0.001
Toluene	*100*	*100*	0.0077	0.0078	0.0104	0.0355	0.00918	0.00423	<0.0002	0.00094 J	0.0033	<0.0002	0.023	<0.0002	0.0024	0.00079 J	0.0033	<0.002	<0.0002
Vinyl chloride	*0.2*	*0.2*				<0.00011													
Xylenes (total)	*1000*	*1000*	0.016	0.033	0.0143	0.0615	0.0202	0.0126	<0.0003	0.0044	0.013	0.00084 J	0.054	0.003	0.0087	0.0025	0.004	<0.003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00005	<0.00005	<0.000105	<0.00519	<0.000106	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	0.0034	<0.00005	<0.000295	<0.0146	0.0225	<0.000301	<0.000041	<0.000041	0.00044	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00073	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00005	<0.00005	<0.000124	<0.00613	<0.000125	<0.000126	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00006	<0.00006	<0.0000762	<0.00377	<0.0000769	<0.0000777	<0.000043	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00005	<0.00005	<0.0000762	<0.00377	<0.0000769	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.0076	<0.0004	0.000377 J	0.114	0.0476	<0.000068	<0.000019	0.0017	0.00031	<0.000019	0.024	0.006	0.0026 J	0.00034	0.0021	<0.000019	0.000092 J
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.00008	<0.00079	<0.0392	<0.000798	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00005	<0.00005	<0.000533	<0.0264	<0.000538	<0.000544	<0.000048	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.0039	<0.00017	0.0044	0.0346	0.0212	0.000785	<0.000028	0.0043	0.0023	<0.000027	0.016	0.0053	0.0019 J	0.000079 J	0.007	0.0037	0.004
Acenaphthylene	*150*	*440*	0.00019 J	<0.00005	0.000135 J	<0.00283	0.00122	<0.0000583	<0.000015	0.000066 J	0.00011	<0.000015	0.00033	0.00015	<0.000015	<0.000015	0.000077 J	0.000051 J	<0.000015
Anthracene	*730*	*2200*	0.00056	<0.00013	0.000452 J	0.00383 J	0.00198	<0.0000485	0.000064 J	0.0022	0.00041	<0.000014	0.0066	0.0039	0.00054 J	0.00015	0.0019	0.00057	0.00064
Benzo(a)anthracene	*0.91*	*2*	0.000081 J	0.00011 J	<0.0000762	<0.00377	<0.0000769	<0.0000777	0.00015	0.00067	0.00013	<0.00005	0.0026	0.0011	0.00041 J	0.00028	0.00054	0.00028	0.00017
Benzo(a)pyrene	*0.02*	*0.02*	0.00012 J	0.00014 J	<0.0000762	<0.00377	<0.0000769	<0.0000777	0.0002	0.00029	0.00018	0.000021 J	0.00083	0.00052	0.00026 J	0.00014	0.00015	0.00012	0.000093 J
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00005	<0.00005	<0.000124	<0.00613	<0.000125	<0.000126	<0.000031	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.0013	0.00012 J	<0.000352	<0.0175	<0.000356	<0.000359	0.00018 J	0.000081 J	<0.00056	<0.000037	<0.00014	0.00063	<0.000037	<0.00012	0.000084 J	<0.000037	0.00012 J
Chrysene	*91*	*200*	0.000089 J	0.00015 J	<0.0000762	<0.00377	<0.0000769	<0.0000777	0.00023	0.00077	0.00025	<0.000021	0.0024	0.0011	0.00043 J	0.00027	0.00044	0.00031	0.00024
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00005	<0.00005	<0.000105	<0.00519	<0.00085	<0.000107	<0.00002	<0.00002	<0.00002	0.000022 J	<0.00002	0.00098	<0.00002	<0.000091	0.000037 J	<0.00002	<0.00002
Dibenzofuran	*9.8*	*29*	0.0031	<0.00016	0.00244	0.0292	0.0175	<0.0000777	<0.00002	0.004	0.0019	<0.00002	0.016	0.0049	0.0015 J	0.00013	0.0068	0.0028	0.002
Fluoranthene	*98*	*290*	0.00053	<0.00026	0.000387 J	<0.0033	0.000712	0.000149 J	0.00033	0.0045	0.0005	0.000039 J	0.017	0.0057	0.0015 J	0.0007	0.0041	0.00062	0.001
Fluorene	*98*	*290*	0.002	<0.00023	0.00168	0.0127 J	0.0104	<0.000068	<0.000031	0.0032	0.0013	<0.00003	0.0093	0.0038	0.0011 J	0.0001	0.0043	0.0028	0.0026
N-Nitrosodiphenylamine	*19*	*42*	<0.00005	<0.00005	<0.0000952	<0.00472	<0.0000962	<0.0000971	<0.000026	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	*49*	*150*	0.051	<0.0019	0.0000937 J	2.07	0.504	<0.000471	<0.00002	0.00048	0.00011	<0.00002	0.44	0.0064	0.23 J	0.0048	0.14	<0.00034	0.00047
Nitrobenzene	*4.9*	*15*	<0.00005	<0.00005	<0.000105	<0.00519	<0.000106	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	*0.1*	*0.1*	0.00022	<0.00005	<0.000581	<0.0288	<0.000587	<0.000592	<0.000081	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.0025	<0.00034	0.00127	0.0124 J	0.00677	<0.0000583	0.00012	0.012	0.0016	<0.000021	0.03	0.017	0.0022 J	<0.00018	0.0048	0.00064	0.00037
Phenol	*730*	*2200*	0.00037	<0.00005	<0.0000381	<0.00189	<0.0000385	<0.0000388	<0.000036	<0.000036	<0.000035	<0.000035	0.000051 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	0.00057	<0.00026	0.000253 J	<0.00519	0.000353 J	<0.000107	0.00031	0.0028	0.00064	0.000037 J	0.0088	0.0042	0.001 J	0.00047	0.0027	0.00035	0.00058
Metals																			
Arsenic	*1*	*1*							0.00174 J	0.00214	0.000851 J	0.00158 J	0.000626 J	0.00279	<0.0004	0.000934 J	<0.00118	0.0012 J	0.00138 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-71B 02/01/2023	MW-71B 07/20/2023	MW-71B 01/23/2024	MW-71B 07/29/2024	MW-72B 07/12/2012	MW-72B 02/01/2013	MW-72B 07/29/2013	MW-72B 01/15/2014	MW-72B 02/08/2018	MW-72B 03/19/2018	MW-72B 05/16/2018	MW-72B 01/24/2019	MW-72B 07/10/2019	MW-72B 01/09/2020	MW-72B 07/14/2020	MW-72B 01/21/2021	MW-72B 07/26/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.005	<0.007	<0.014	<0.0002	0.018	<0.0002	<0.001	0.011	<0.0002	<0.002	<0.0002	<0.005	<0.002
Benzene	*0.5*	*0.5*	<0.0002	0.01	0.00048 J	0.0002 J	**1.4**	**1.45**	**1.23**	**0.932**	**0.8**	**1.1**	**1.2**	**0.63**	**1.1**	**0.7**	**0.92**	**0.98**	**1**
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.005	<0.006	<0.012	0.00029 J	0.00033 J	<0.0003	<0.0015	<0.003	<0.0003	<0.003	0.0003 J	<0.0075	<0.003
Ethylbenzene	*70*	*70*	<0.0003	0.00098 J	<0.0003	<0.0003	0.31	0.321	0.332	0.224	0.26	0.31	0.34	0.2	0.3	0.13	0.23	0.24	0.32
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0075	0.291	<0.00022	<0.001	<0.001	<0.005	<0.01	<0.001	<0.01	<0.001	<0.025	<0.01
Toluene	*100*	*100*	<0.0002	0.0013	<0.0002	<0.0002	1.1	1.18	1.12	0.724	0.72	0.99	0.95	0.58	0.96	0.58	0.75	0.87	1.1
Vinyl chloride	*0.2*	*0.2*																	
Xylenes (total)	*1000*	*1000*	<0.0003	0.0018 J	0.001 J	<0.0003	0.88	0.96	0.928	0.661	0.87	0.94	1.1	0.63	0.97	0.36	0.54	0.67	0.89
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.00021	<0.0001	<0.0005	<0.0524	<0.0267	**<0.156**	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.0004	0.00031 J	20	**98.1**	29.9	**182 J**	10	16	14	2	19	13	22	4.2	7.5
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.00058	<0.00029	<0.0005	<0.0619	<0.0316	**<0.184**	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.00042	<0.00021	<0.0006	<0.0381	<0.0194	<0.113	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.00021	<0.0001	<0.0005	<0.0381	<0.0194	<0.113	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.00019	<0.000095	0.74	1.39	1.19	3.37	0.33	0.42	0.23	0.071	0.57	0.22	0.099	0.2	0.25
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.0002	<0.0001	<0.0008	**<0.395**	<0.201	**<1.17**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.00047	<0.00024	<0.0005	<0.267	<0.136	<0.792	<0.00047	<0.00047	<0.00047	0.0073 J	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047
Acenaphthene	*150*	*440*	<0.000027	0.00042	0.0018	0.00038 J	0.23	0.584	0.476	1.6	0.07	0.15	0.12	0.019	0.2	0.079	0.063	0.059	0.078
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.00015	<0.000075	0.0073	<0.0286	<0.0146	<0.0849	0.0021	<0.00015	0.003	0.00069 J	0.0044	0.0023	0.0018	0.0019	0.002
Anthracene	*730*	*2200*	0.000024 J	0.0001	0.0013	0.0001 J	0.017	0.0646 J	0.033 J	0.179 J	0.0085	0.02	<0.00014	0.0015	0.034	0.02	0.0059	0.0044	0.011
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.0005	<0.00025	<0.0005	<0.0381	<0.0194	<0.113	<0.0005	<0.0005	<0.0005	<0.0005	0.0069	0.0031	0.00062 J	<0.0005	0.002
Benzo(a)pyrene	*0.02*	*0.02*	0.000066 J	<0.00002	<0.0002	0.00012 J	<0.0005	**<0.0381**	<0.0194	**<0.113**	<0.0002	<0.0002	<0.0002	<0.0002	0.0019	0.0011	<0.0002	<0.0002	0.00078 J
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.0003	<0.00015	<0.0005	<0.0619	<0.0316	**<0.184**	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.000072 J	<0.000037	<0.00037	<0.00018	<0.001	<0.176	<0.0898	<0.524	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.00021	0.00016 J	<0.0005	<0.0381	<0.0194	<0.113	<0.00021	<0.00021	<0.00021	<0.00021	0.0069	0.0033	0.00027 J	<0.00021	0.002
Di-n-butylphthalate (DBP)	*240*	*730*	0.000022 J	<0.00002	<0.0002	<0.0001	<0.0005	<0.0524	<0.0267	<0.156	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibenzofuran	*9.8*	*29*	<0.00002	0.00021	0.0011	<0.0001	0.18	0.355	0.348	1.21	0.06	0.13	0.082	0.017	0.16	0.061	0.052	0.046	0.066
Fluoranthene	*98*	*290*	0.00012	0.00018	0.0022	0.00054	0.0034	<0.0333	<0.017	<0.0991	<0.0001	0.0015	0.00095 J	<0.0001	0.046	0.024	0.0012	0.00084 J	0.012
Fluorene	*98*	*290*	<0.00003	0.00024	0.00083	<0.00015	0.11	0.253	0.224	0.7 J	0.032	0.069	0.051	0.0091	0.12	0.049	0.031	0.028	0.045
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.00025	<0.00012	<0.0005	<0.0476	<0.0243	<0.142	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Naphthalene	*49*	*150*	0.000046 J	0.000048 J	<0.0002	<0.0001	16	**88.5 J**	25	**82.8**	7.5	13	12	1.2	12	2	8.8	5.6	7.1
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.00024	<0.00012	<0.0005	<0.0524	<0.0267	<0.156	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.00079	<0.0004	<0.0005	**<0.29**	**<0.148**	**<0.863**	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079
Phenanthrene	*73*	*220*	0.000035 J	0.000082 J	0.0027	0.00027 J	0.079	0.264	0.182	0.76	0.02	0.084	0.045	0.0042	0.16	0.075	0.028	0.016	0.05
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.00035	<0.00018	3.4	7.51	6.31	31.4	4.2	4.2	2.3	0.58	9.3	5.2	6.4	2.1	2.8
Pyrene	*73*	*220*	0.00011	0.00012	0.0021	0.00039 J	0.0019 J	<0.0524	<0.0267	<0.156	<0.00019	0.0012	0.00074 J	<0.00019	0.029	0.013	0.00093 J	0.00039 J	0.0087
Metals																			
Arsenic	*1*	*1*	0.00245	6.39E-05 J	0.00168 J	0.00108 J					0.00127 J	0.000624 J	0.000951 J	0.00106 J	0.000861 J	0.00105 J	0.00106 J	0.00141 J	0.00217

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

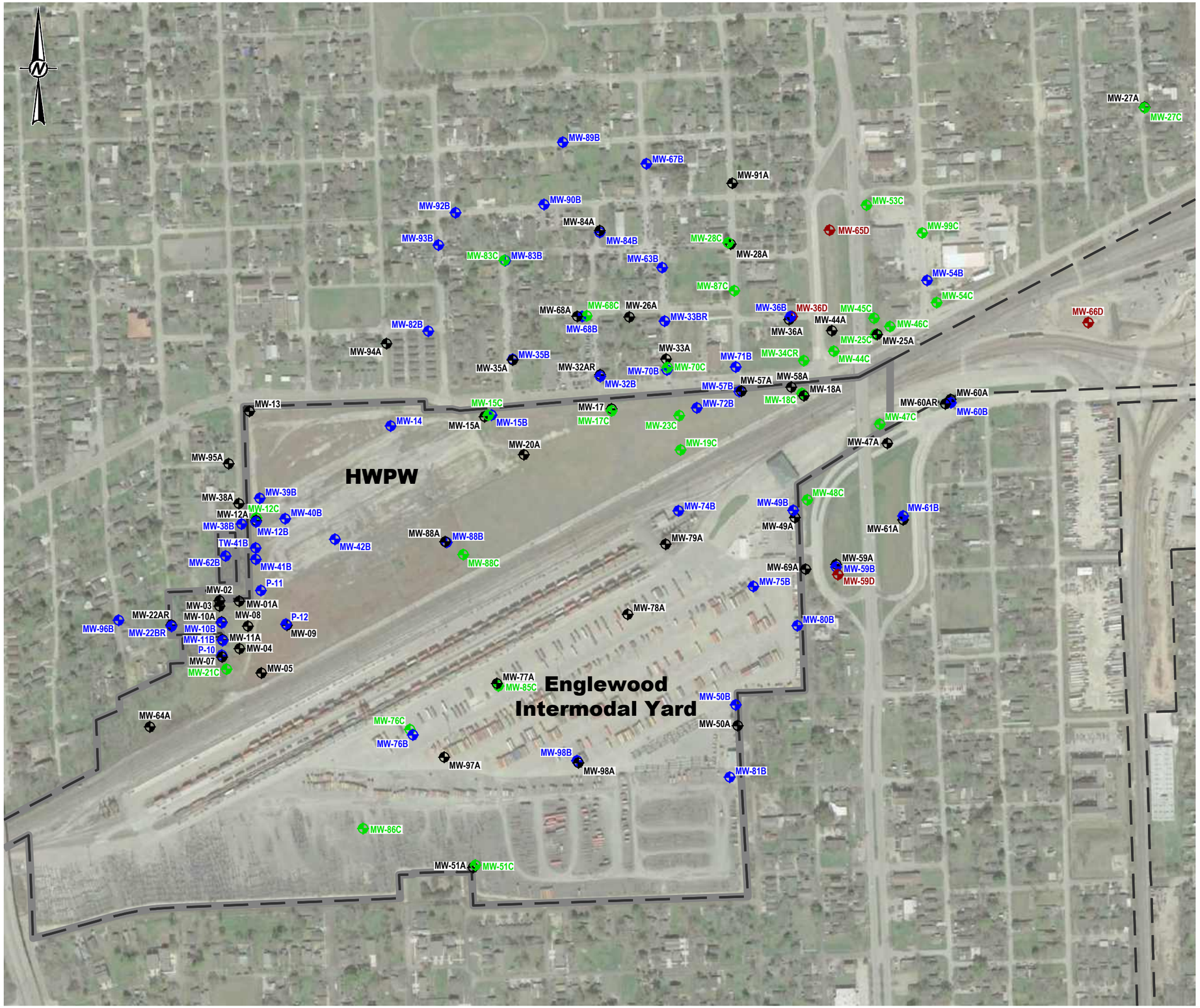
TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2024)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-72B 01/13/2022	MW-72B 07/12/2022	MW-72B 01/19/2023	MW-72B 07/13/2023	MW-72B 01/19/2024	MW-72B 08/01/2024
Volatile Organic Compounds								
1,2-Dichloroethane	*0.5*	*0.5*	<0.001	<0.0002	<0.001	<0.02	<0.01	<0.00372
Benzene	*0.5*	*0.5*	**0.94**	**0.91**	**0.9**	**1.3**	**0.96**	**0.862**
Chlorobenzene	*10*	*10*	<0.0015	<0.0003	<0.0015	<0.03	<0.015	<0.00455
Ethylbenzene	*70*	*70*	0.37	0.21	0.21	0.32	0.2	0.224
Methylene chloride	*0.5*	*0.5*	<0.005	<0.001	<0.005	<0.1	<0.05	<0.0173
Toluene	*100*	*100*	0.83	0.73	0.81	1.1	0.74	0.828
Vinyl chloride	*0.2*	*0.2*						
Xylenes (total)	*1000*	*1000*	1.2	0.6	0.58	0.88	0.55	0.613
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.021	<0.0042	<0.0021	<0.001	<0.0021
2,4-Dimethylphenol	*49*	*150*	10	16	4.5	8.2	8.2	4.5
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.058	<0.012	<0.0058	<0.0029	<0.0058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.042	<0.0084	<0.0042	<0.0021	<0.0042
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.021	<0.0042	<0.0021	<0.001	<0.0021
2-Methylnaphthalene	*9.8*	*29*	0.48	0.42	0.14	0.24	0.2	0.11
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.02	<0.004	<0.002	<0.001	<0.002
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.047	<0.0094	<0.0047	<0.0024	<0.0047
Acenaphthene	*150*	*440*	0.14	0.15	0.056	0.083	0.08	0.056
Acenaphthylene	*150*	*440*	0.0031	<0.015	<0.003	<0.0015	<0.00075	<0.0015
Anthracene	*730*	*2200*	0.012	<0.014	0.0086 J	0.0079 J	0.01	0.0074 J
Benzo(a)anthracene	*0.91*	*2*	<0.0005	<0.05	<0.01	<0.005	<0.0025	<0.005
Benzo(a)pyrene	*0.02*	*0.02*	<0.0002	<0.02	<0.004	<0.002	<0.001	<0.002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.03	<0.006	<0.003	<0.0015	<0.003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.037	<0.0074	<0.0037	<0.0018	<0.0037
Chrysene	*91*	*200*	<0.00021	<0.021	<0.0042	<0.0021	<0.001	<0.0021
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.02	<0.004	<0.002	<0.001	<0.002
Dibenzofuran	*9.8*	*29*	0.088	0.11	0.044	0.059	0.06	0.064
Fluoranthene	*98*	*290*	0.0012	<0.01	0.0067 J	0.0026 J	0.0085	0.0074 J
Fluorene	*98*	*290*	0.054	0.07 J	0.033	0.041	0.043	0.032
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.025	<0.005	<0.0025	<0.0012	<0.0025
Naphthalene	*49*	*150*	9.4	9.4	3.2	5.2	3.5	3.9
Nitrobenzene	*4.9*	*15*	<0.00024	<0.024	<0.0048	<0.0024	<0.0012	<0.0024
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.079	<0.016	<0.0079	<0.004	<0.0079
Phenanthrene	*73*	*220*	0.035	0.049 J	0.037	0.03	0.05	0.043
Phenol	*730*	*2200*	5.3	4.9	1.6	3.1	1.8	0.92
Pyrene	*73*	*220*	<0.00019	<0.019	<0.0038	<0.0019	0.0051	0.0061 J
Metals								
Arsenic	*1*	*1*	0.00232	0.00312	0.0868	0.0039	0.00383	0.00318

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
6. J = Estimated value, < = not detected at the specified detection limit, JL = estimated value, biased low, R = rejected.

FIGURES



LEGEND

- UPRR PROPERTY BOUNDARY
- A-TZ MONITORING WELL LOCATION
- B-CZ/B-TZ MONITORING WELL LOCATION
- C-TZ MONITORING WELL LOCATION
- D-TZ MONITORING WELL LOCATION

REFERENCE(S)

PARCEL BOUNDARIES: CITY OF HOUSTON GEOGRAPHIC INFORMATION & MANAGEMENT SYSTEMS (GIMS).
AERIAL: GOOGLE EARTH, IMAGERY DATED 2/23/19.

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

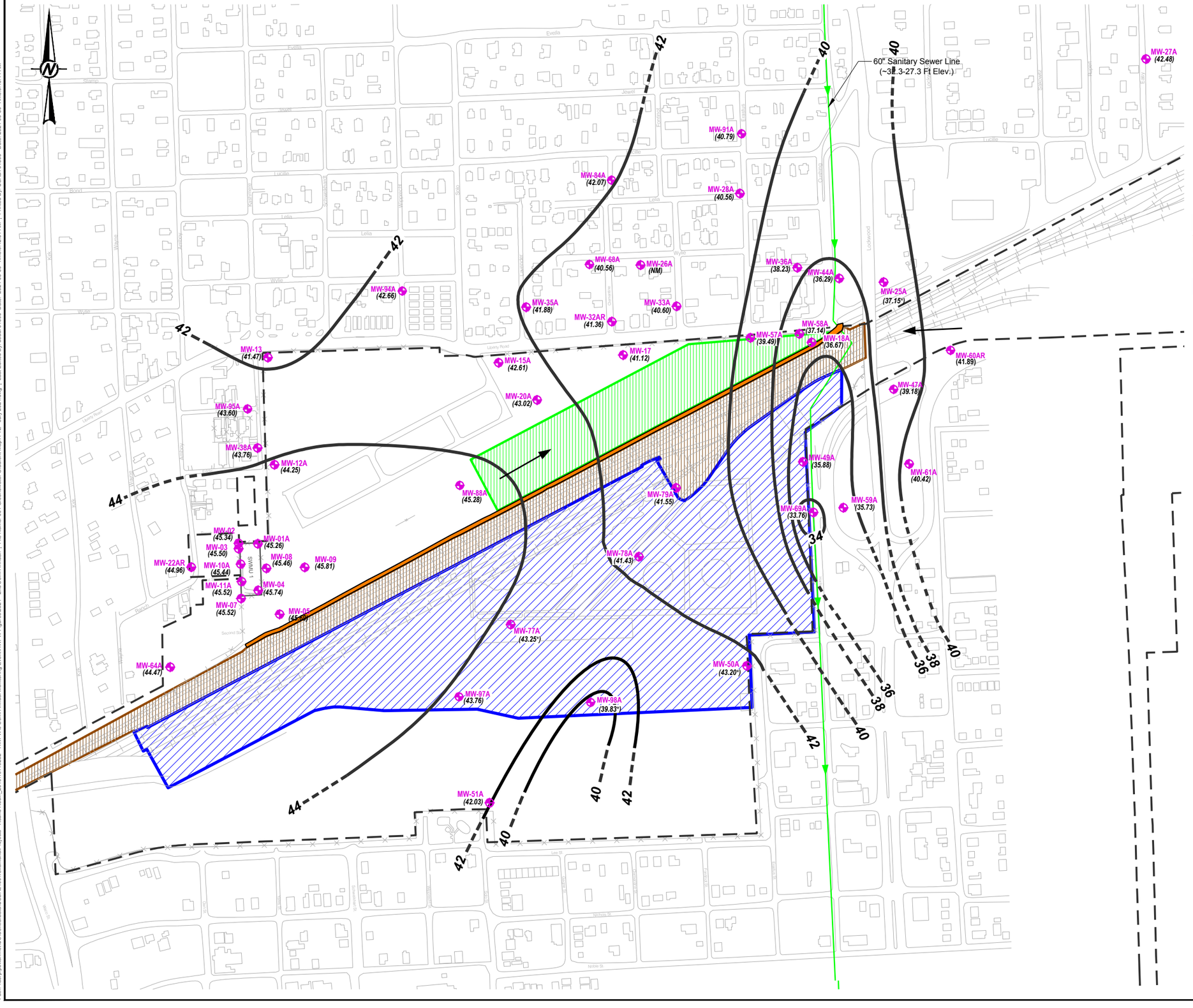
TITLE
MONITORING WELL LOCATION MAP

CONSULTANT

YYYY-MM-DD	2023-06-05
DESIGNED	RS
PREPARED	RS
REVIEWED	MH
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 1

Path: \\pdxfer.pdx\complexdata\office\Texarkana\Projects - Round Rock_2019\19119232 - HWPW\2023-06\ | File Name: 1 - MW Location Map.dwg | Last Edited By: adiamond Date: 2023-06-05 Time:2:06:30 PM | Printed By: adiamond Date: 2023-06-05 Time:2:18:25 PM
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

- UPRR PROPERTY BOUNDARY
- HISTORIC STRUCTURE AND FEATURE
- ROAD, PARKING LOT, SIDEWALK
- FENCE
- RAILROAD
- A-TZ MONITORING WELL LOCATION
- (39.87) GROUNDWATER ELEVATION (FT, HVD)
- 38 GROUNDWATER ELEVATION CONTOUR (FT, HVD) C.I. = 2 FT
- INFERRED GROUNDWATER FLOW DIRECTION
- RAILROAD BALLAST CAP AREA
- ASPHALT CAP AREA
- SOIL CAP
- CONCRETE CAP AREA

NOTE(S)

1. VERTICAL DATUM BASED ON CITY OF HOUSTON VERTICAL DATUM (HVD).
2. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (DURING JULY 2024 SITE WIDE MONITORING EVENT).
3. * - WELL OBSTRUCTED IN JULY 2024. SEPTEMBER 2024 WATER LEVELS USED TO DEVELOP POTENTIOMETRIC SURFACE.

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - A-TZ
JULY 2024

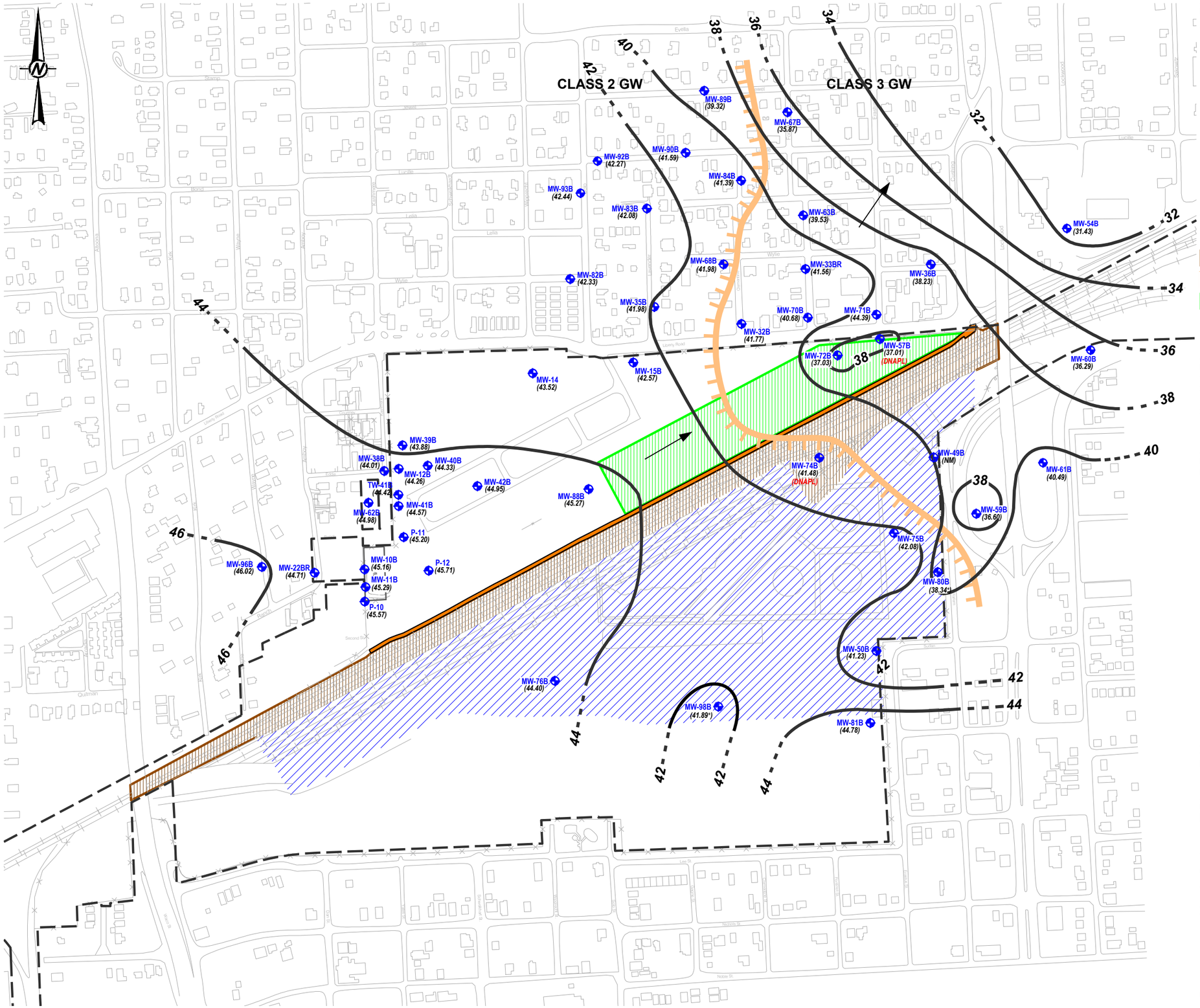
CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2024-08-29
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AKS
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 2

Path: \\corp.pbwan.net\US\Central\Data\USDAL400\Texarkana\Projects - Round Rock_2019\191192232 - HWPW\0-Semi-Annual Monitoring Event\HWPW Figures\2024 - 2nd Semi-Annual\ | File Name: 001 Groundwater Gradient Map A-TZ - July 2024.dwg | Last Edited By: usadl701305 Date: 2024-08-30 Time:9:42:51 AM | Printed By: USADT01305 Date: 2024-08-30 Time:9:43:44 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

- UPRR PROPERTY BOUNDARY
- HISTORIC STRUCTURE AND FEATURE
- ROAD, PARKING LOT, SIDEWALK
- FENCE
- RAILROAD
- B-TZ MONITORING WELL LOCATION
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) — B-TZ/B-CZ BOUNDARY
- (39.63) — GROUNDWATER ELEVATION (FT, HVD)
- 36 — GROUNDWATER ELEVATION CONTOUR (FT, HVD) C.I. = 2 FT
- INFERRED GROUNDWATER FLOW DIRECTION
- RAILROAD BALLAST CAP AREA
- ASPHALT CAP AREA
- SOIL CAP
- CONCRETE CAP AREA

NOTE(S)

1. VERTICAL DATUM BASED ON CITY OF HOUSTON VERTICAL DATUM (HVD).
2. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (DURING JULY 2024 SITE WIDE MONITORING EVENT).
3. * - WELL OBSTRUCTED IN JULY 2024. SEPTEMBER 2024 WATER LEVELS USED TO DEVELOP POTENTIOMETRIC SURFACE.

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
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LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - B-TZ/B-CZ
JULY 2024

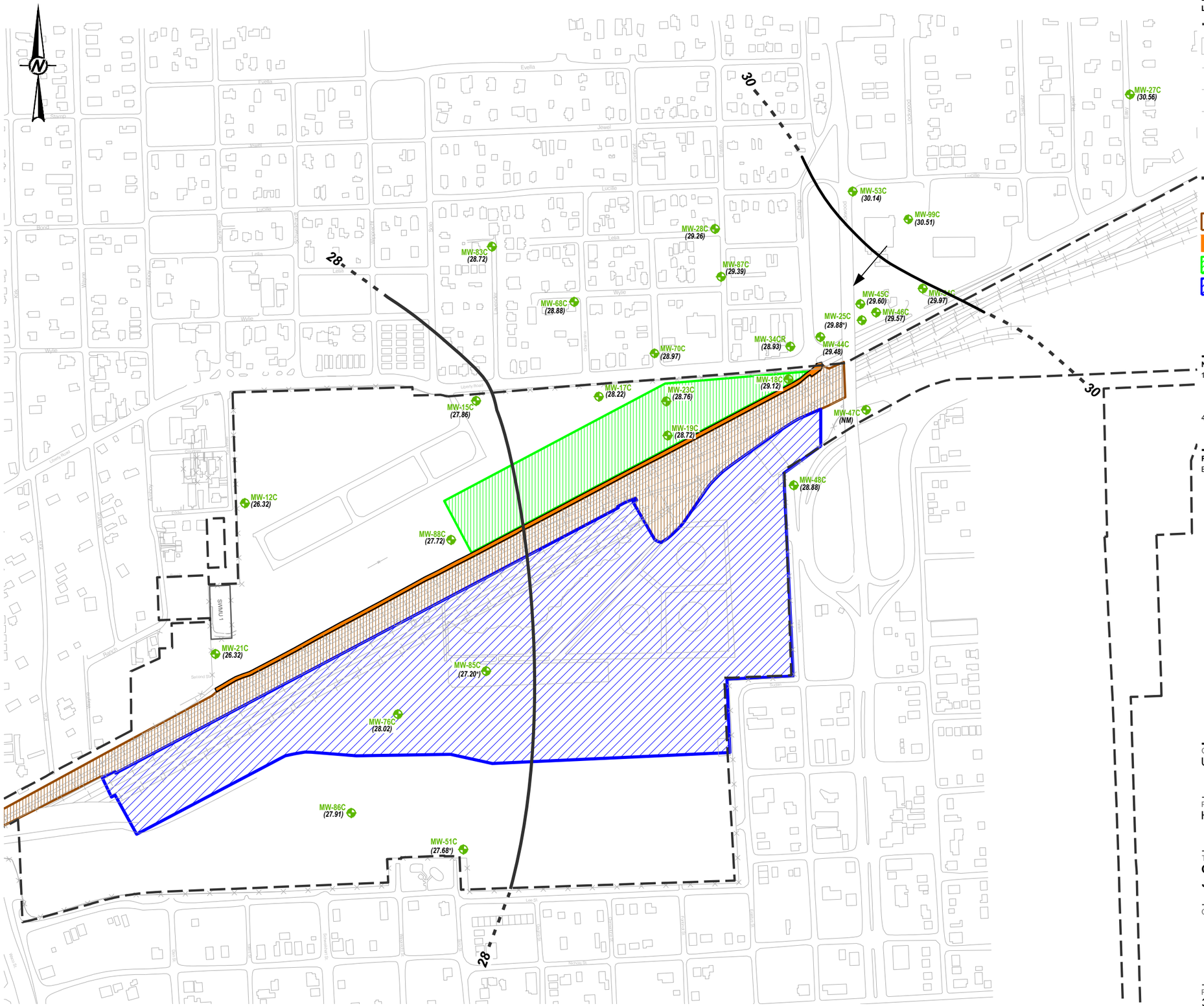
CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2024-08-29
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AKS
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

Path: \\corp.pbwan.net\US\Central\Data\USDAL-4\001\Texarkana\Projects - Round Rock_2019\19119232 - HWPW\0-Semi-Annual Monitoring Event\HWPW Figures\2024 - 2nd Semi Annual\ | File Name: 002 Groundwater Gradient Map B-TZ-B-CZ - July 2024.dwg | Last Edited By: usadt7013305 Date: 2024-08-29 Time:5:05:01 PM | Printed By: USADT013305 Date: 2024-08-29 Time:5:05:44 PM



LEGEND

- UPRR PROPERTY BOUNDARY
- HISTORIC STRUCTURE AND FEATURE
- ROAD, PARKING LOT, SIDEWALK
- FENCE
- RAILROAD
- C-TZ MONITORING WELL LOCATION
- (29.54) GROUNDWATER ELEVATION (FT, HVD)
- 36 GROUNDWATER ELEVATION CONTOUR (FT, HVD) C.I. = 2 FT
- INFERRED GROUNDWATER FLOW DIRECTION
- RAILROAD BALLAST CAP AREA
- ASPHALT CAP AREA
- SOIL CAP
- CONCRETE CAP AREA

NOTE(S)

1. VERTICAL DATUM BASED ON CITY OF HOUSTON VERTICAL DATUM (HVD).
   DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (DURING JULY 2024 SITE WIDE MONITORING EVENT).
   NM - NOT MEASURED
4. * - WELL OBSTRUCTED IN JULY 2024. SEPTEMBER 2024 WATER LEVELS USED TO DEVELOP POTENTIOMETRIC SURFACE.

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
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LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - C-TZ
JULY 2024

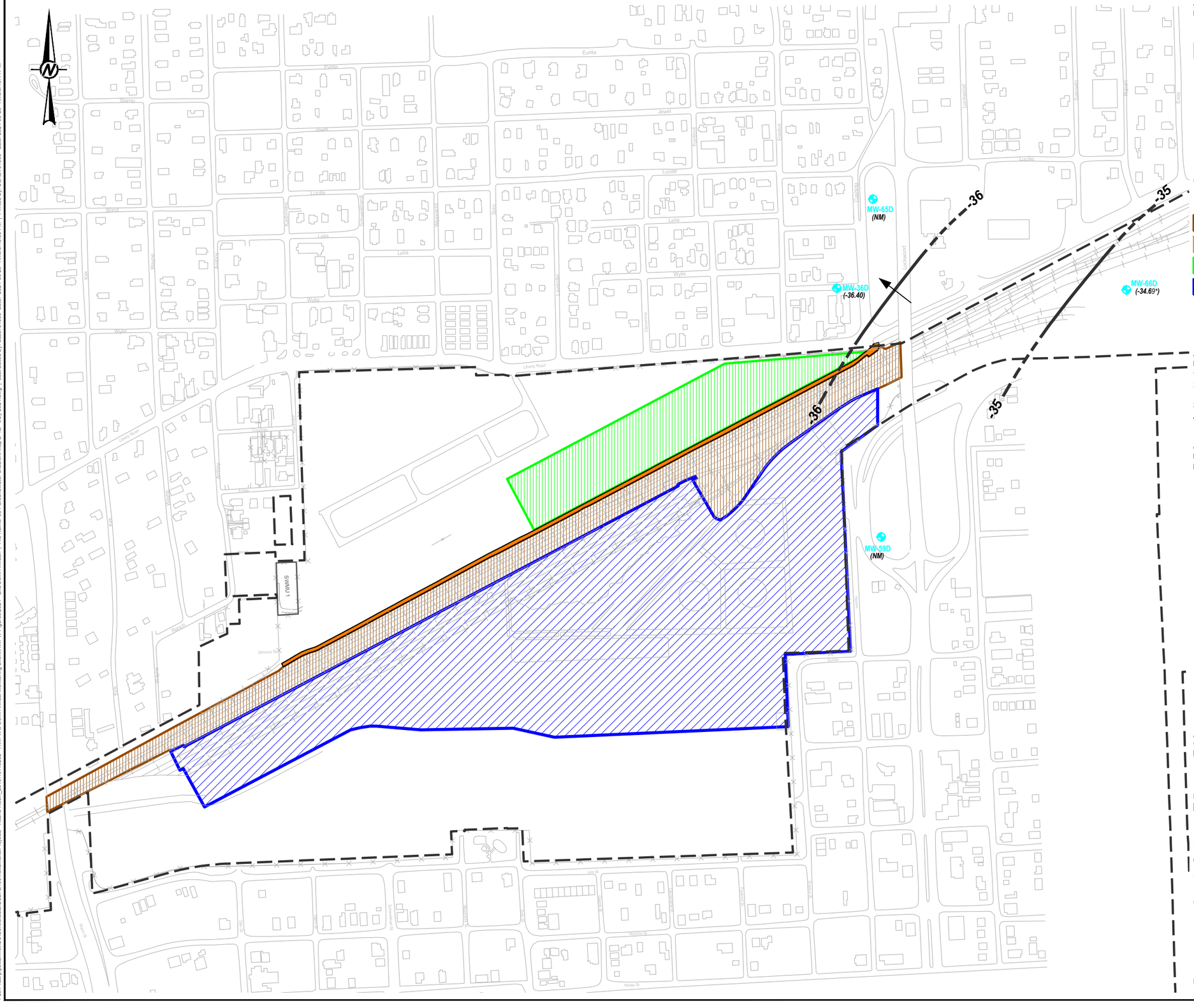
CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2024-08-29
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AKS
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

Path: \\corp.pbwan.net\US\Central\Data\USDAL400\Texarkana\Projects - Round Rock_2019\19119232 - HWPW\0-Semi-Annual Monitoring Event\HWPW Figures\2024 - 2nd Semi-Annual\ | File Name: 003 Groundwater Gradient Map C-TZ - July 2024.dwg | Last Edited By: usad701305 Date: 2024-08-29 Time:4:07:40 PM | Printed By: USAD701305 Date: 2024-08-29 Time:4:08:20 PM



LEGEND

- UPRR PROPERTY BOUNDARY
- HISTORIC STRUCTURE AND FEATURE
- ROAD, PARKING LOT, SIDEWALK
- FENCE
- RAILROAD
- D-TZ MONITORING WELL LOCATION
- (-35.11) GROUNDWATER ELEVATION (FT, HVD)
- -36 GROUNDWATER ELEVATION CONTOUR (FT, HVD) C.I. = 1 FT
- INFERRED GROUNDWATER FLOW DIRECTION
- RAILROAD BALLAST CAP AREA
- ASPHALT CAP AREA
- SOIL CAP
- CONCRETE CAP AREA

NOTE(S)

1. VERTICAL DATUM BASED ON CITY OF HOUSTON VERTICAL DATUM (HVD).
2. DNAPL = DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (DURING JULY 2024 SITE WIDE MONITORING EVENT).
3. NM - NOT MEASURED
4. * - WELL OBSTRUCTED IN JULY 2024. SEPTEMBER 2024 WATER LEVELS USED TO DEVELOP POTENTIOMETRIC SURFACE.

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
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LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - D-TZ
JULY 2024

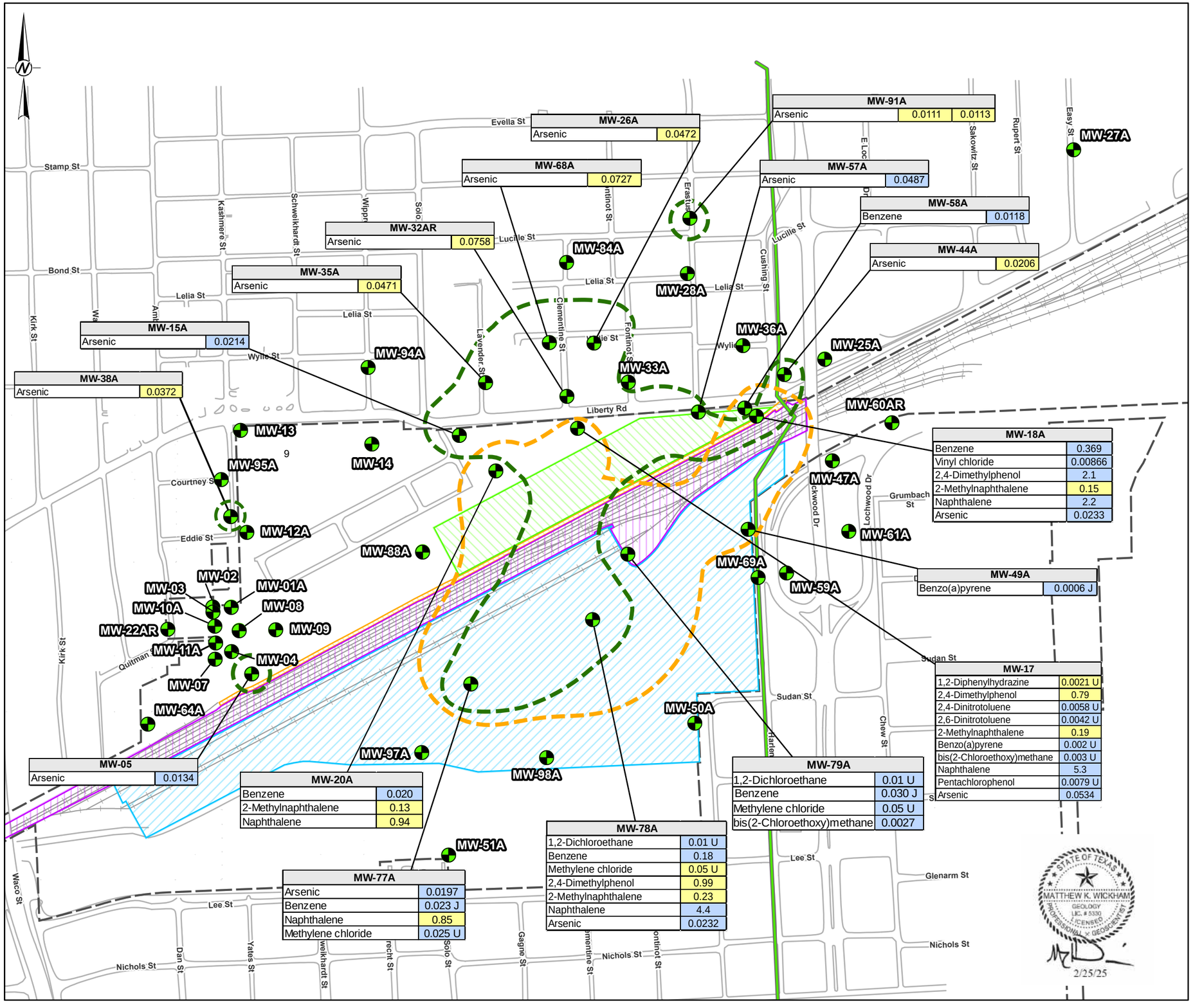
CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2024-08-29
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AKS
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

Path: \\corp.pbwan.net\US\Central\Data\USDAL400\Texarkana\Projects - Round Rock_2019\19119232 - HWPW\0-Semi-Annual Monitoring Event\HWPW Figures\2024 - 2nd Semi-Annual\ | File Name: 004 Groundwater Gradient Map D-TZ - July 2024.dwg | Last Edited By: usadl701305 Date: 2024-08-29 Time:3:48:05 PM | Printed By: USADL701305 Date: 2024-08-29 Time:3:49:14 PM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- A-TZ GW ARSENIC PCLE ZONE
- A-TZ GW PCLE ZONE
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- A-TZ MONITORING WELL LOCATION

Parameter	RAL (mg/L)	C/I PCL (mg/L)
1,2-Dichloroethane	0.005	0.005
Benzene	0.005	0.005
Chlorobenzene	0.1	0.1
Ethylbenzene	0.7	0.7
Methylene chloride	0.005	0.005
Toluene	1	1
Vinyl chloride	0.002	0.002
Xylenes (total)	10	10
1,2-Diphenylhydrazine	0.0011	0.0026
2,4-Dimethylphenol	0.49	1.5
2,6-Dinitrotoluene	0.0013	0.003
2-Chloronaphthalene	2	5.8
2-Methylnaphthalene	0.098	0.29
4,6-Dinitro-2-methylphenol	0.0024	0.0073
4-Nitrophenol	0.049	0.15
Acenaphthene	1.5	4.4
Acenaphthylene	1.5	4.4
Anthracene	7.3	22
Benzo(a)anthracene	0.0091	0.02
Benzo(a)pyrene	0.0002	0.0002
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.006
Chrysene	0.91	2
Dibenzofuran	0.098	0.29
Di-n-butylphthalate (DBP)	2.4	7.3
Fluoranthene	0.98	2.9
Fluorene	0.98	2.9
Naphthalene	0.49	1.5
Nitrobenzene	0.049	0.15
Pentachlorophenol	0.001	0.001
Phenanthrene	0.73	2.2
Phenol	7.3	22
Pyrene	0.73	2.2
Arsenic	0.01	0.01

0 212.5 425 850 Feet

NOTE(S)

1. ALL CONCENTRATIONS ARE IN MG/L.
2. J - ESTIMATED VALUE BETWEEN SQL AND MDL.
3. U - NOT DETECTED (RL/SQL) REPORTED).
4. NA - NOT ANALYZED.
5. NS - NOT SAMPLED.
6. BLUE HIGHLIGHTED CONCENTRATIONS EXCEED COMMERCIAL INDUSTRIAL PCLS (FOR ON-SITE WELLS ONLY).
7. YELLOW HIGHLIGHTED CONCENTRATIONS EXCEED RESIDENTIAL ASSESSMENT LEVEL (RALS).
8. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (JULY 2022).

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION ZONE A-TZ - JULY 2024

CONSULTANT
wsp

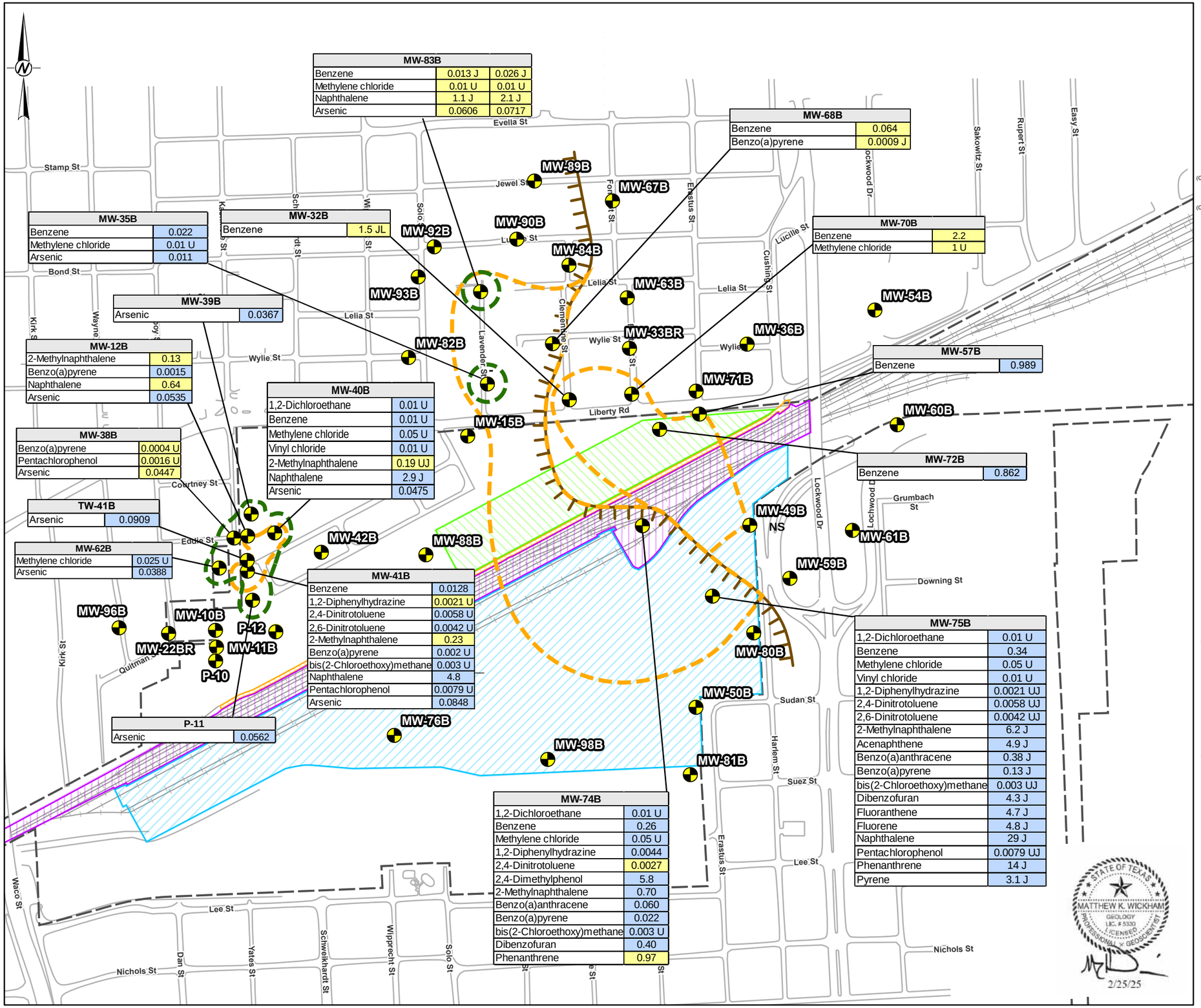
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
6

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-TZ / B-CZ GW ARSENIC PCLE ZONE
- B-TZ / B-CZ GW PCLE ZONE
- B-TZ / B-CZ BOUNDARY (B-CZ (CLASS 3 GW); B-TZ (CLASS 2 GW))
- B-TZ AND B-CZ MONITORING WELL LOCATION

Parameter	RAL (mg/L)	C/I PCL (mg/L)	$GW_{Class\ 3}$ (mg/L)
1,2-Dichloroethane	0.005	0.005	0.5
Benzene	0.005	0.005	0.5
Chlorobenzene	0.1	0.1	10
Ethylbenzene	0.7	0.7	70
Methylene chloride	0.005	0.005	0.5
Toluene	1	1	100
Vinyl chloride	0.002	0.002	0.2
Xylenes (total)	10	10	1000
1,2-Diphenylhydrazine	0.0011	0.0026	0.11
2,4-Dimethylphenol	0.49	1.5	49
2,6-Dinitrotoluene	0.0013	0.003	0.13
2-Chloronaphthalene	2	5.8	200
2-Methylnaphthalene	0.098	0.29	9.8
4,6-Dinitro-2-methylphenol	0.0024	0.0073	0.24
4-Nitrophenol	0.049	0.15	4.9
Acenaphthene	1.5	4.4	150
Acenaphthylene	1.5	4.4	150
Anthracene	7.3	22	730
Benzo(a)anthracene	0.0091	0.02	0.91
Benzo(a)pyrene	0.0002	0.0002	0.02
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.006	0.6
Chrysene	0.91	2	91
Dibenzofuran	0.098	0.29	9.8
Di-n-butylphthalate (DBP)	2.4	7.3	240
Fluoranthene	0.98	2.9	98
Fluorene	0.98	2.9	98
Naphthalene	0.49	1.5	49
Nitrobenzene	0.049	0.15	4.9
Pentachlorophenol	0.001	0.001	0.1
Phenanthrene	0.73	2.2	73
Phenol	7.3	22	730
Pyrene	0.73	2.2	73

0 212.5 425 850 Feet

NOTE(S)
1. ALL CONCENTRATIONS ARE IN MG/L.
2. J - ESTIMATED VALUE BETWEEN SQL AND MDL.
3. U - NOT DETECTED (RL/SQL) REPORTED).
5. UJ - NOT DETECTED, ESTMATED VALUE BETWEEN SQL AND MDL, RL/SQL REPORTED.
4. NA - NOT ANALYZED.
5. NS - NOT SAMPLED.
6. BLUE HIGHLIGHTED CONCENTRATIONS EXCEED COMMERCIAL INDUSTRIAL PCLS (FOR ON-SITE WELLS ONLY).
7. YELLOW HIGHLIGHTED CONCENTRATIONS EXCEED RESIDENTIAL ASSESSMENT LEVEL (RALS).
8. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (JULY 2022).

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION ZONE B-TZ / B-CZ - JULY 2024

CONSULTANT
wsp

YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
7

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC Figures_2024\12\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:51:14 AM

MW-45C	
1,2-Diphenylhydrazine	0.0021 U
2,4-Dinitrotoluene	0.0058 U
2,6-Dinitrotoluene	0.0042 U
Benzo(a)pyrene	0.002 U
bis(2-Chloroethoxy)methane	0.003 U
Pentachlorophenol	0.0079 U
Arsenic	0.0507

MW-23C	
Benzene	0.0106
2-Methylnaphthalene	0.15
Naphthalene	2.1

MW-17C	
1,2-Diphenylhydrazine	0.01 U
2,4-Dinitrotoluene	0.029 U
2,6-Dinitrotoluene	0.021 U
4,6-Dinitro-2-methylphenol	0.01 U
Benzo(a)anthracene	0.025 U
Benzo(a)pyrene	0.01 U
bis(2-Chloroethoxy)methane	0.015 U
bis(2-Ethylhexyl)phthalate (DEHP)	0.018 U
Naphthalene	3.7
Pentachlorophenol	0.04 U

MW-46C	
Benzo(a)pyrene	0.0010

MW-25C	
Methylene chloride	0.025 U

MW-18C	
Benzene	0.857
2-Methylnaphthalene	1.6
Benzo(a)pyrene	0.00021 J
Naphthalene	48
Pentachlorophenol	0.0046

MW-27C, MW-53C, MW-99C, MW-54C, MW-83C, MW-28C, MW-87C, MW-68C, MW-44C, MW-34CR, MW-70C, MW-15C, MW-19C, MW-47C, MW-48C, MW-12C, MW-88C, MW-21C, MW-85C, MW-76C, MW-86C, MW-51C

Evella St, Jewel St, Lucille St, Bond St, Lelia St, Wylie St, Liberty Rd, Courtney St, Eddie St, Quitman St, Grumbach St, Sudan St, Suez St, Lee St, Glenarm St, Nichols St, Stamp St, Kirk St, Wayne St, Amboy St, Kashmere St, Schwei, Wipprecht St, Solo St, Lavender St, Clementine St, Fontinot St, Cushing St, E Lockwood Dr, Sakowitz St, Rupert St, Easy St, Harlem St, Chew St, Sam Wilson St, Erastus St, Waco St, Dan St, Yates St, Schwekhardt St, Gagne St

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- C-TZ GW ARSENIC PCLE ZONE
- C-TZ GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

Parameter	(mg/L)	(mg/L)
1,2-Dichloroethane	0.005	0.005
Benzene	0.005	0.005
Chlorobenzene	0.1	0.1
Ethylbenzene	0.7	0.7
Methylene chloride	0.005	0.005
Toluene	1	1
Vinyl chloride	0.002	0.002
Xylenes (total)	10	10
1,2-Diphenylhydrazine	0.0011	0.0026
2,4-Dimethylphenol	0.49	1.5
2,6-Dinitrotoluene	0.0013	0.003
2-Chloronaphthalene	2	5.8
2-Methylnaphthalene	0.098	0.29
4,6-Dinitro-2-methylphenol	0.0024	0.0073
4-Nitrophenol	0.049	0.15
Acenaphthene	1.5	4.4
Acenaphthylene	1.5	4.4
Anthracene	7.3	22
Benzo(a)anthracene	0.0091	0.02
Benzo(a)pyrene	0.0002	0.0002
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.006
Chrysene	0.91	2
Dibenzofuran	0.098	0.29
Di-n-butylphthalate (DBP)	2.4	7.3
Fluoranthene	0.98	2.9
Fluorene	0.98	2.9
Naphthalene	0.49	1.5
Nitrobenzene	0.049	0.15
Pentachlorophenol	0.001	0.001
Phenanthrene	0.73	2.2
Phenol	7.3	22
Pyrene	0.73	2.2
Arsenic	0.01	0.01

0 212.5 425 850 Feet

NOTE(S)
1. ALL CONCENTRATIONS ARE IN MG/L.
2. J - ESTIMATED VALUE BETWEEN SQL AND MDL.
3. < - NOT DETECTED (RL/SQL) REPORTED).
4. NA - NOT ANALYZED.
5. NS - NOT SAMPLED.
6. BLUE HIGHLIGHTED CONCENTRATIONS EXCEED COMMERCIAL INDUSTRIAL PCLS (FOR ON-SITE WELLS ONLY).
7. YELLOW HIGHLIGHTED CONCENTRATIONS EXCEED RESIDENTIAL ASSESSMENT LEVEL (RALS).
8. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (JULY 2022).

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION ZONE
C-TZ - JULY 2024

CONSULTANT
wsp

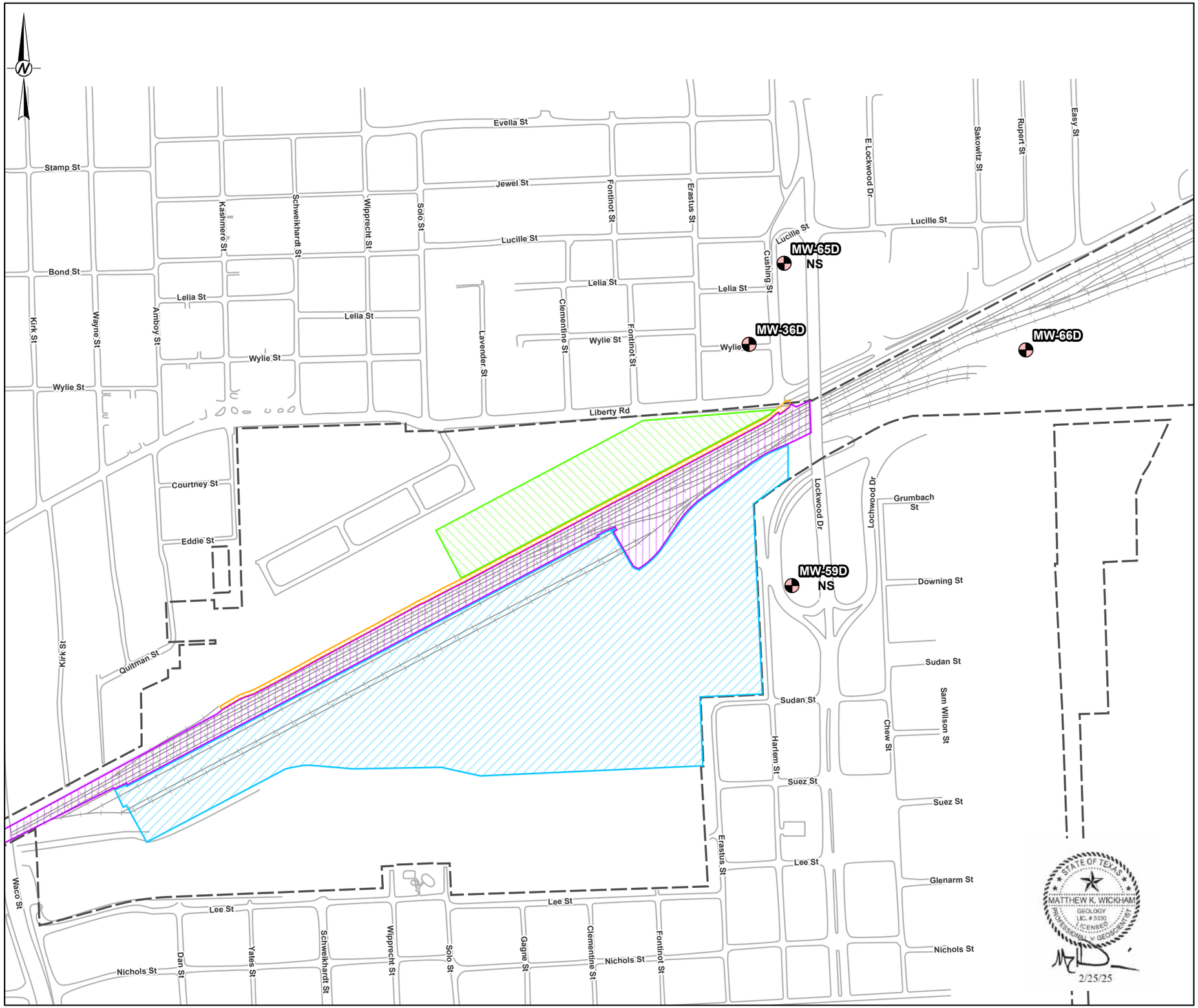
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
8

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:34:45 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- D-TZ MONITORING WELL LOCATION

Parameter	RAL (mg/L)	C/I PCL (mg/L)
1,2-Dichloroethane	0.005	0.005
Benzene	0.005	0.005
Chlorobenzene	0.1	0.1
Ethylbenzene	0.7	0.7
Methylene chloride	0.005	0.005
Toluene	1	1
Vinyl chloride	0.002	0.002
Xylenes (total)	10	10
1,2-Diphenylhydrazine	0.0011	0.0026
2,4-Dimethylphenol	0.49	1.5
2,6-Dinitrotoluene	0.0013	0.003
2-Chloronaphthalene	2	5.8
2-Methylnaphthalene	0.098	0.29
4,6-Dinitro-2-methylphenol	0.0024	0.0073
4-Nitrophenol	0.049	0.15
Acenaphthene	1.5	4.4
Acenaphthylene	1.5	4.4
Anthracene	7.3	22
Benzo(a)anthracene	0.0091	0.02
Benzo(a)pyrene	0.0002	0.0002
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.006
Chrysene	0.91	2
Dibenzofuran	0.098	0.29
Di-n-butylphthalate (DBP)	2.4	7.3
Fluoranthene	0.98	2.9
Fluorene	0.98	2.9
Naphthalene	0.49	1.5
Nitrobenzene	0.049	0.15
Pentachlorophenol	0.001	0.001
Phenanthrene	0.73	2.2
Phenol	7.3	22
Pyrene	0.73	2.2
Arsenic	0.01	0.01

0 212.5 425 850 Feet

NOTE(S)

1. ALL CONCENTRATIONS ARE IN MG/L.
2. J - ESTIMATED VALUE BETWEEN SQL AND MDL.
3. < - NOT DETECTED (RL/SQL) REPORTED).
4. NA - NOT ANALYZED.
5. NS - NOT SAMPLED.
6. BLUE HIGHLIGHTED CONCENTRATIONS EXCEED COMMERCIAL INDUSTRIAL PCLS (FOR ON-SITE WELLS ONLY).
7. YELLOW HIGHLIGHTED CONCENTRATIONS EXCEED RESIDENTIAL ASSESSMENT LEVEL (RALS).
8. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (JULY 2022).

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION ZONE D-TZ - JULY 2024

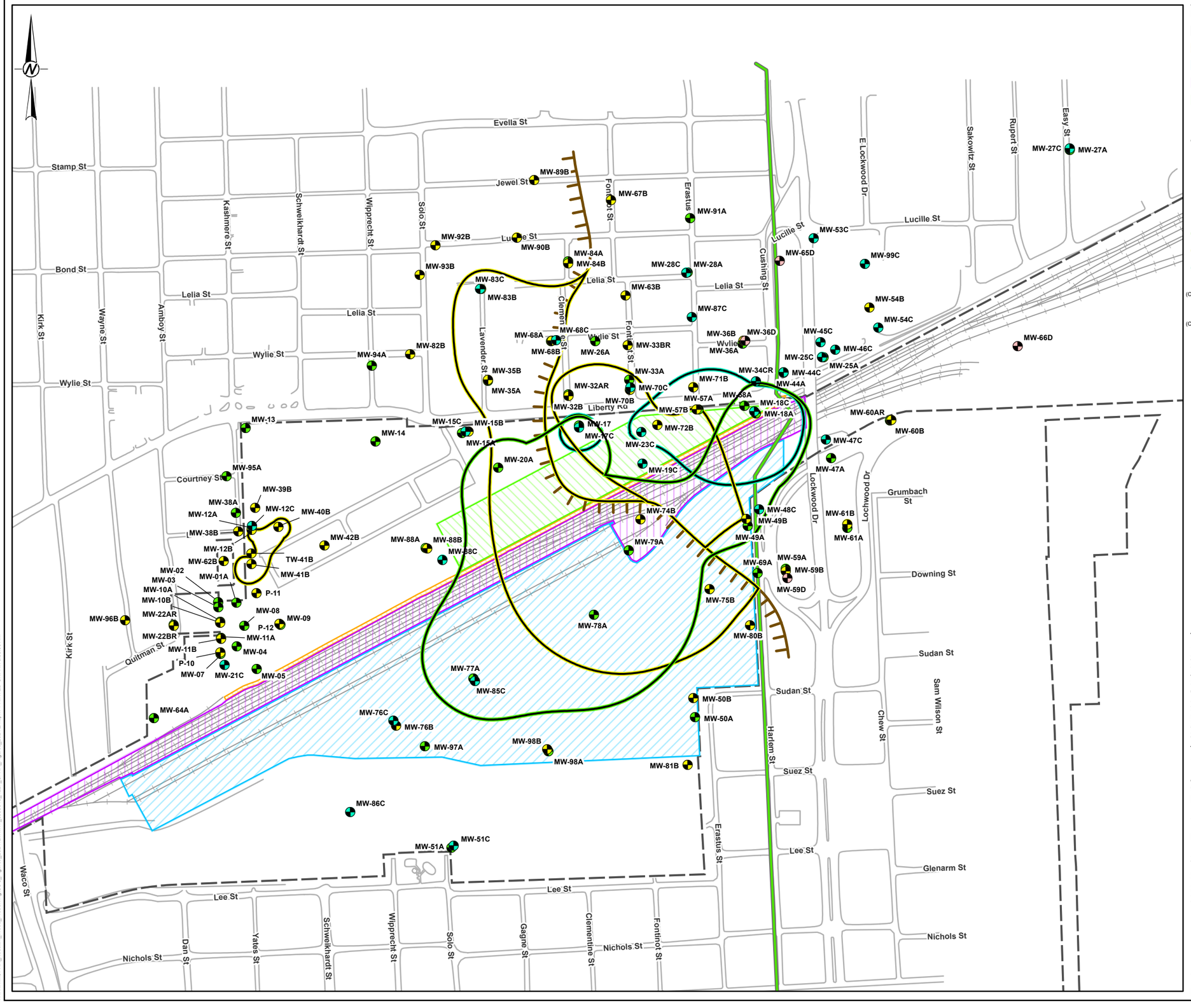
CONSULTANT

YYYY-MM-DD	2024-12-17
DESIGNED	AR
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REVIEWED	AKS
APPROVED	ECM

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US0039040.4227

FIGURE
9

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- A-TZ MONITORING WELL LOCATION
- B-TZ AND B-CZ MONITORING WELL LOCATION
- C-TZ MONITORING WELL LOCATION
- D-TZ MONITORING WELL LOCATION
- A ZONE CUMULATIVE GW PCLE ZONE
- B ZONE CUMULATIVE GW PCLE ZONE
- C ZONE CUMULATIVE GW PCLE ZONE
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) B-TZ / B-CZ BOUNDARY

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)
1. ALL CONCENTRATIONS ARE IN MG/L.
2. J - ESTIMATED VALUE BETWEEN SQL AND MDL.
3. < - NOT DETECTED (RL/SQL) REPORTED).
4. NA - NOT ANALYZED.
5. NS - NOT SAMPLED.
6. BLUE HIGHLIGHTED CONCENTRATIONS EXCEED COMMERCIAL INDUSTRIAL PCLS (FOR ON-SITE WELLS ONLY).
7. YELLOW HIGHLIGHTED CONCENTRATIONS EXCEED RESIDENTIAL ASSESSMENT LEVEL (RALS).
8. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (JULY 2022).

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
CUMULATIVE GROUNDWATER PCLE ZONES - JULY 2024

CONSULTANT

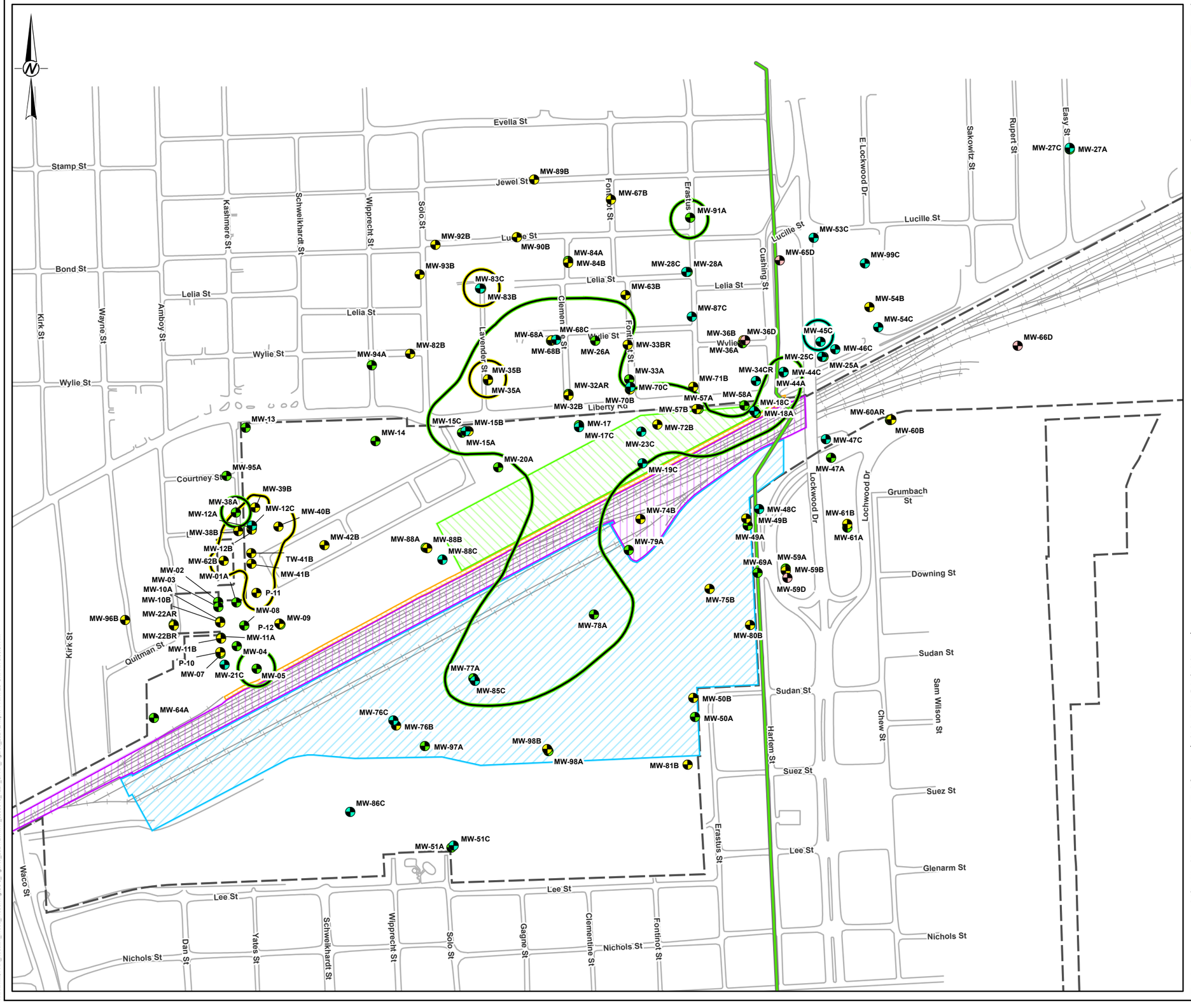
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PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO. US0039040.4227

FIGURE 10

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- A-TZ MONITORING WELL LOCATION
- B-TZ AND B-CZ MONITORING WELL LOCATION
- C-TZ MONITORING WELL LOCATION
- D-TZ MONITORING WELL LOCATION
- A ZONE ARSENIC PCLE ZONE
- B ZONE ARSENIC PCLE ZONE
- C ZONE ARSENIC PCLE ZONE

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)
1. ALL CONCENTRATIONS ARE IN MG/L.
2. J - ESTIMATED VALUE BETWEEN SQL AND MDL.
3. < - NOT DETECTED (RL/SQL) REPORTED).
4. NA - NOT ANALYZED.
5. NS - NOT SAMPLED.
6. BLUE HIGHLIGHTED CONCENTRATIONS EXCEED COMMERCIAL INDUSTRIAL PCLS (FOR ON-SITE WELLS ONLY).
7. YELLOW HIGHLIGHTED CONCENTRATIONS EXCEED RESIDENTIAL ASSESSMENT LEVEL (RALS).
8. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (JULY 2022).

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP ARSENIC PCLE ZONES - JULY 2024

CONSULTANT

wsp

YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

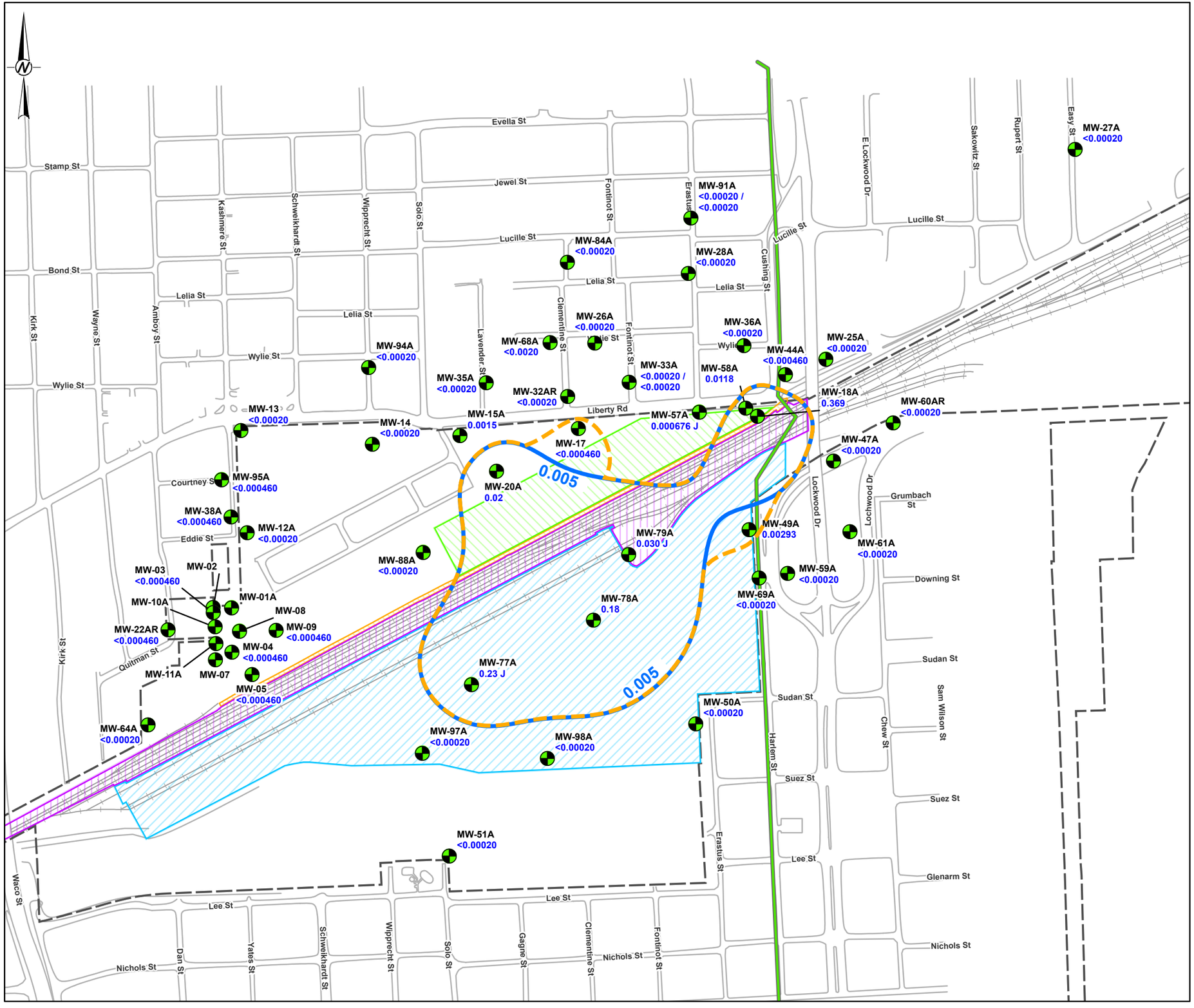
PROJECT NO.
US0039040.4227

FIGURE
11

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- BENZENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.005 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - BENZENE - JULY 2024

CONSULTANT

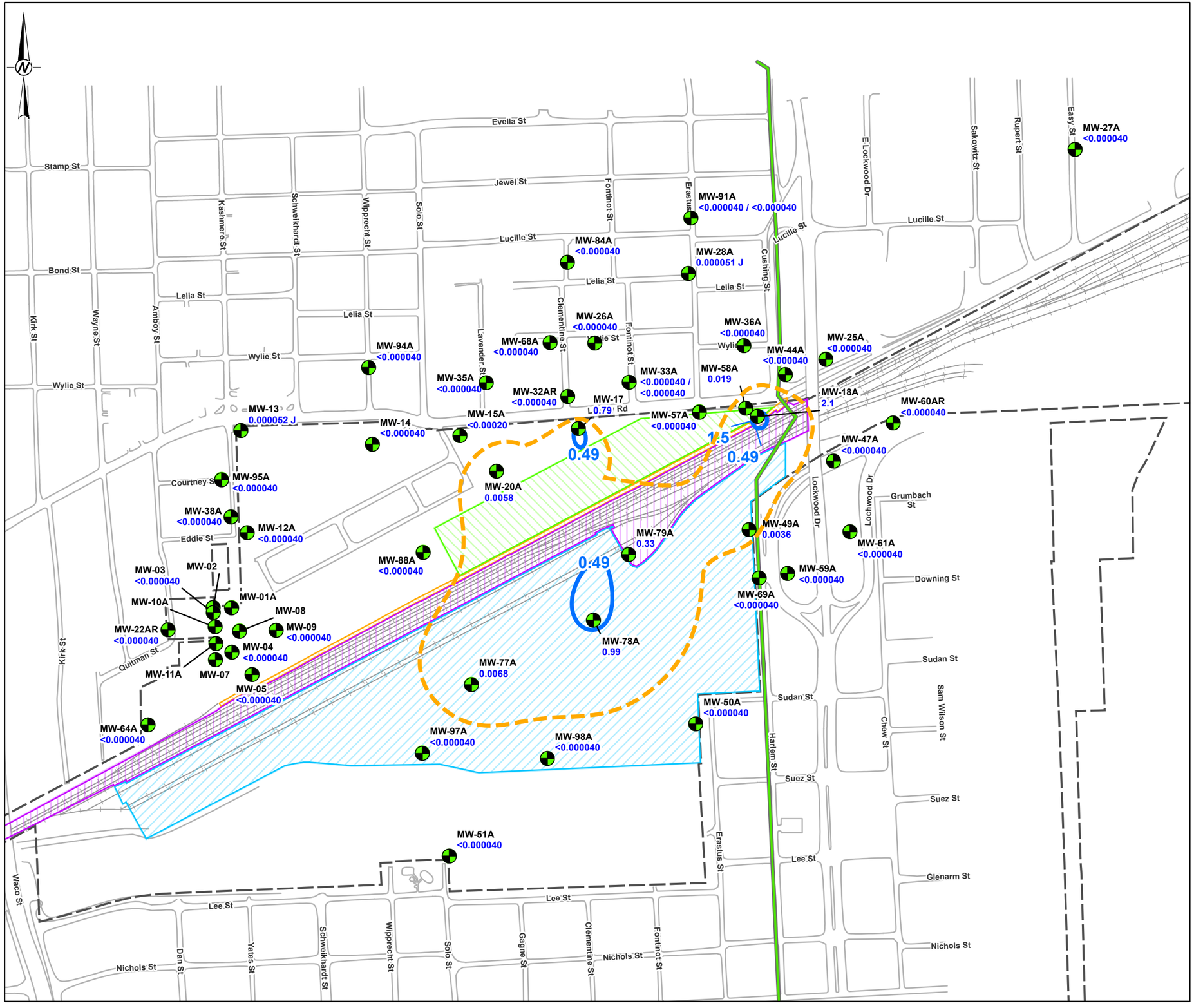
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DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

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US0039040.4227

FIGURE
12

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- 2,4 - DIMETHYLPHENOL CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.49 MG/L AND 1.5 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - 2,4-DIMETHYLPHENOL - JULY 2024

CONSULTANT

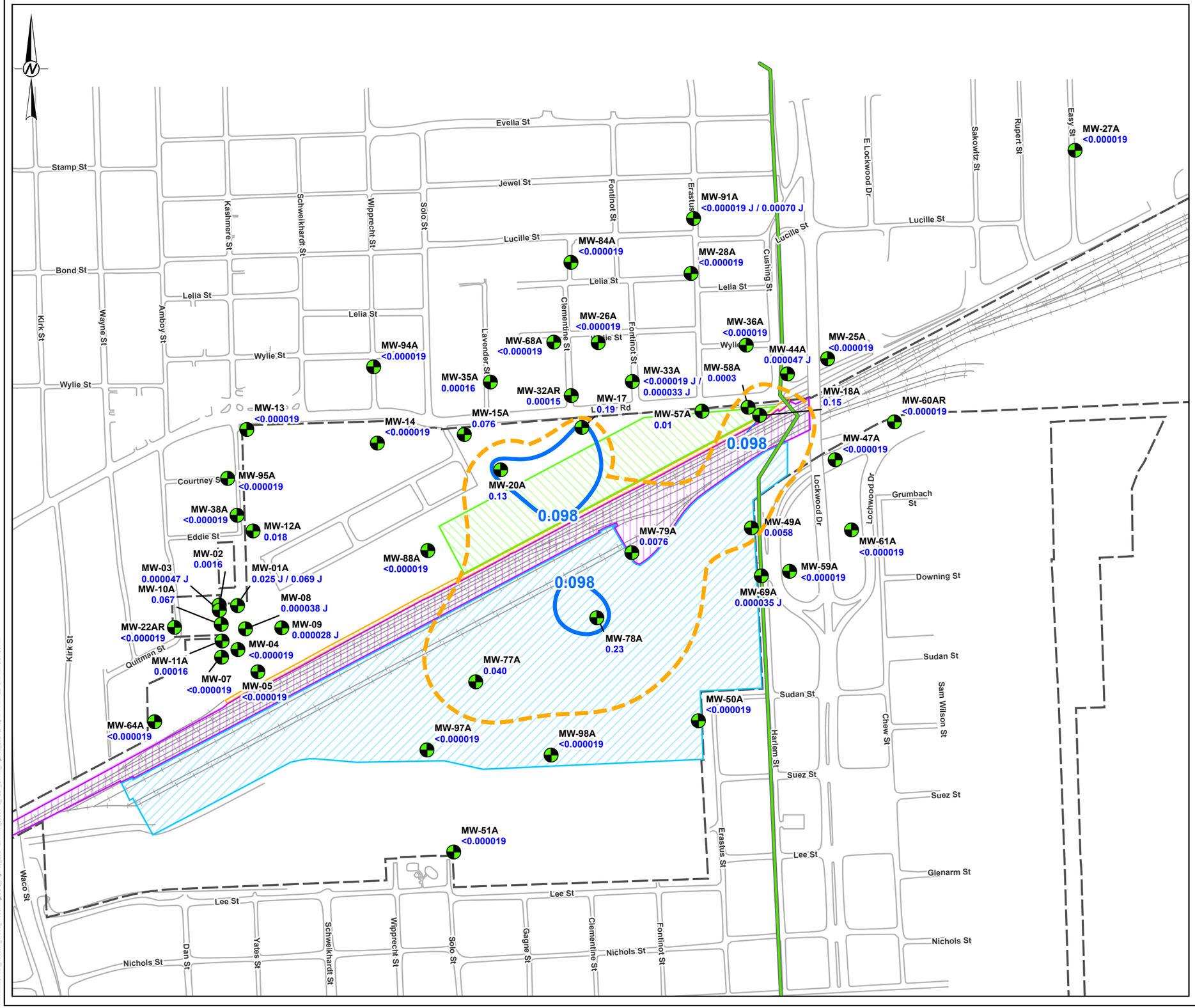
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
13

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211x17_0039040_4227_UPRR_Figures_2024Q4.aprx, PRINTED ON: AT 8:37:30 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- 2 - METHYLNAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

2/25/25

0 212.5 425 850 Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.098 MG/L AND 0.29 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - 2-METHYLNAPHTHALENE - JULY 2024

CONSULTANT

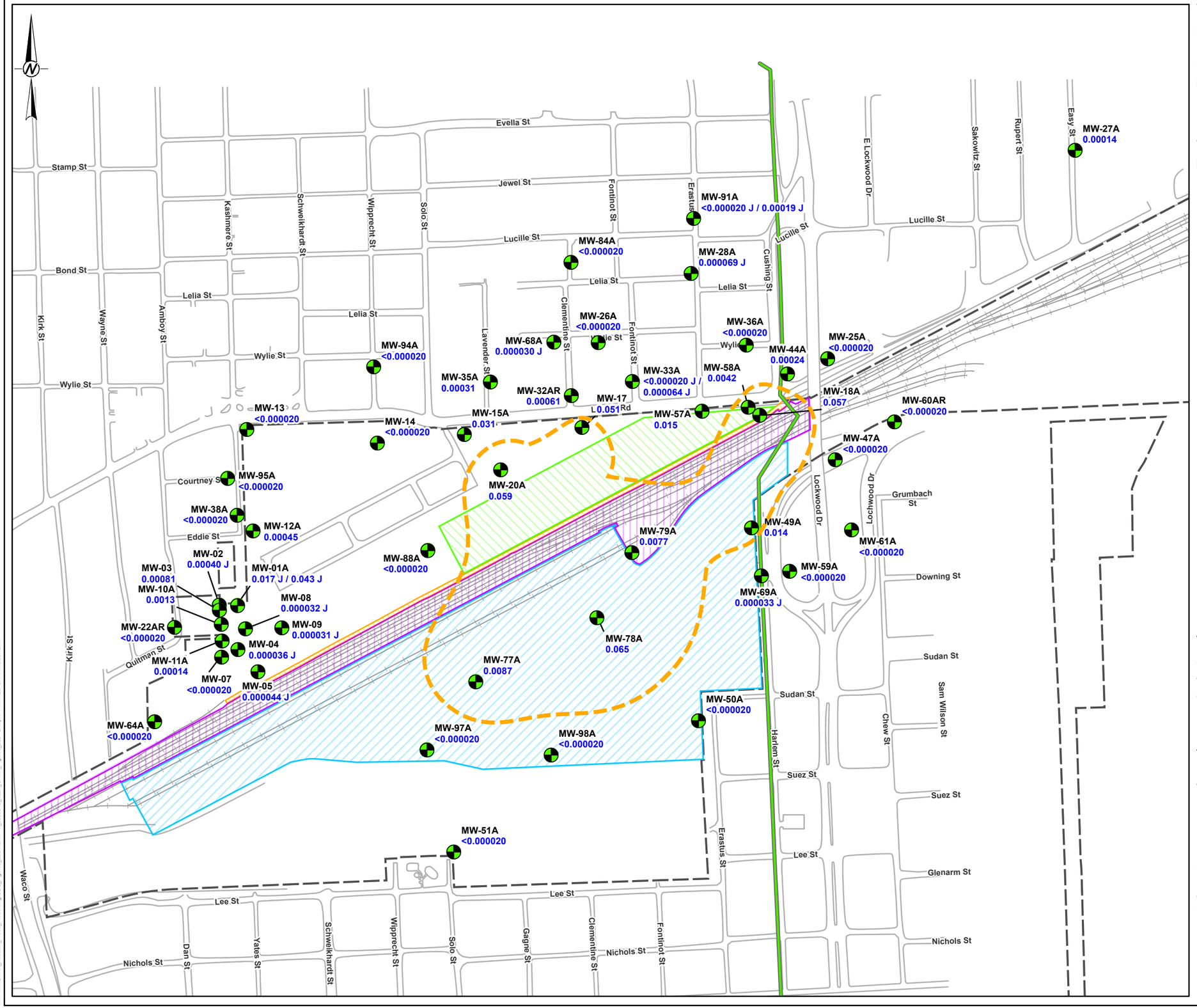
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO. US0039040.4227

FIGURE 14

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.098 MG/L AND 0.29 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - DIBENZOFURAN - JULY 2024

CONSULTANT

YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

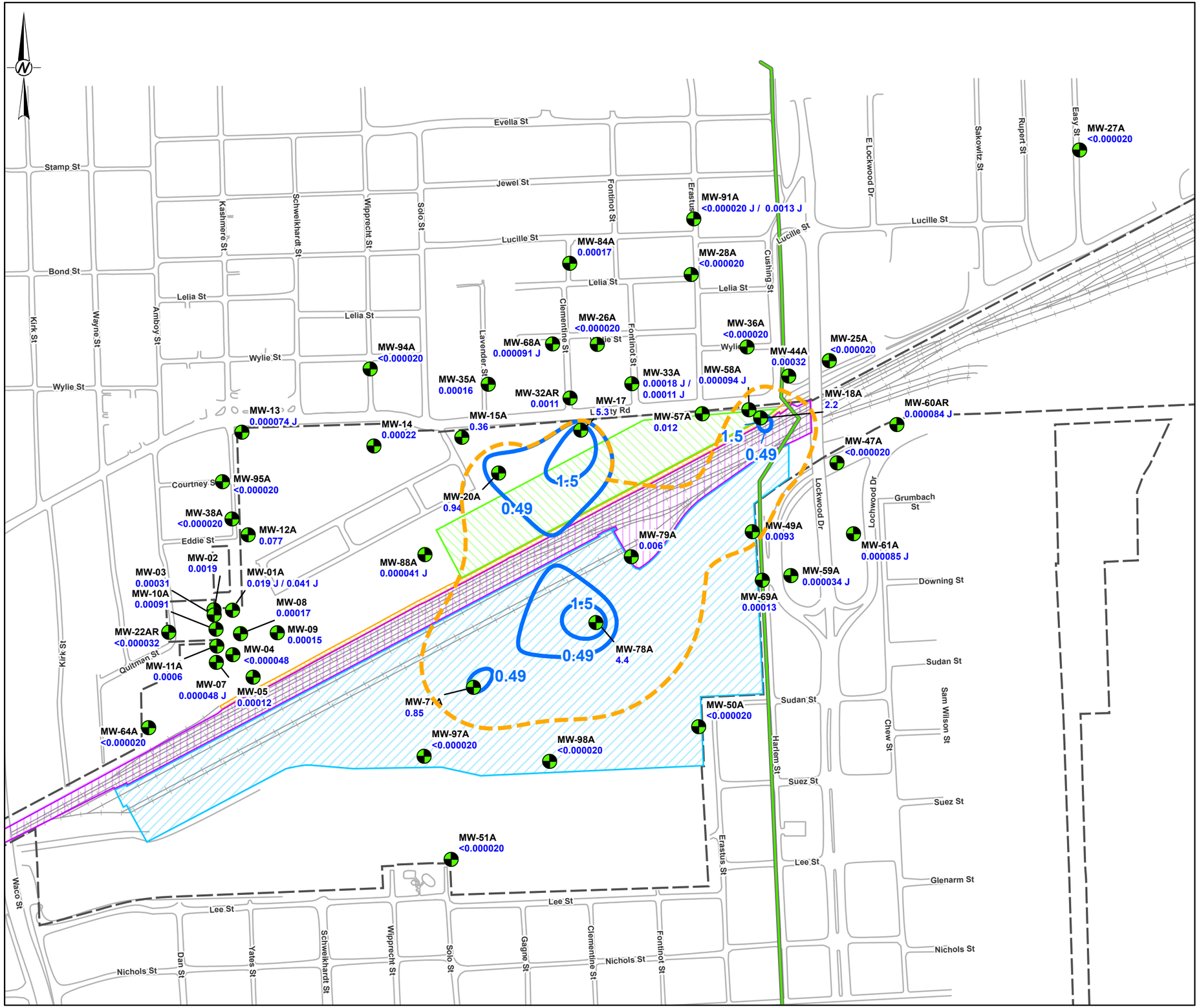
PROJECT NO.
US0039040.4227

FIGURE
15

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211x17_0039040_4227_UPRR_Figures_2024Q4.aprx, PRINTED ON: AT 8:38:12 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- NAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.49 MG/L AND 1.5 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - NAPHTHALENE - JULY 2024

CONSULTANT

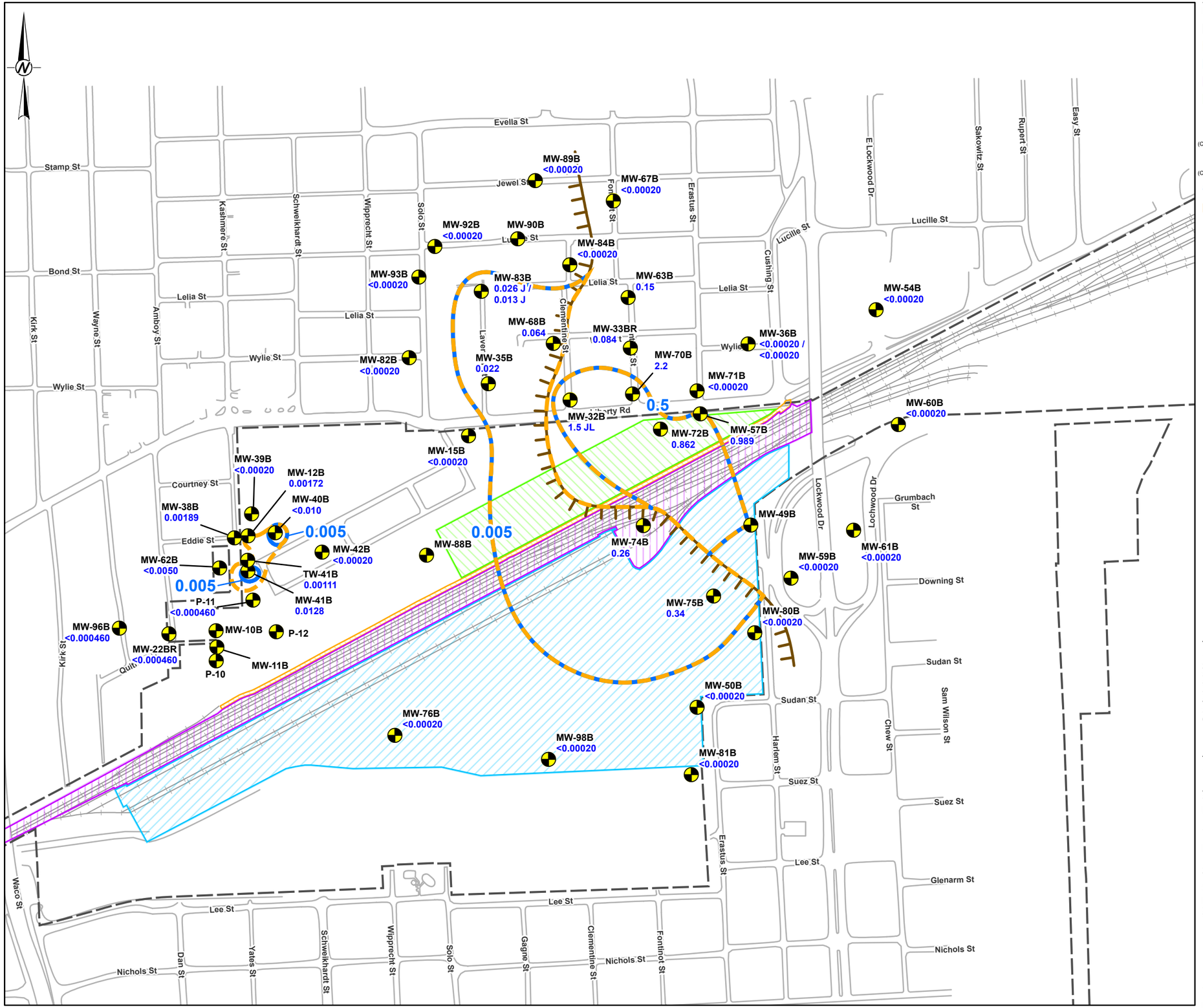
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DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
16

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) — B-TZ / B-CZ BOUNDARY
- BENZENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL:
   CLASS 2 GW PCL: 0.005 MG/L
   CLASS 3 GW PCL: 0.5 MG/L
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - BENZENE - JULY 2024

CONSULTANT

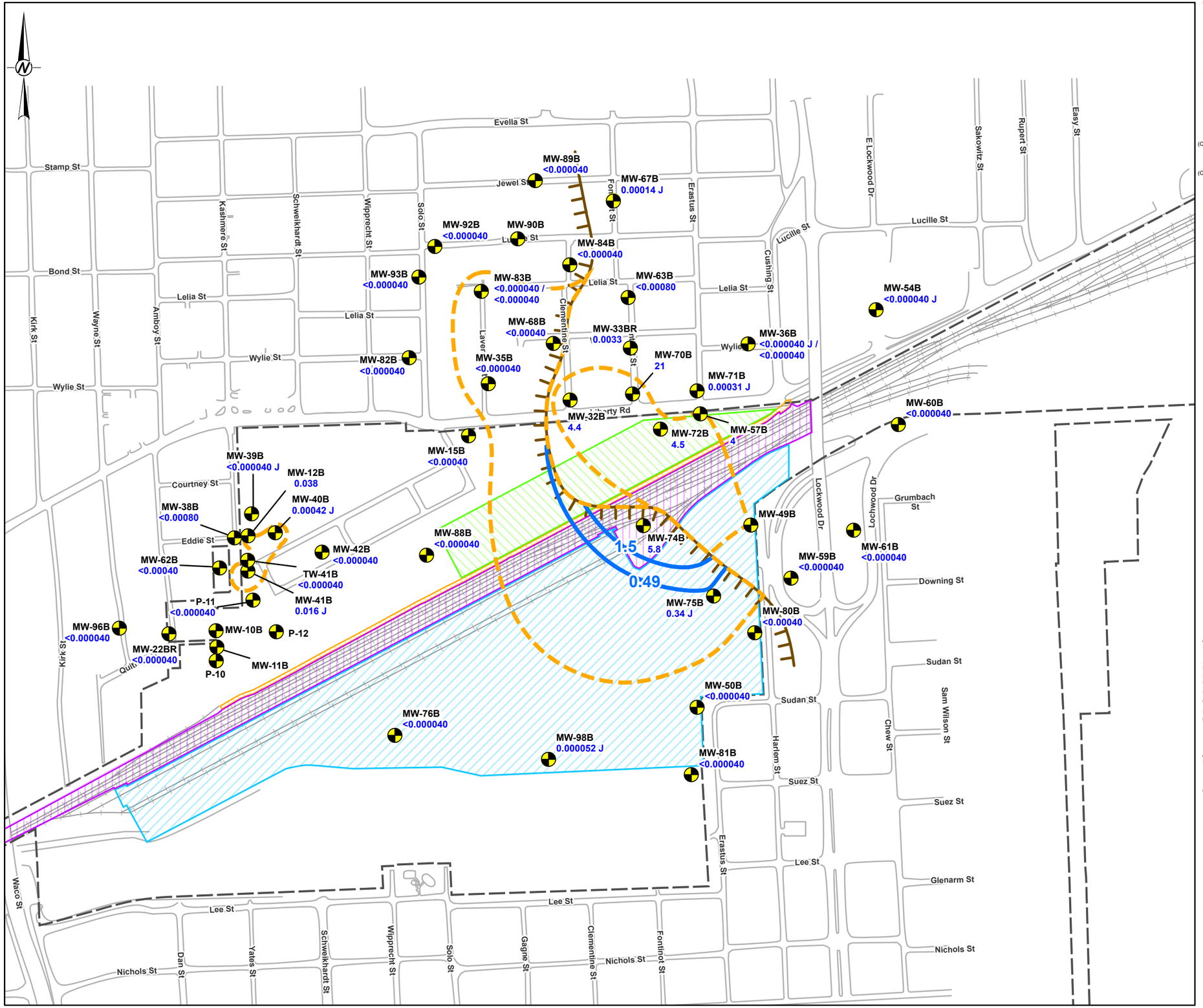
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
17

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:38:51 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) — B-TZ / B-CZ BOUNDARY
- 2,4-DIMETHYLPHENOL CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)
1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL:
CLASS 2 GW PCL: 0.49 MG/L (RES.) & 1.5 MG/L (C/I)
CLASS 3 GW PCL: 49 MG/L (RES.) & 150 MG/L (C/I)
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - 2,4-DIMETHYLPHENOL - JULY 2024

CONSULTANT
wsp

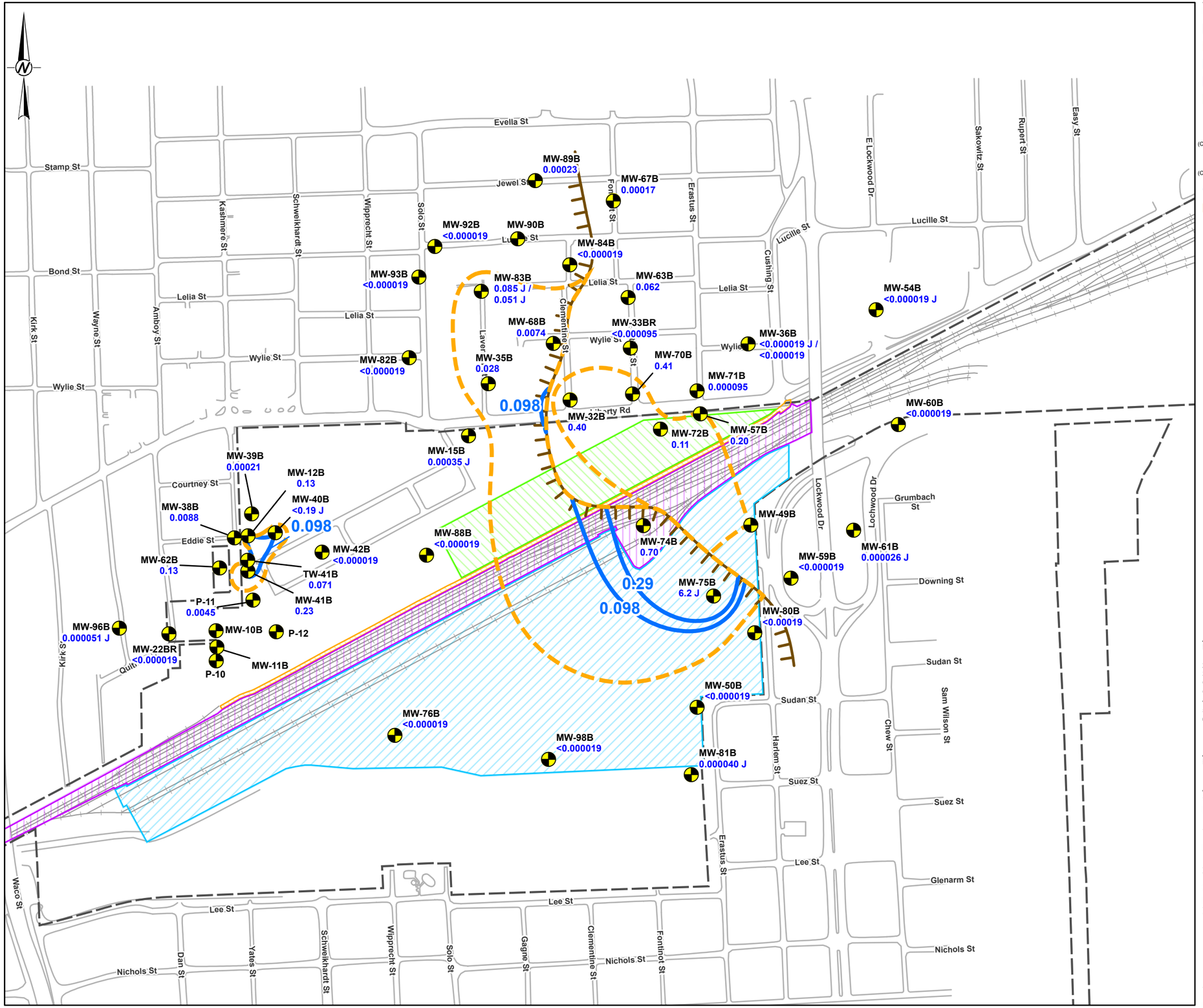
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
18

PATH: M:\UPRR_Houston_Wood_Preserving\GOC Figures_2024\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:39:10 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) — B-TZ / B-CZ BOUNDARY
- 2-METHYLNAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL:
   CLASS 2 GW PCL: 0.098 MG/L (RES.) & 0.29 MG/L (C/I)
   CLASS 3 GW PCL: 9.8 MG/L (RES.) & 29 MG/L (C/I)
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - 2-METHYLNAPHTHALENE - JULY 2024

CONSULTANT
wsp

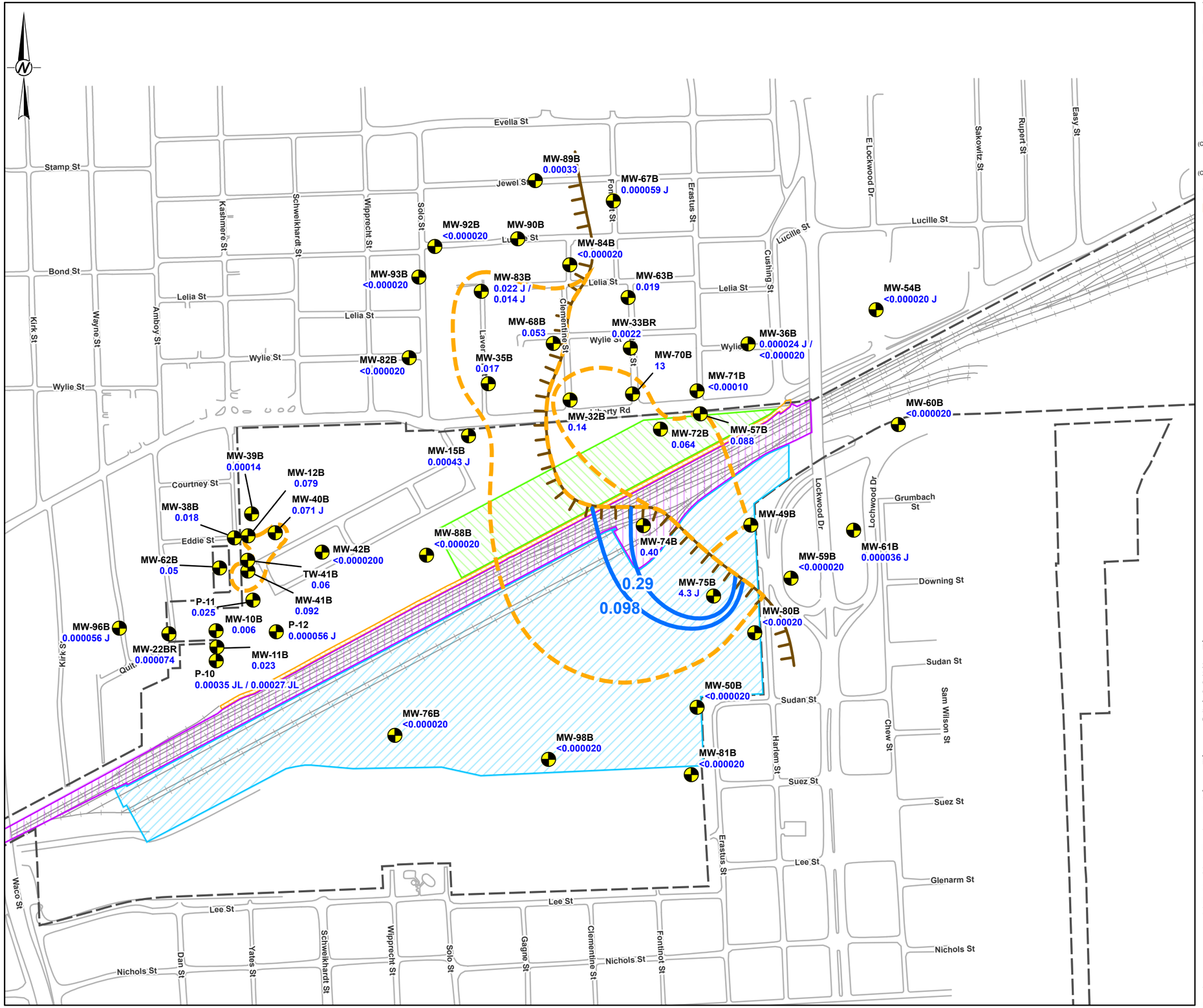
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
19

PATH: M:\UPRR_Houston_Wood_Preserving\COC Figures_2024\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:39:29 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) — B-TZ / B-CZ BOUNDARY
- DIBENZOFURAN CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)
1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL:
CLASS 2 GW PCL: 0.098 MG/L (RES.) & 0.29 MG/L (C/I)
CLASS 3 GW PCL: 9.8 MG/L (RES.) & 29 MG/L (C/I)
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - DIBENZOFURAN - JULY 2024

CONSULTANT

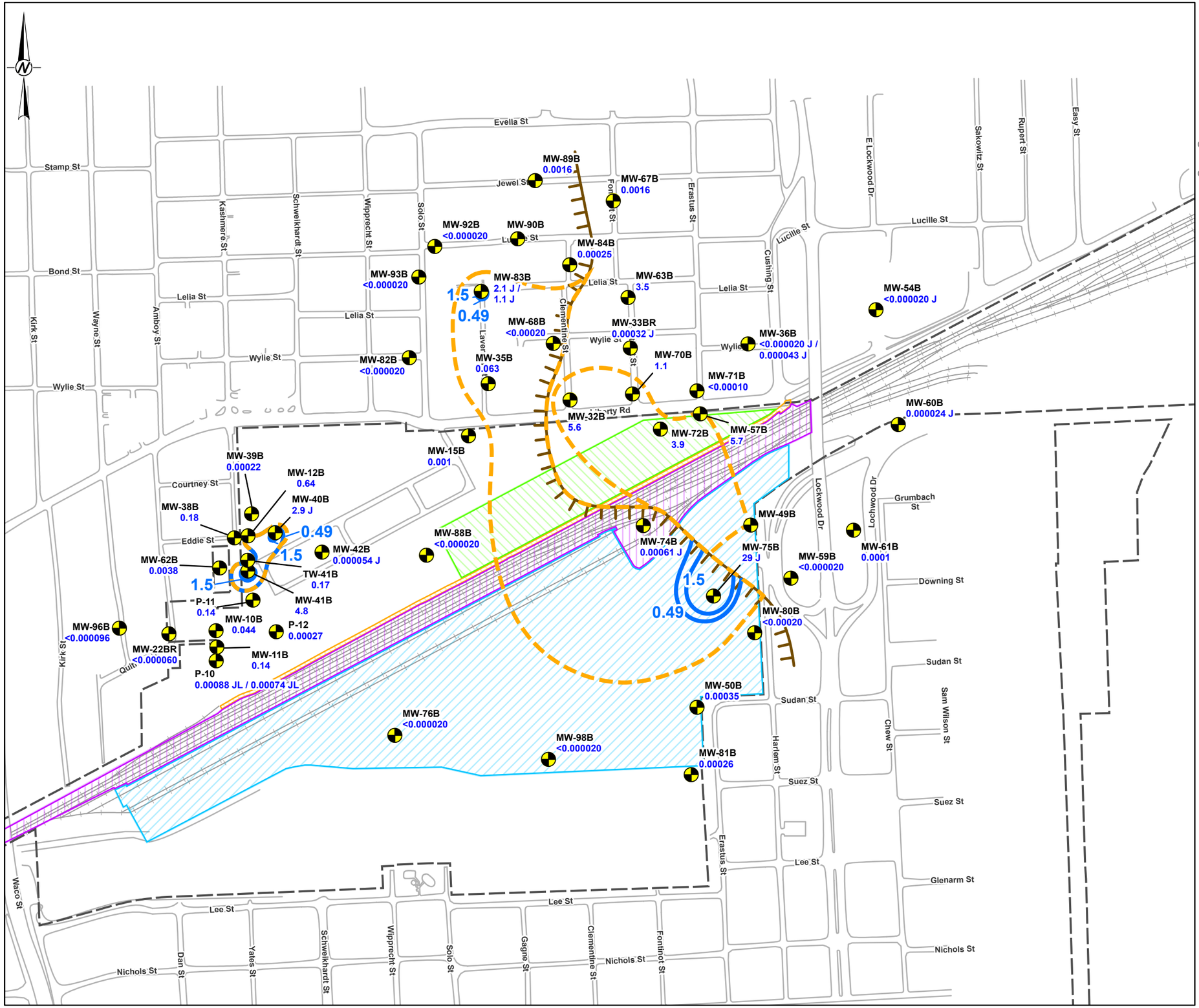
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DESIGNED	AR
PREPARED	AR
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APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
20

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC Figures_2024\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:39:44 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) — B-TZ / B-CZ BOUNDARY
- NAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL:
   CLASS 2 GW PCL: 0.49 MG/L (RES.) & 1.5 MG/L (C/I)
   CLASS 3 GW PCL: 49 MG/L (RES.) & 150 MG/L (C/I)
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - NAPHTHALENE - JULY 2024

CONSULTANT

wsp

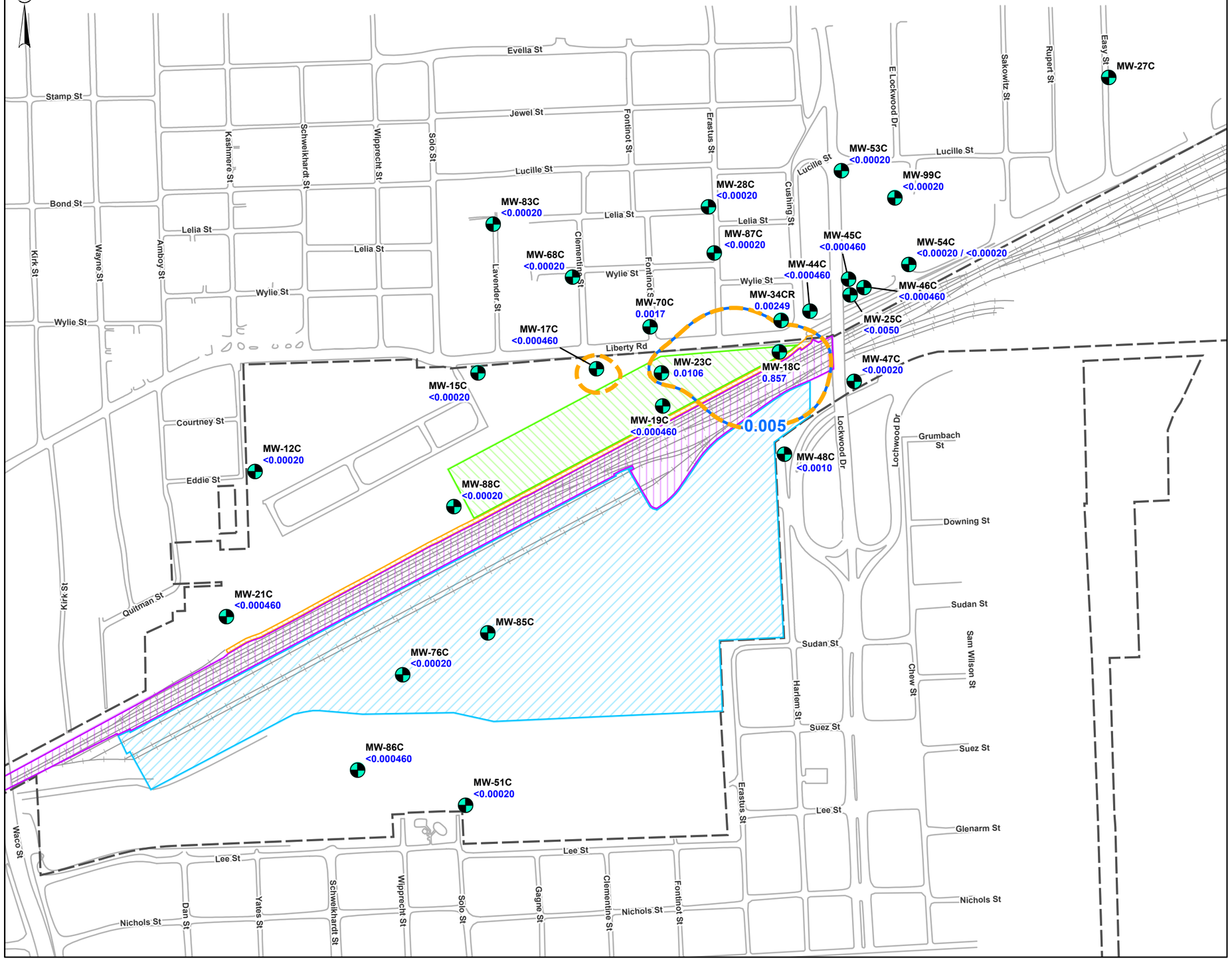
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DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
21

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC Figures_2024\11x17_0039040_4227_UPRR_Figures_202404.aprx PRINTED ON: AT: 9:40:15 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- BENZENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.005 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - BENZENE - JULY 2024

CONSULTANT

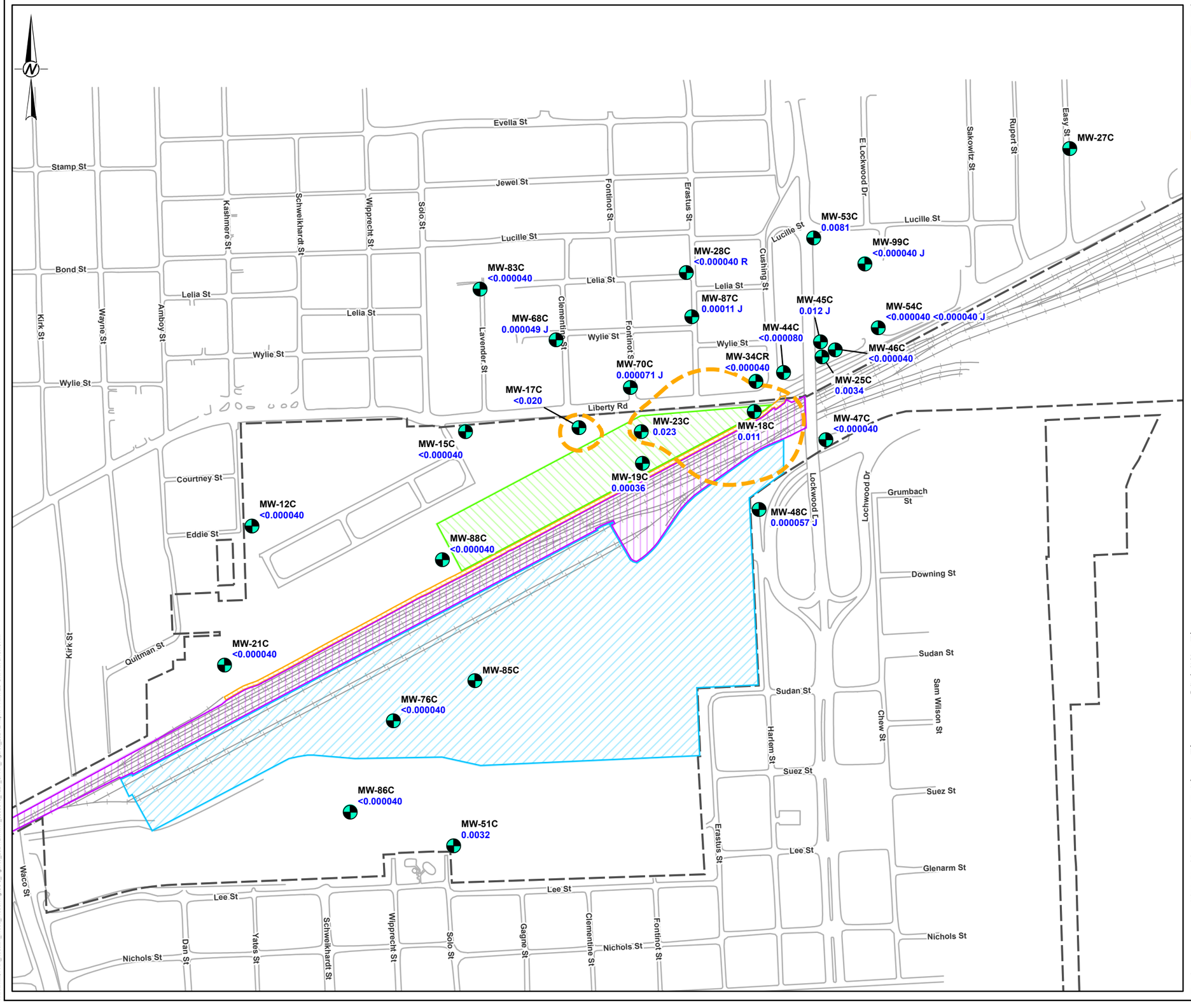
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APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
22

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211\r17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:40:29 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.49 MG/L AND 1.5 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - 2,4-DIMETHYLPHENOL - JULY 2024

CONSULTANT

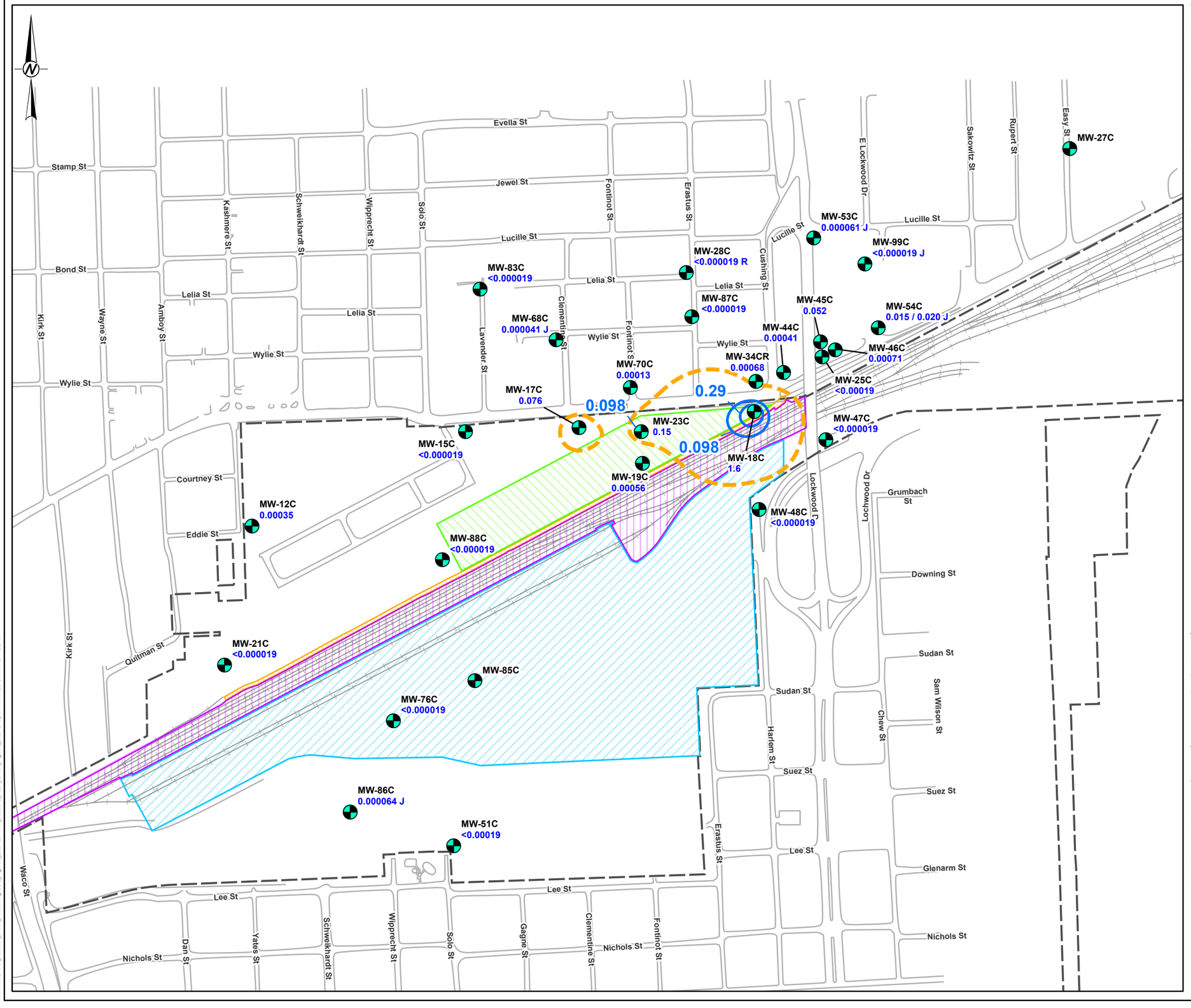
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
23

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\12\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx, PRINTED ON: AT: 9:40:46 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 2-METHYLNAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.098 MG/L AND 0.29 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - 2-METHYLNAPHTHALENE - JULY 2024

CONSULTANT

YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

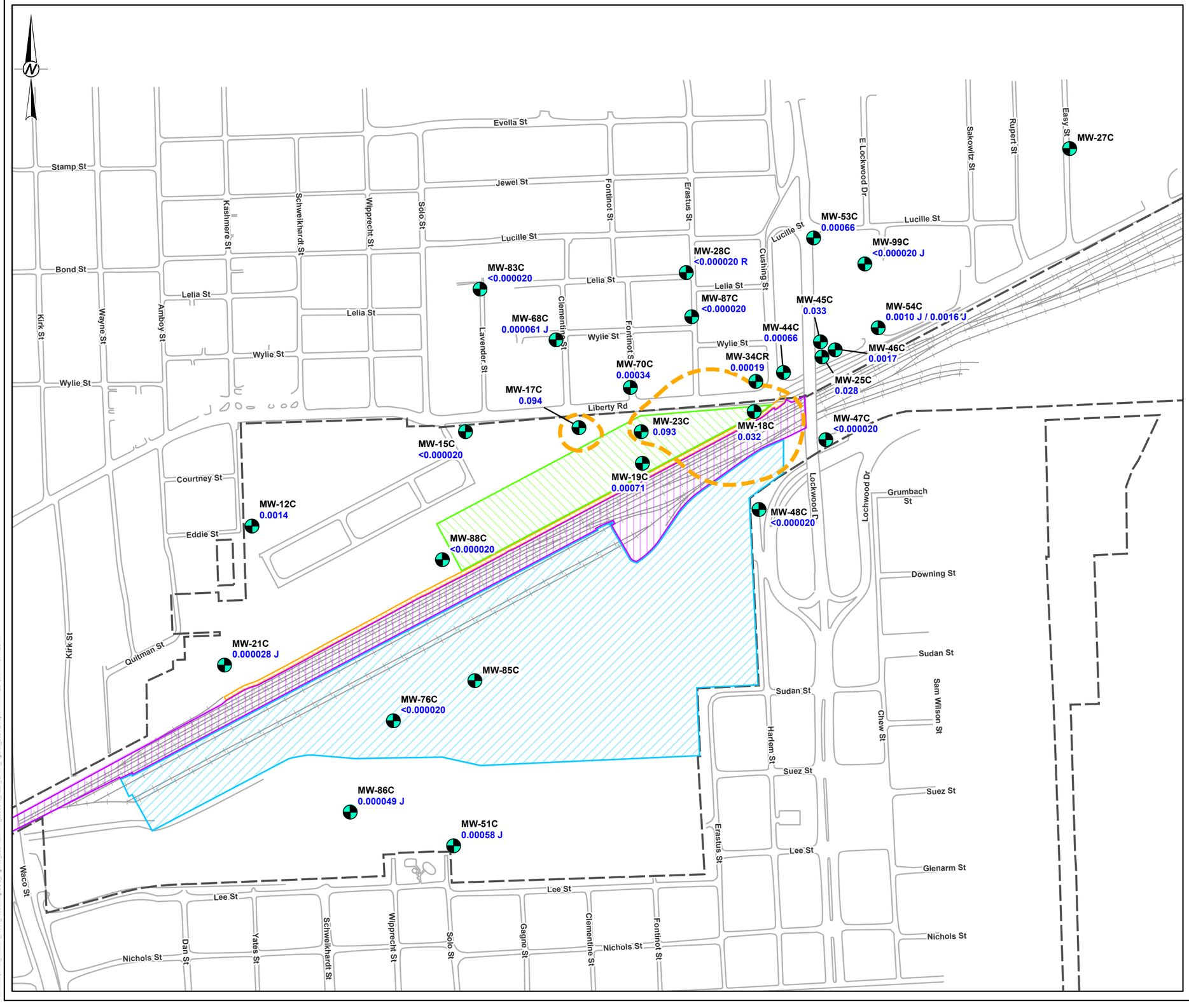
PROJECT NO.
US0039040.4227

FIGURE
24

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

0 1 in



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.098 MG/L AND 0.29 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - DIBENZOFURAN - JULY 2024

CONSULTANT

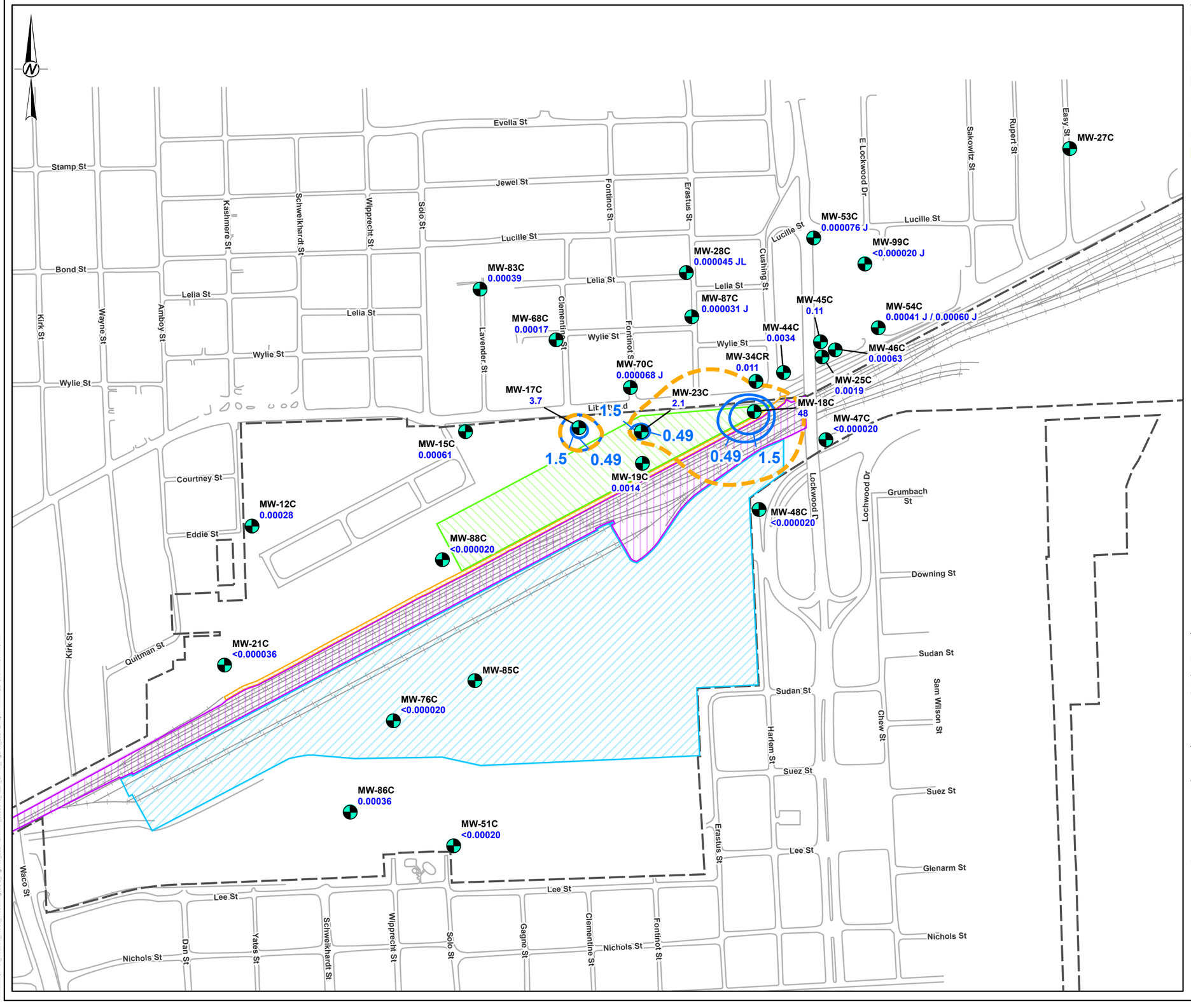
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
25

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\12\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:41:25 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- NAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.49 MG/L AND 1.5 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - NAPHTHALENE - JULY 2024

CONSULTANT

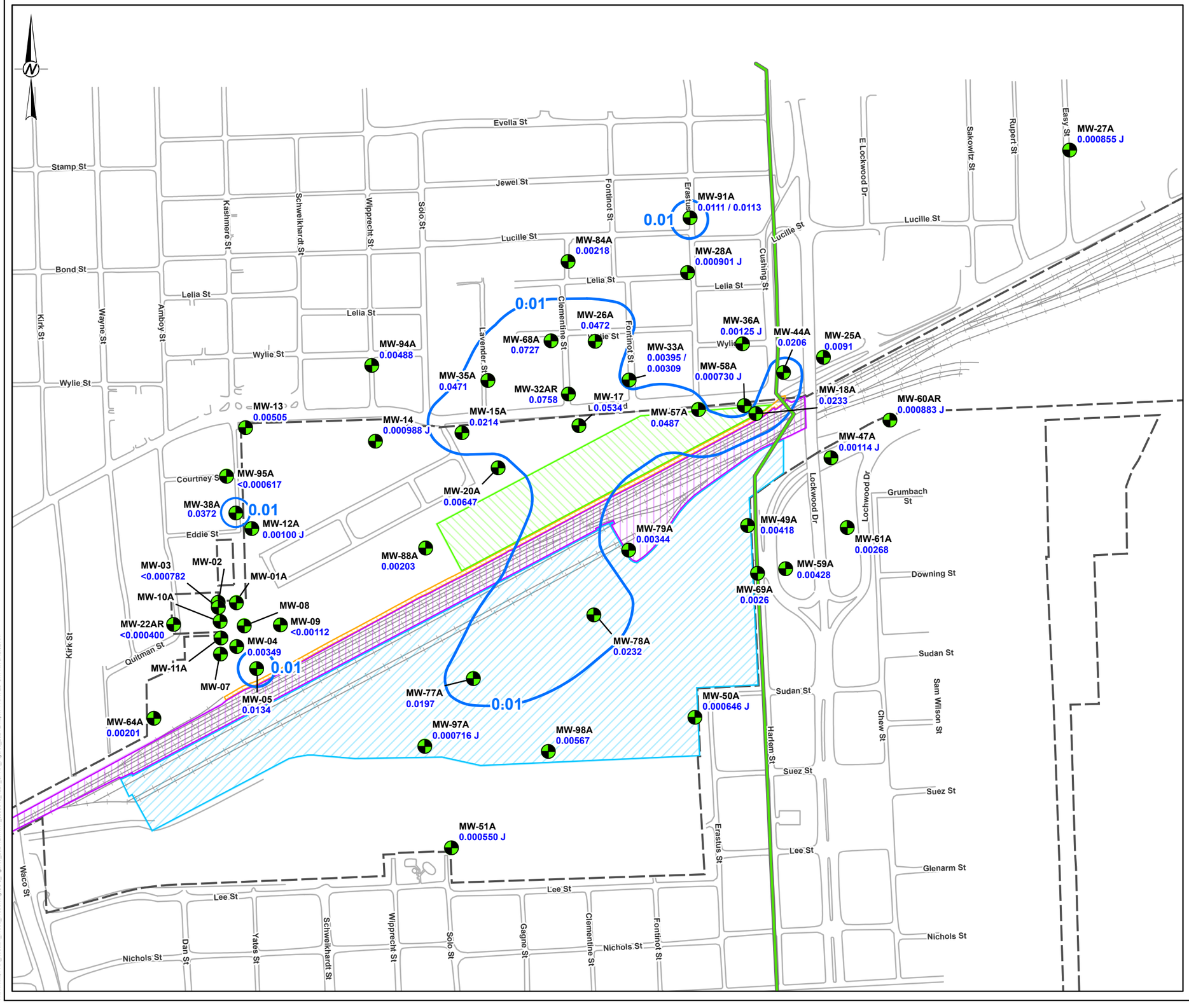
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DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
26

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\12\11x17_0039040_4227_UPRR_Figures_2024Q4.aprx, PRINTED ON: AT: 9:41:43 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- 0.01 ARSENIC CONCENTRATION CONTOUR
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.01 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - ARSENIC - JULY 2024

CONSULTANT

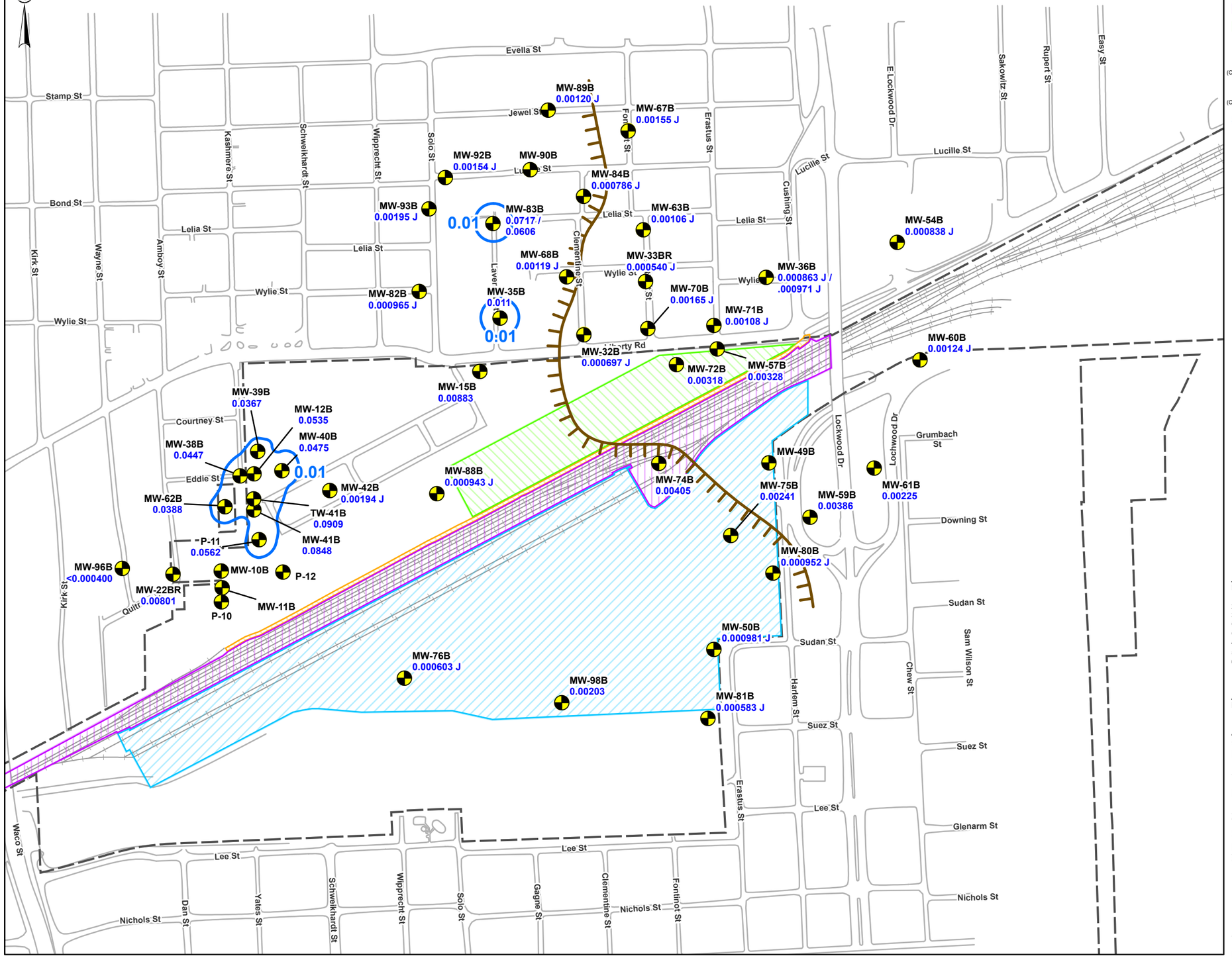
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO. US0039040.4227

FIGURE 27

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211\x17_0039040_4227_UPRR_Figures_202404.aprx PRINTED ON: AT: 9:42:02 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW) — B-TZ / B-CZ BOUNDARY
- ARSENIC CONCENTRATION CONTOUR
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850 Feet

NOTE(S)
1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL:
CLASS 2 GW PCL: 0.01 MG/L
CLASS 3 GW PCL: 1 MG/L
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - ARSENIC - JULY 2024

CONSULTANT
wsp

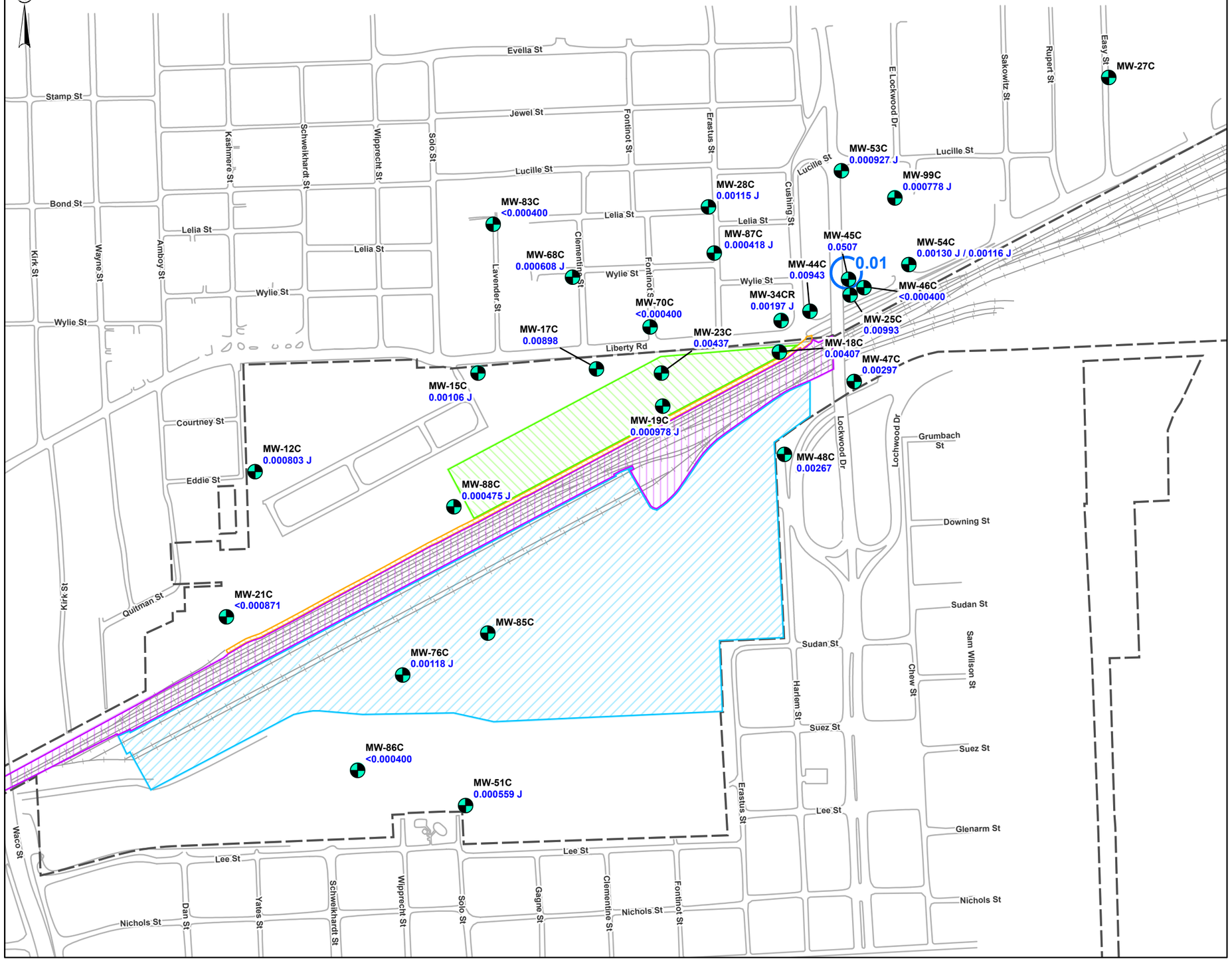
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A
1 in
0

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211x17_0039040_4227_UPRR_Figures_2024Q4.aprx, PRINTED ON: AT: 8:42:20 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- ARSENIC CONCENTRATION CONTOUR
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

0 212.5 425 850
Feet

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.01 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - ARSENIC - JULY 2024

CONSULTANT

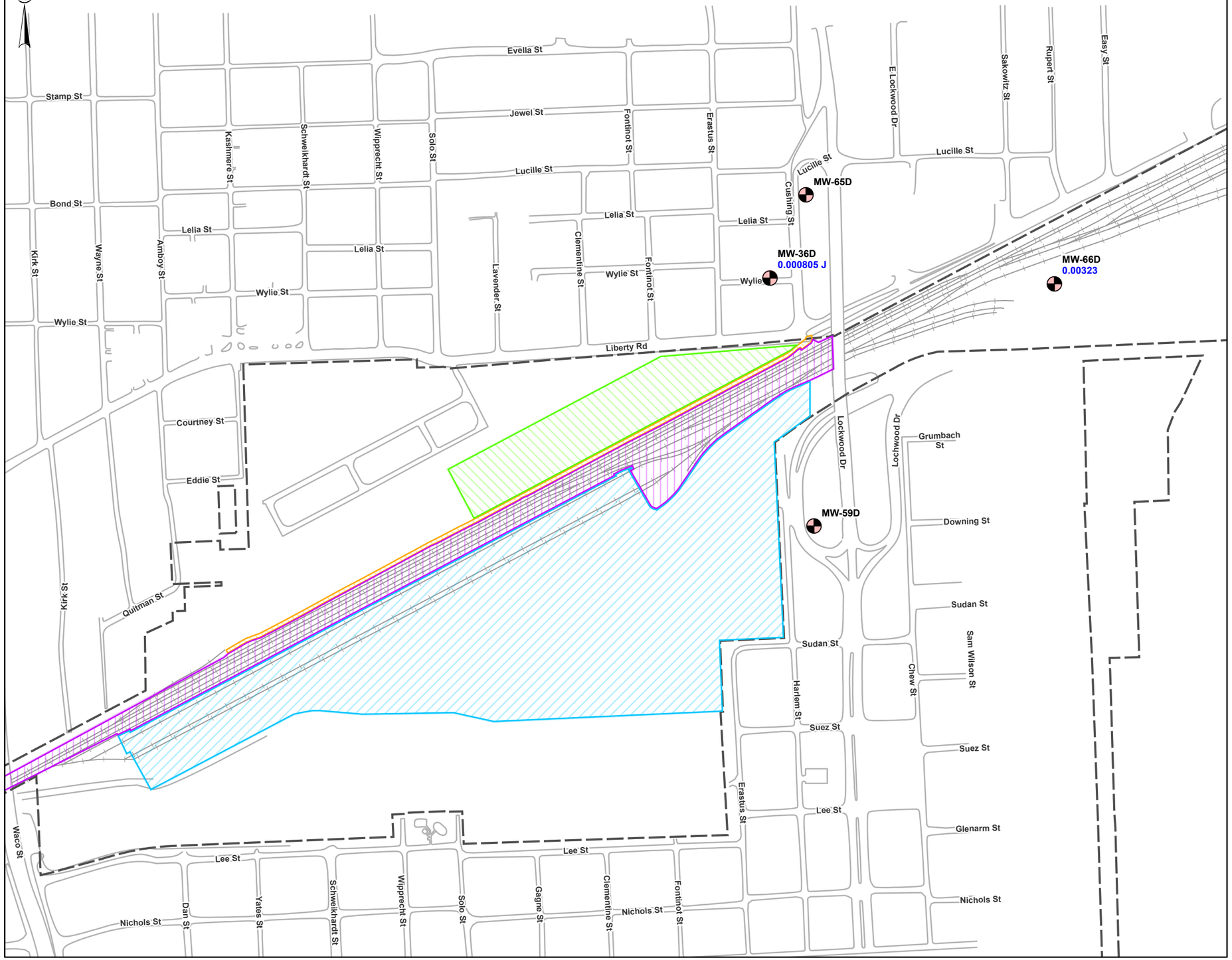
YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
29

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- D-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
2/25/25

NOTE(S)

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS ARE AT THE RAL AND C/I PCL (0.01 MG/L).
4. ALL UNITS SHOWN IN MG/L.
5. < - NOT DETECTED (RL/SQL) REPORTED).
6. J - ESTIMATED VALUE BETWEEN SQL AND MDL.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1927 STATEPLANE TEXAS SOUTH CENTRAL FIPS 4204.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
D-TZ - ARSENIC - JULY 2024

CONSULTANT

YYYY-MM-DD	2024-12-17
DESIGNED	AR
PREPARED	AR
REVIEWED	AKS
APPROVED	ECM

PROJECT NO.
US0039040.4227

FIGURE
30

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20241211x17_0039040_4227_UPRR_Figures_2024Q4.aprx PRINTED ON: AT: 9:43:03 AM

ATTACHMENT A

Groundwater Sampling Field Records

Static Water Level Measurement

Project/Task	**31406585.016**	**Meter Model**	**Heron**
Site	**HWPW SITEWIDE**	**Unit No.**	
Date	**7.22.24-7.23.24**	**Reference Point Location**	**x**□ Top of casing
			□ Other

Monitoring Well ID	**Depth to Product** (feet) □ not measured	**Depth to Water** (feet)		**Product Thickness** (feet)	**Total Depth** (feet)	**Observations** (well damage, sampling equipment in well, product description etc.)
		Primary Reading	*Check Reading*			
MW03		2.84	2.84		18.52	
MW04		4.11	4.11		21.35	
MW05		3.55	3.55		27.32	
MW09		3.45	3.45		35.42	
MW12A		5.71	5.71		30.34	Soft bottom
MW12B		5.76	5.76		NM	Recovery pump well
MW12C		23.82	23.82		75.55	Soft bottom
MW13		9.18	9.18		26.12	Soft bottom
MW14		7.14	7.14		44.80	Soft bottom
MW15A		7.80	7.80		30.55	Soft bottom
MW15B		7.63	7.63		40.68	Soft bottom
MW15C		22.15	22.15		74.70	Soft bottom
MW17		9.80	9.80		32.9	Soft bottom
MW17C		21.95	21.95		75.38	Soft bottom
MW18A		14.90	14.9		35.95	Soft bottom
MW18C		22.35	22.35		61.50	Soft bottom
MW19C		24.33	24.33		74.95	
MW20A		7.41	7.41		28.22	Hard bottom
MW21C		22.73	22.73		74.48	Soft bottom
MW22AR		0.60	0.60		20.02	Hard bottom
MW22BR		1.00	1.00		38.04	hard bottom
MW23C		25.40	25.40		75.15	Soft bottom
MW25A		NM	NM		NM	Cant locate
MW25C		NM	NM		NM	Cant locate
MW26A		NM	NM		NM	Cant locate
MW27A		2.42	2.42		26.80	
MW27C		14.48	14.48		16.89	Well filled with dirt. Not actual TD.

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

Field Team Leader _____ _____

name **signature**

Static Water Level Measurement

Project/Task	**31406585.016**	**Meter Model**	**Heron**
Site	**HWPW SITEWIDE**	**Unit No.**	
Date	**7.22.24-7.23.24**	**Reference Point Location**	**x**□ Top of casing
			□ Other

Monitoring Well ID	**Depth to Product** (feet) □ not measured	**Depth to Water** (feet)		**Product Thickness** (feet)	**Total Depth** (feet)	**Observations** (well damage, sampling equipment in well, product description etc.)
		Primary Reading	*Check Reading*			
MW28A		3.30	3.30		20.9	
MW28C		14.70	14.70		86.69	
MW32AR		3.20	3.20		18.8	
MW32B		2.64	2.64		40	
MW33A		3.65	3.65		25.15	
MW33BR		2.79	2.79		38.71	
MW34CR		17.54	17.54		67.39	
MW35A		2.87	2.87		28.4	
MW35B		2.85	2.85		43.1	
MW36A		6.30	6.30		27.55	
MW36B		5.84	5.84		42.85	
MW36D		80.73	80.73		109.7	
MW38A		2.63	2.63		22.1	
MW38B		1.50	1.50		37.5	
MW39B		5.70	5.70		40.7	
MW40B		5.26	5.26		42.42	
MW41B		4.80	4.80		NM	Recovery pump well
MW42B		5.57	5.57		43.00	
MW44A		8.82	8.82		28	
MW44C		15.65	15.65		58.7	
MW45C		15.13	15.13		70.11	
MW46C		15.37	15.37		72.1	
MW47A		6.40	6.40		24.97	
MW47C		NM	NM		NM	Cant locate
MW48C		15.80	15.80		72.50	
MW49A		10.30	10.30		29.88	Hard bottom
MW49B		NM	NM		NM	Blocked by building

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

Field Team Leader _____ _____

name **signature**

Static Water Level Measurement

Project/Task	**31406585.016**	**Meter Model**	**Heron**
Site	**HWPW SITEWIDE**	**Unit No.**	
Date	**7.22.24-7.23.24**	**Reference Point Location**	**x**□ Top of casing
			□ Other

Monitoring Well ID	**Depth to Product** (feet) □ not measured	**Depth to Water** (feet)		**Product Thickness** (feet)	**Total Depth** (feet)	**Observations** (well damage, sampling equipment in well, product description etc.)
		Primary Reading	*Check Reading*			
MW50A		NM	NM		NM	Cant locate, maybe under debris
MW50B		6.32	6.32		37.29	
MW51A		5.77	5.77		24.80	
MW51C		NM	NM		NM	Under trail ties
MW53C		15.35	15.35		70.30	
MW54B		13.82	13.82		40.08	
MW54C		15.02	15.02		72.00	
MW57A		11.40	11.40		25.02	Soft bottom
MW57B	Trace	13.89	13.89		42.84	Soft bottom
MW58A		10.62	10.62		28.61	Soft bottom
MW59A		8.45	8.45		20.53	Soft bottom
MW59B		7.76	7.76		32.53	Soft bottom
MW59D		NM	NM		NM	Well filled with dirt. Missing cap and lid
MW60AR		5.20	5.20		29.37	
MW60B		10.75	10.75		39.82	
MW61A		4.25	4.25		21.30	
MW61B		4.60	4.60		33.25	
MW62B		3.18	3.18		NM	Overgrown and flooded. Tree blocking enterance
MW63B		4.95	4.95		36.30	
MW64A		3.84	3.84		NM	Overgrown and flooded
MW65D		NM	NM		NM	Burried from construction
MW66D		NM	NM		NM	Under rail ties
MW67B		8.06	8.06		39.50	
MW68A		2.68	2.68		18.91	
MW68B		2.65	2.65		37.90	
MW68C		15.92	15.92		67.80	
MW69A		11.95	11.95		18.10	

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

Field Team Leader _____ _____

name **signature**

Static Water Level Measurement

Project/Task	**31406585.016**	**Meter Model**	**Heron**
Site	**HWPW SITEWIDE**	**Unit No.**	
Date	**7.22.24-7.23.24**	**Reference Point Location**	**x**□ Top of casing
			□ Other

Monitoring Well ID	**Depth to Product** (feet) □ not measured	**Depth to Water** (feet)		**Product Thickness** (feet)	**Total Depth** (feet)	**Observations** (well damage, sampling equipment in well, product description etc.)
		Primary Reading	*Check Reading*			
MW70B		4.18	4.18		37.2	
MW70C		16.10	16.10		66.2	
MW71B		0.20	0.20		36.15	
MW72B		14.92	14.92		40.01	Bent casing
MW74B	Trace	6.10	6.10		36.11	36.11
MW75B		4.70	4.70		37.4	37.40
MW76B		3.58	3.58		35.54	35.54
MW76C		19.82	19.82		70.5	
MW77A		NM	NM		NM	Under stockpile
MW78A		7.25	7.25		25.2	
MW79A		7.40	7.40		26.5	
MW80B		NM	NM		NM	blocked
MW81B		1.99	1.99		34.08	
MW82B		2.31	2.31		34.87	
MW83B		3.25	3.25		35.5	
MW83C		16.70	16.70		68.5	
MW84A		2.60	2.60		23.8	
MW84B		3.11	3.11		40.21	
MW85C		NM	NM		NM	blocked
MW86C		18.70	18.70		69.87	
MW87C		NM	NM		63.8	
MW88A		6.21	6.21		25.5	hard bottom
MW88B		6.30	6.30		43.21	
MW88C		23.45	23.45		75.88	soft bottom
MW89B		5.25	5.25		40.81	
MW90B		2.80	2.80		NM	Well filled with dirt.
MW91A		3.23	3.23		24.02	

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

Field Team Leader _____ _____

name **signature**

Static Water Level Measurement

Project/Task	**31406585.016**	**Meter Model**	**Heron**
Site	**HWPW SITEWIDE**	**Unit No.**	
Date	**7.22.24-7.23.24**	**Reference Point Location**	**x**□ Top of casing
			□ Other

Monitoring Well ID	**Depth to Product** (feet) □ not measured	**Depth to Water** (feet)		**Product Thickness** (feet)	**Total Depth** (feet)	**Observations** (well damage, sampling equipment in well, product description etc.)
		Primary Reading	*Check Reading*			
MW92B		2.64	2.64		34.60	
MW93B		2.61	2.61		33.90	
MW94A		2.55	2.55		21.60	
MW95A		2.59	2.59		21.91	
MW96B		1.00	1.00		35.48	
MW97A		4.01	4.01		19.91	
MW98A		NM	NM		NM	Under roll off
MW98B		NM	NM		NM	Under roll off
MW99C		14.82	14.82		67.31	
P-11		3.78	3.78		42.6	
TW-41B		5.25	5.25		42.22	

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

Static Water Level Measurement

Project/Task	**31406585.016**	**Meter Model**	**Heron**
Site	**HWPW SMU**	**Unit No.**	
Date	**7.22.24**	**Reference Point Location**	**x**□ Top of casing
			□ Other

Monitoring Well ID	**Depth to Product** (feet) □ not measured	**Depth to Water** (feet)		**Product Thickness** (feet)	**Total Depth** (feet)	**Observations** (well damage, sampling equipment in well, product description etc.)
		Primary Reading	*Check Reading*			
MW11A		4.69	4.69		24.10	
MW11B		4.80	4.80		46.75	
MW10A		4.47	4.47		25.61	
MW10B		4.60	4.60		46.45	
MW02		2.59	2.59		20.04	
MW01A		2.59	2.59		19.92	
MW08		3.84	3.84		25.19	
P12		2.94	2.94		41.43	
P10		2.34	2.34		42.9	
MW07		3.35	3.35		24.87	

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

Static Water Level Measurement

Page 1 of 1

Project/Task	HWPW - Site Wide	**Meter Model**	Heron
Site Location	UPRR	**Unit No.**	
Date	9/4/24	**Reference Point Location**	☐ Top of casing ☐ Other

Monitoring Well ID	Time	TOC Elevation (feet)	Depth to Product (feet) ☐ not measured	Depth to Water (feet)		Product Thickness (feet)	TD Water Level Elevation (feet)	Observations (well damage, sampling equipment in well, product description etc.)
				Primary Reading	*Check Reading*			
MW62B	817			7.25			35.15	
MW-64A	839			6.81			22.20	
MW-51C	945			19.80			72.84	
MW-77A	1005			5.80			24.82	
MW-85C	1010			21.90			69.95	
MW-98A	1036			8.52			20.43	
MW-98B	1043			6.70			39.79	
MW 80B	820			8.77			34.65	
MW-25C	1100			14.61			59.20	
MW-25A	1105			7.50			28.81	
MW-26A	1325			5.78			24.50	
MW-47C	1440			16.76			66.80	
MW-50A	1400			3.76			24.98	
MW-46D	1450			81.20			103.15	

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	3.98	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	8-5-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	3.98	ft. BGL
MW ID	MW03	**Location**	Other _____	**Total MW Depth**	18.52	ft. BGL
Sample ID	WG-1620-MW03-20240805	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	2.37	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0818	.2	0	starting purge						
0828			4.73	26.36	5.75	0.412	4.80	-140	0.0
0833			4.77	26.33	5.99	0.432	4.08	-127	0.0
0838			4.83	26.30	5.91	0.438	3.20	-123	0.0
0843			4.85	26.32	5.88	0.447	2.82	-124	0.0
0848	↓	↓	4.82	26.43	5.79	0.464	2.36	-128	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0924	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
0924	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.01L	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	3.98	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	8-5-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	3.98	ft. BGL
MW ID	MW03	**Location**	Other _____	**Total MW Depth**	18.52	ft. BGL
Sample ID	WG-1620-MW03-20240805	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	2.37	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0853	.2		4.83	26.30	5.74	0.489	2.03	-132	0.0
0858	↓		4.85	26.36	5.74	0.500	1.85	-133	0.0
0903	↓	↓	4.87	26.41	5.74	0.505	1.64	-134	0.0
0908	↓	~9.6	4.87	26.40	5.73	0.513	1.58	-134	0.0

Purging was completed based on: ☑ ☐ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0924	40 mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCl, none	VOCs, SVOC
0924	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31408658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	4.77	ft. BMP
Site Location	UPRR - HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	8-5-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	4.77	ft. BGL
MW ID	MW04	**Location**	Other	**Total MW Depth**	21.35	ft. BGL
Sample ID	WG-1620-MW04-20240805	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	2.70	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0947	.2	0	Starting purge.						
0957	↓	↓	5.26	29.00	6.26	0.480	0.70	60	0.0
1002			5.31	28.89	6.24	0.626	0.54	49	0.0
1007			5.32	28.43	5.96	0.652	0.49	47	0.0
1012			5.35	28.07	5.83	0.660	0.46	54	0.0
1017	↓	↓	5.35	27.92	5.74	0.663	0.45	57	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1038	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1038	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406538.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.77	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	8-5-24	**Reference Point**	☒ Top of casing	☐ **Depth to Water**	4.77	ft. BGL
MW ID	MW-04	**Location**	Other	**Total MW Depth**	21.35	ft. BGL
Sample ID	WG-1620-MW04-20240805	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	2.70	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1022	.2	✓	5.36	27.91	5.73	0.665	0.43	58	0.0
Purging was completed based on:	☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1038	40mL, 1L	G, G	3, 2	☐ filtered ☒ unfiltered	HCL, none	VOCs, SVOC
1038	120mL	P	1	☐ filtered ☒ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	314	Equipment Decon	☐ Dedicated equipment	Depth to Water	3.50	ft. BMP
Site Location	UPRR-HwPW-Sitewide		☑ Decon between locations	Casing Stickup	Stickup	ft.
Date	8/2/24	Reference Point	☑ Top of casing	☐ Depth to Water		ft. BGL
MW ID	MW-05	Location	Other	Total MW Depth	27.30	ft. BGL
Sample ID	WG-1620-MW05-20240802	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume		gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1448									
1458		1.00	4.02	26.80	6.57	0.840	0.82	-41	0.0
1455		2.00	4.02	26.11	6.51	0.753	0.49	-50	0.0
1500		3.00	4.02	26.12	6.49	0.750	0.43	-63	0.0
1505		4.90	3.98	25.89	6.45	0.753	0.38	-75	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1510	120, 40ml, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	4.03	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	-	ft.
Date	8-5-24	Reference Point	☑ Top of casing	☐ Depth to Water	4.03	ft. BGL
MW ID	MW09	Location	Other	Total MW Depth	35.42	ft. BGL
Sample ID	WG-1620-MW09-20240805	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	5.12	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1116	.2	0	Starting purge						
1126	|	|	4.20	29.80	5.56	0.872	0.69	-57	0.0
1131	|	|	4.22	29.70	5.79	0.860	0.65	-68	0.0
1136	|	|	4.24	29.33	5.91	0.856	0.59	-73	0.0
1141	|	|	4.24	28.84	5.96	0.878	0.60	-73	0.0
1146	↓	↓	4.26	28.74	6.03	0.859	0.54	-74	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1218	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1218	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	4.03	ft. BMP
Site Location	UPRR - HWPW		☐ Decon between locations	**Casing Stickup**	-	ft.
Date	8-5-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	4.03	ft. BGL
MW ID	MW09	**Location**	Other	**Total MW Depth**	35.42	ft. BGL
Sample ID	WG-1620-MW09-20240805	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	5.12	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-500e	**Pump Intake Depth**	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1151	↓	↓	4.26	28.53	6.54	0.862	0.54	-93	0.0
1156			4.26	28.30	6.39	0.866	0.52	-83	0.0
1159			4.25	28.27	6.32	0.870	0.51	-75	0.0
1202		↓	4.25	28.45	6.23	0.870	0.51	-66	0.0
1205	↓	~9.8	4.25	28.39	6.22	0.867	0.51	-65	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1218	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1218	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	3.79 ft. BMP
Site Location	LPRR-HWPW-Site wide		☑ Decon between locations	**Casing Stickup**	Stick up ft.
Date	8/2/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	P-11	**Location**	Other	**Total MW Depth**	42.72 ft. BGL
Sample ID	WG-LPRR-P11-20240802	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1406									
1408		1.50	4.20	26.99	6.75	1.13	0.91	5	2.2
1413		3.00	4.26	26.34	6.62	1.25	0.39	-12	0.0
1420		4.90	4.13	27.01	6.53	1.27	0.29	-17	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1425	1L, 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Starcher (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.71	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-26-24	Reference Point	☑ Top of casing	☐ Depth to Water	5.71	ft. BGL
MW ID	MW12A	Location	Other _____	Total MW Depth	30.34	ft. BGL
Sample ID	WG-1620-MW12A-20240726	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	4.01	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1250	.2	0	starting purge						
1300	|	|	4.86	27.65	6.42	0.873	0.23	-202	2.5
1305	|	|	4.90	27.14	5.40	0.931	0.15	-181	0.0
1310	|	|	4.90	26.95	6.30	0.921	0.10	-237	0.0
1315	|	|	4.90	26.70	6.33	0.915	0.07	-249	0.0
1320	↓	↓	4.90	26.64	6.34	0.909	0.04	-252	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1335	40mL, 1L	G,G	3,2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1335	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.71	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	-	ft.
Date	7-26-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	5.71	ft. BGL
MW ID	MW12A	**Location**	Other _____	**Total MW Depth**	30.34	ft. BGL
Sample ID	WG-1620-HW12A-20240726	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	4.01	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1325	.2	~7.46	4.90	26.48	6.34	0.908	0.03	-256	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1335	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1335	120 mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.75 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	– ft.
Date	8-2-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	5.75 ft. BGL
MW ID	MW12B	**Location**	Other _____	**Total MW Depth**	NM ft. BGL
Sample ID	WG-1620-MW12B-20240802	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	– gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	– ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1239	.2	0	starting purge						
1249	|	|	6.35	29.00	5.76	1.35	0.68	-87	7.6
1254	|	|	6.37	28.80	6.00	1.37	0.53	-105	8.0
1259	|	|	6.40	28.73	6.04	1.34	0.49	-111	8.2
1304	|	↓	6.40	28.31	6.06	1.37	0.45	-115	9.6
1307	↓	~5.6	6.40	28.16	6.05	1.38	0.43	-115	9.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1320	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1320	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dimi Baptiste (signature)

*: Sheen in bucket and Sample

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	23.82	ft. BMP
Site Location	UPRR - HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-26-24	Reference Point	☑ Top of casing	☐ Depth to Water	23.82	ft. BGL
MW ID	MW12C	Location	Other	Total MW Depth	75.55	ft. BGL
Sample ID	WG-1620-MW12C-20240726	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	8.43	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1358	.2	0	Starting purge						
1408	|	|	24.09	26.41	11.93	3.78	3.62	-214	9.8
1413	|	|	24.10	26.12	11.76	3.40	3.14	-216	45.3
1418	|	|	24.11	25.98	11.58	2.68	1.46	-217	78.4
1423	|	|	24.11	25.87	11.29	2.43	2.04	-211	82.4
1428	↓	↓	24.11	25.84	11.06	2.05	2.04	-213	102
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1508	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1508	120mL	P	1	☑ filtered ☐ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	23.82	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	-	ft.
Date	7-26-24	Reference Point	☑ Top of casing	☐ Depth to Water	23.82	ft. BGL
MW ID	MW12C	Location	Other	Total MW Depth	75.55	ft. BGL
Sample ID	WG-1620-MW12C-20240726	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	8.43	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1433	.2		24.11	25.82	10.63	1.82	1.85	-206	96.7
1438			24.11	25.79	10.18	1.67	1.74	-199	106
1443			24.00	25.86	10.21	1.67	1.65	-200	106
1448			23.97	25.90	9.91	1.58	1.55	-196	114
1451		↓	23.97	25.91	9.81	1.58	1.50	-192	109
1454	↓	~11.2	23.97	25.86	9.83	1.60	1.45	-194	103
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1508	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCl, None	VOCs, SVOC
1508	120mL	P	1	☑ filtered ☐ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	9.18	ft. BMP
Site Location	LRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7/29/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	9.18	ft. BGL
MW ID	MW13	**Location**	Other	**Total MW Depth**	26.16	ft. BGL
Sample ID	WG-1620-MW13-20240729	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	2.77	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0758	.2	0	Starting purge						
0808	↓	↓	8.15	26.58	6.44	1.01	0.34	-21	45
0813			8.15	26.62	6.47	1.02	0.30	8	93.5
0818			8.15	26.78	6.47	1.03	0.27	24	61.8
0821		↓	8.15	26.71	6.44	1.03	0.23	33	19.6
0824	↓	~5.68	8.15	26.53	6.42	1.03	0.21	33	7.2
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0838	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
0838	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3406585.016	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.14	ft. BMP
Site Location	UPR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-26-24	Reference Point	☒ Top of casing	☐ Depth to Water	7.14	ft. BGL
MW ID	MW14	Location	Other	Total MW Depth	44.80	ft. BGL
Sample ID	WG-1620-MW14-20240726	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	6.14	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1053	.2	0	Starting purge						
1103	|	|	7.35	28.29	6.62	1.47	1.85	103	4.6
1108	|	|	7.37	28.18	6.60	1.47	1.86	109	0.0
1113	|	|	7.38	28.02	6.59	1.47	1.78	116	0.0
1118	|	|	7.38	28.26	6.56	1.49	1.30	120	0.0
1123	↓	↓	7.38	28.28	6.42	1.55	0.43	85	0.0
Purging was completed based on:	☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1200	40mL, 1L	G, G	3, 2	☐ filtered ☒ unfiltered	HCL, None	VOCs, SVOCs
1206	120mL	P	1	☐ filtered ☒ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	7.14	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	-	ft.
Date	7-26-24	Reference Point	☑ Top of casing	☐ Depth to Water	7.14	ft. BGL
MW ID	MW14	Location	Other	Total MW Depth	44.80	ft. BGL
Sample ID	WG-1620-MW14-20240726	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	6.14	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1128	.2		7.38	28.23	6.40	1.55	0.32	70	0.0
1133	↓		7.42	28.16	6.38	1.54	0.23	59	0.0
1136	↓	↓	7.46	28.04	6.38	1.54	0.20	56	0.0
1139	↓	~9.46	7.46	28.06	6.37	1.54	0.20	54	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1200	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1200	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	31406588.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	6.47	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	—	ft.
Date	7/29/24	Reference Point	☑ Top of casing	☐ Depth to Water	6.47	ft. BGL
MW ID	MW15A	Location	Other	Total MW Depth	28.22	ft. BGL
Sample ID	WG-1620-MW15A-20240729	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	3.55	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1011	.2	0	Starting purge.						
1121	↓	↓	6.65	28.55	6.39	1.21	0.12	-142	11.9
1126	↓	↓	6.65	28.65	6.37	1.20	0.12	-146	8.2
1131	↓	~3.79	6.65	28.93	6.35	1.19	0.12	-148	2.4

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1049	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
↓	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	6.38	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	—	ft.
Date	7-29-24	Reference Point	☑ Top of casing	☐ Depth to Water	6.38	ft. BGL
MW ID	MW15B	Location	Other	Total MW Depth	40.68	ft. BGL
Sample ID	WG-1620-MW15B-20240729	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	5.60	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1233	.2	0	starting purge						
1243	|	|	7.38	30.51	6.31	1.57	0.16	-127	0.0
1248	|	|	7.41	30.30	6.29	1.57	0.13	-133	0.0
1253	|	↓	7.45	30.17	6.28	1.57	0.10	-140	0.0
1258	↓	~5.68	7.49	30.01	6.27	1.57	0.09	-143	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1311	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1311	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	21.64	ft. BMP
Site Location	UPRR-HWIPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7/29/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	21.64	ft. BGL
MW ID	MW15C	**Location**	Other ____	**Total MW Depth**	74.70	ft. BGL
Sample ID	WG-1620-MW15C-20240729	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	8.65	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1133	.2	0	Starting purge						
1143	↓	↓	23.08	30.97	9.03	1.27	0.30	-138	6.4
1148	↓	↓	24.11	29.88	8.99	1.29	0.23	-142	0.0
1153	↓	~3.79	24.42	30.01	8.98	1.29	0.19	-143	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1210	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1210	120ml	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	340658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	9.40 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	- ft.
Date	8-1-24	Reference Point	☑ Top of casing	☐ Depth to Water	9.40 ft. BGL
MW ID	MW-17	Location	Other	Total MW Depth	32.90 ft. BGL
Sample ID	WG-1620-MW17-20240801	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	3.83 gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	- ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft) ☐ NM	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1023	.2	0	starting purge						
1033			9.75	28.85	5.86	1.04	5.65	-71	6.1
1038			9.75	29.12	6.36	1.06	5.02	-99	5.4
1043			9.75	29.50	6.40	1.05	4.75	-104	0.7
1048		↓	9.77	29.75	6.37	1.02	4.59	-104	0.0
1053	↓	~6	9.80	29.85	6.35	1.04	4.48	-104	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1125	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1125	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	21.95	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	8-1-24	Reference Point	☑ Top of casing	☐ Depth to Water	21.95	ft. BGL
MW ID	MW17C	Location	Other _____	Total MW Depth	75.38	ft. BGL
Sample ID	WG-1620-MW17C-20240801	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	8.71	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-50XS	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0920	.2	0	starting purge						
0930	↓	↓	21.55	26.85	5.12	1.69	3.13	-65	0.0
0935	↓	↓	21.55	26.55	6.42	1.70	1.15	-125	0.0
0940	↓	↓	21.55	26.48	6.54	1.70	1.07	-123	0.0
0945	↓	↓	21.55	26.45	6.58	1.70	0.81	-121	0.0
0950	↓	~6	21.55	26.52	6.60	1.69	0.73	-117	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1006	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCl, none	VOCs, SVOC
1006	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	314065.5.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	14.41 ft. BMP
Site Location	UPRR-HWAO-Sitewide		☑ Decon between locations	Casing Stickup	Stickup ft.
Date	8/2/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-18A	Location	Other	Total MW Depth	35.90 ft. BGL
Sample ID	WG-1620-MW18A-20240802	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
944									
946		1.50	14.59	27.91	5.79	1.33	0.86	-46	51.1
950		1.95	14.57	27.31	5.93	2.05	0.33	-56	41.0
955		3.00	14.55	27.35	6.04	1.59	0.28	-72	37.7
1000		4.00	14.54	27.18	6.08	1.38	0.27	-85	34.2
1005		5.00	14.53	27.29	6.11	1.37	0.22	-90	26.8

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1010	120mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		Vinyl Chloride

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☐ Dedicated equipment	**Depth to Water**	21.90 ft. BMP
Site Location	URR-JWAV-Statewide		☑ Decon between locations	**Casing Stickup**	Stickup ft.
Date	8/2/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-18C	**Location**	Other	**Total MW Depth**	69.35 ft. BGL
Sample ID	WG-1620-MW18C-20240802	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1107									
1110		1.00	23.20	26.68	11.25	5.99	1.96	-222	154
1115		1.95	24.97	26.54	11.46	6.00	1.07	-156	147
1120		3.00	27.18	26.43	11.47	6.90	1.53	-145	136
1125		4.00	27.93	26.41	11.47	6.97	1.60	-136	144

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1130	120 dom, 1L	G P	6	☑ filtered ☐ unfiltered	HNO3	VOC SVOC Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	23.18	ft. BMP
Site Location	UPRR-HNTPW		☐ Decon between locations	**Casing Stickup**	-	ft.
Date	8-1-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	23.18	ft. BGL
MW ID	MW19C	**Location**	Other	**Total MW Depth**	74.95	ft. BGL
Sample ID	WG-1620-MW19C-20240801	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	8.44	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1321	.2	0	Starting purge						
1331	↓	↓	24.05	30.83	6.46	1.45	0.75	-105	134
1336	↓	↓	24.05	30.33	6.66	1.48	0.63	-117	114
1341	↓	↓	24.04	30.26	6.69	1.49	0.56	-119	79.3
1346	↓	~5	24.04	30.36	6.67	1.4	0.49	-118	57.4

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1400	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1400	120 mL	P	1	☑ filtered ☐ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	6.69	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	—	ft.
Date	7/29/24	Reference Point	☑ Top of casing	☐ Depth to Water	6.69	ft. BGL
MW ID	MW20A	Location	Other _____	Total MW Depth	28.22	ft. BGL
Sample ID	WG-1620-MW20A-20240729	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	3.51	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0911	~2	0	Starting purge						
0921	↓	↓	7.25	27.58	6.51	0.958	0.24	-155	12.4
0926	↓	↓	7.28	27.55	6.48	0.955	0.22	-156	22.4
0931	↓	↓	7.30	27.47	6.52	0.952	0.15	-162	21.7
0934	↓	~4.73	7.31	27.43	6.53	0.953	0.15	-164	1.6

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0948	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, sVOCs
↓	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	22.27 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	— ft.
Date	8-5-24	Reference Point	☑ Top of casing	☐ Depth to Water	22.27 ft. BGL
MW ID	MW21C	Location	Other	Total MW Depth	74.48 ft. BGL
Sample ID	WG-1620-MW21C-20240805	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	8.51 gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	— ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1255	.2	0	Starting purge						
1305	↓	↓	23.04	28.91	6.35	1.17	0.41	-81	12.8
1310	↓	↓	23.06	28.40	6.33	1.18	0.38	-79	10.9
1315	↓	~4	23.05	28.35	6.31	1.18	0.37	-80	8.5

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1330	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1330	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

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Groundwater Sample Collection

Project/Phase	3140658S.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	1.79 ft. BMP
Site Location	LFRR-HWPW-Bolivia		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	8/5/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-22AR	**Location**	Other	**Total MW Depth**	20.00 ft. BGL
Sample ID	WG-1620-MW22AR-20240805	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1050									
1053		.75	2.73	28.30	5.97	1.62	0.73	-30	481
1058		1.90	3.77	27.87	6.03	1.65	0.49	-41	322
1103		3.00	4.50	28.13	6.06	1.62	0.35	-49	103
1108		4.00	5.03	28.42	6.10	1.54	0.30	-55	27.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1115	120, 40mL, 1L	G P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	314065.95.076	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.59 ft. BMP
Site Location	UPRR-HWPW-sitewide		☑ Decon between locations	Casing Stickup	Flush mount ft.
Date	8/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-22BR	Location	Other	Total MW Depth	38.00 ft. BGL
Sample ID	WS-HOU-MW-22BR-20240805	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1013									
1015		1.00	1.89	28.45	5.91	1.34	0.99	8	0.0
1020		1.95	1.83	27.83	5.87	1.41	0.55	-7	0.0
1025		2.95	1.81	27.49	5.88	1.44	0.29	-1	0.0
1030		3.95	1.80	27.22	5.89	1.46	0.24	-1	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1035	120, 40mL, 1L	6, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Sharpe (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406 585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	24.93 ft. BMP
Site Location	LRRR - HWPW - Sitewide		☑ Decon between locations	**Casing Stickup**	Stickup ft.
Date	8/2/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-23C	**Location**	Other	**Total MW Depth**	75.00 ft. BGL
Sample ID	WS-1620-MW23C-20240802	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1202									
1205		1.00	25.29	27.63	8.79	0.801	0.96	-87	82.2
1210		2.50	25.30	26.94	7.27	0.535	0.13	-105	73.3
1215		3.50	25.30	26.73	6.96	0.527	0.19	-106	69.2
1220		6.00	25.30	27.03	6.76	0.600	0.30	-118	42.0
1225		7.25	25.30	26.90	6.74	0.677	0.30	-122	31.0
1230		8.50	25.29	27.05	6.74	0.780	0.30	-128	31.3
Purging was completed based on:	☐ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1235	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	21406585-016	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.64 ft. BMP
Site Location	UPRR HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	7/30/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-27A	Location	Other	Total MW Depth	24.80 ft. BGL
Sample ID	WS-1620-MW27A-20240730	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba U-5000	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1409									
1411		1.00	3.98	27.74	6.97	2.29	0.104	3	37.4
1416		3.00	5.01	27.20	6.89	2.29	0.32	-31	19.2
1420		4.00	6.34	27.03	6.86	2.29	0.31	-38	20.1
1425		6.00	7.30	26.08	6.86	2.28	0.30	-40	14.1

Purging was completed based on: ☐ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1430	1L, 40mL, 1L	G, P	6	☒ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Strosa (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.67 ft. BMP
Site Location	LPRR-HWTW-SiteWide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	7/30/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-28A	Location	Other	Total MW Depth	20.90 ft. BGL
Sample ID	WG-1620-MW28A-20240730	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
821									
823		1.00	1.80	27.96	8.42	0.434	1.71	58	60.3
828		3.00	1.80	27.85	6.60	0.785	0.66	138	30.8
833		4.00	1.80	27.81	6.52	1.07	0.48	101	29.0
838		5.50	1.80	27.66	6.53	1.18	0.43	40	22.1
843		6.95	1.81	27.57	6.52	1.22	0.39	0	15.9
848		8.00	1.81	27.52	6.54	1.25	0.41	-14	16.6

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
850	120mL, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	14.50 ft. BMP
Site Location	UPRR-HWPW-Statewide		☐ Decon between locations	Casing Stickup	Flush mount ft.
Date	7/30/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-28C	Location	Other	Total MW Depth	86.69 ft. BGL
Sample ID	WG1620-MW28C-20240730	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
906									
908		1.00	16.00	26.58	8.11	0.344	0.54	-63	28.1
913		2.50	17.36	26.30	9.48	0.224	0.32	-96	27.2
918		4.00	18.52	26.15	9.59	0.220	0.30	-98	26.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
920	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, 5180
935	120, 40mL, 1L	G, P	12	☑ filtered ☐ unfiltered	HNO3	WG-1620-MW28C-MS/MSD

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	2.61 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☐ Decon between locations	**Casing Stickup**	Flush mount ft.
Date	7/25/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-32AR	**Location**	Other	**Total MW Depth**	18.80 ft. BGL
Sample ID	WG-1620-32AR-20240725	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U50	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1014	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1015		1.00	2.75	27.82	5.94	0.079	1.46	+86	59.5
1020		2.00	2.81	27.83	5.89	0.100	1.30	-20	46.2
1025		3.00	2.84	27.66	5.88	0.160	1.87	-27	18.8
1030		4.25	2.87	27.66	5.97	0.224	3.90	-72	28.60
1035		5.50	2.91	27.62	5.99	0.229	4.00	-80	31.3
1040		6.95	2.90	27.66	6.10	0.232	4.07	-78	37.6

Purging was completed based on: ☐ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1100	120, 40mL, 1L	G,P	6	☑ filtered ☐ unfiltered	HNO3	SVOC, VOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	314065B5.016	Equipment Decon	☐ Dedicated equipment	Depth to Water	ft. BMP
Site Location	UPRR - HWPW - Sidewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	7/26/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-32B	Location	Other	Total MW Depth	40.00 ft. BGL
Sample ID	WG-7620-MW32B-20240726	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1000	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1000		-		26.86	6.10	0.555	0.94	17	46.4
1005		1.00		26.80	6.06	0.505	0.95	11	45.1
1010		2.00		26.87	6.06	0.497	0.98	4	46.9
1015		3.00		26.79	6.06	0.465	0.99	2	48.8

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1020	120, 40mL, 1L	G,P	6	☒ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	31405585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.72 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	7/29/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-33A	Location	Other	Total MW Depth	25.15 ft. BGL
Sample ID	WG-1620-MW33A-20240729	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-500	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
810									
811		.20	1.82	28.74	6.36	0.087	1.39	146	21.9
815		2.00	1.83	28.93	6.23	0.156	0.46	123	14.3
820		3.00	1.84	28.80	6.25	0.253	0.40	113	8.9
825		4.00	1.84	28.73	6.26	0.395	0.35	101	4.7
830		5.00	1.84	28.69	6.28	0.423	0.33	100	3.5

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
835	120, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC
840	120, 40mL, 1L	G, P	6	☐ filtered ☐ unfiltered	HNO3	WG-1620-FD01-20240729

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	31406585.0110	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.30 ft. BMP
Site Location	4PRR-HWPW-Site Wide		☑ Decon between locations	Casing Stickup	Flush mount ft.
Date	7/29/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-33B/R	Location	Other	Total MW Depth	38.71 ft. BGL
Sample ID	WG-1620-MW33BR-20240729	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1045		.25	2.90	29.36	6.45	0.661	2.37	-43	0.0
1050		1.95	4.09	29.14	6.28	0.647	2.95	-55	0.0
1055		3.00	5.86	28.66	6.26	0.635	3.08	-77	0.0
1100		4.00	7.14	28.42	6.30	0.605	2.99	-85	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1105	120, 40ml, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC vinyl chloride
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406SBS.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	16.51 ft. BMP
Site Location	UPRR-HWPW-sitewide		☑ Decon between locations	Casing Stickup	Flush Mount ft.
Date	8/1/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-34CR	Location	Other	Total MW Depth	67.39 ft. BGL
Sample ID	WG-1620-MW34CR-20240801	Water Quality		MW Diameter	4 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☐ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1025									
1029		2.00	17.00	25.24	6.72	0.382	0.85	-52	3.1
1035		3.00	17.22	25.02	6.72	0.369	0.43	-50	0.0
1040		4.90	17.41	24.89	6.74	0.369	0.32	-47	0.0
1045		6.00	17.49	24.84	6.74	0.369	0.30	-45	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1050	120, 40ml, 1L	G,P	4	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Strosk (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	2.76 ft. BMP
Site Location	UPRR-HwPW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/24/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	2.76 ft. BGL
MW ID	MW-35A	**Location**	Other	**Total MW Depth**	28.40 ft. BGL
Sample ID	W6-1620-MW35A-20240724	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	4-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1513									
1514		.45	3.20	28.97	6.41	1.88	0.91	-74	11.0
1518		2.00	3.29	28.44	6.39	2.16	0.48	-70	7.7
1520		3.00	3.30	28.54	6.39	2.10	0.46	-70	6.6
1525		4.00	3.29	28.57	6.41	2.01	0.42	-68	7.3

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1530	120, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	SVOC, VOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose
name signature

Groundwater Sample Collection

Project/Phase	317.585.016	**Equipment Decon**	☐ Dedicated equipment	**Depth to Water**	2.75 ft. BMP
Site Location	UPRR-Tuf-Site Wide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/2/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	2.75 ft. BGL
MW ID	MW-55B	**Location**	Other _____	**Total MW Depth**	43.10 ft. BGL
Sample ID	WS-1620-MW55B-20240724	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	_____ gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	_____ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1430									
1431		.75	3.34	29.00	6.67	1.64	0.85	-75	6.8
1435		2.00	3.82	28.62	6.64	1.71	0.54	-77	0.0
1440		3.50	3.96	28.21	6.64	1.66	0.45	-80	13.0
1445		5.00	4.02	28.13	6.66	1.03	0.41	-90	18.9
1450		6.00	4.10	28.10	6.58	1.09	0.39	-89	26.6
1455		7.00	4.11	28.11	6.57	1.22	0.37	-88	23.4

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1500	120,40mL,1L	G,P	6	☒ filtered ☐ unfiltered	HNO3	SVOC, VOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purge is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	314065S5.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.11	ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup		ft.
Date	7/31/24	Reference Point	☑ Top of casing	☐ Depth to Water		ft. BGL
MW ID	MW-36A	Location	Other	Total MW Depth	27.55	ft. BGL
Sample ID	WG-1620-MW36A-20240731	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume		gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
855									
858		1.00	6.62	27.60	6.79	0.228	2.42	-5	80.1
904		2.50	8.27	27.57	6.76	0.170	0.71	20	54.2
910		3.80	9.01	27.49	6.74	0.168	0.66	31	42.1
915		5.00	9.62	27.36	6.73	0.173	0.61	33	39.7

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
920	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.77	ft. BMP
Site Location	UPRR-HWAW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount	ft.
Date	7/31/24	Reference Point	☑ Top of casing	☐ Depth to Water		ft. BGL
MW ID	MW-36B	Location	Other	Total MW Depth	42.85	ft. BGL
Sample ID	WG-1620-MW36-B20240731	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume		gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
807									
809		1.00	6.81	26.06	7.09	0.230	0.67	86	7.1
815		2.25	10.70	25.96	6.84	0.218	0.44	102	4.9
820		4.00	12.67	25.91	6.75	0.214	0.44	104	5.3

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
825	120, 40mL, 1L	G,P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC, metals
830	120, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	WG-1620-FD-20240731

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Bladder pump

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	81.19 ft. BMP
Site Location	UPRR-HWPW-Statewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	8/6/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	~~W2-1620~~ - MW-36D	**Location**	Other	**Total MW Depth**	109.70 ft. BGL
Sample ID	W6-1620-MW36D-20240806	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☐ ~~Peristaltic~~ ☑ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1200									
1212		—	82.20	32.07	6.85	0.143	4.08	108	26.9
1217		1.00	82.81	31.17	6.94	0.099	5.03	115	20.0
1223		1.85	83.01	29.87	6.89	0.090	5.19	122	14.8
1228		2.25	83.07	29.80	6.88	0.090	5.00	123	13.7
1233		2.50	83.10	29.58	6.85	0.089	4.58	120	11.3

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1235	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	3406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	1.74 ft. BMP
Site Location	4PRR-HWRW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	8/5/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-38A	**Location**	Other	**Total MW Depth**	22.10 ft. BGL
Sample ID	WG-4620-MW38A-20240805	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-502	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1327	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1330		1.50	2.75	28.63	6.27	1.01	0.68	-29	0.0
1335		3.00	3.10	28.36	6.20	0.932	0.45	-34	0.0
1340		4.20	3.10	28.11	6.17	0.925	0.41	-36	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1345	120, 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose
name signature

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.87 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flush mount ft.
Date	8/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-38B	Location	Other	Total MW Depth	37.50 ft. BGL
Sample ID	EW6-1620MW38B-20240805	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1410									
1412		1.50	1.97	28.90	6.48	0.341	0.92	-52	9.7
1418		3.00	1.98	29.01	6.33	0.887	0.39	-32	9.5
1423		4.00	1.97	28.62	6.21	1.01	0.22	-21	8.2
1428		5.50	1.97	28.46	6.12	1.19	0.25	-32	2.2
1433		7.00	1.97	28.24	6.07	1.32	0.29	-52	0.6
1438		7.90	1.97	28.23	6.07	1.33	0.28	-54	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1445	2x 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Struze (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.70	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7-26-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	5.70	ft. BGL
MW ID	MW39B	**Location**	Other _____	**Total MW Depth**	40.7	ft. BGL
Sample ID	WG-1620-MW39B-20240726	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	5.71	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1547	.2	0	starting purge.						
1557	|	|	4.60	27.02	6.50	1.38	0.09	-47	42.2
1602	|	|	4.60	27.03	6.42	1.43	0.07	-45	32.4
1607	|	|	4.60	27.05	6.39	1.46	0.04	-60	25.1
1612	|	|	4.60	27.07	6.42	1.48	0.02	-72	27.6
1615	↓	↓	4.60	27.05	6.43	1.48	0.02	-75	19.2
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1635	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1635	120mL	P	1	☑ filtered ☐ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.70	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-26-24	Reference Point	☑ Top of casing	☐ Depth to Water	5.70	ft. BGL
MW ID	MW39B	Location	Other _____	Total MW Depth	40.7	ft. BGL
Sample ID	WG-1620-MW39B-20240726	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	5.71	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1618	.2	~11	4.60	27.07	6.43	1.49	0.00	-77	15.9
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1635	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCl, None	VOCs, SVOCs
1635	120mL	P	1	☐ filtered ☐ unfiltered	HNO3	Metals

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	4.80 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-26-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	4.80 ft. BGL
MW ID	MW40B	**Location**	Other _____	**Total MW Depth**	42.42 ft. BGL
Sample ID	WG-1620-MW40B-20240726	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	6.13 gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-50XG	**Pump Intake Depth**	— ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0938	.2	0	Starting purge.						
0948	|	|	4.71	26.75	6.37	1.37	0.44	-133	16.2
0953	|	↓	4.71	26.64	6.27	1.40	0.37	-135	9.2
0958	↓	~4	4.71	26.47	6.37	1.41	0.33	-136	5.2

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1015	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1015	120mL	P	1	☐ filtered ☑ unfiltered	~~H~~NO3	Metals

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	4.55	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	8-2-24	Reference Point	☑ Top of casing	☐ Depth to Water	4.55	ft. BGL
MW ID	MW41B	Location	Other	Total MW Depth	NM	ft. BGL
Sample ID	UG-1620-MW41B-20240802	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	–	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1450	.2	0	Starting purge						
1500	1		4.70	27.02	5.47	1.30	0.47	-79	0.0
1505			4.70	27.13	5.70	1.30	0.40	-93	0.0
1510			4.70	27.06	5.84	1.32	0.34	-102	0.0
1515		↓	4.70	26.79	5.86	1.32	0.37	-103	0.0
1520	↓	~6	4.70	26.80	5.87	1.32	0.34	-104	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1530	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCl, 1L	VOCs, SVOC
1530	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.00	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	3-2-24	Reference Point	☑ Top of casing	☐ Depth to Water	5.00	ft. BGL
MW ID	TW41B	Location	Other _____	Total MW Depth	42.22	ft. BGL
Sample ID	WG-1620-TW41B-20240802	Water Quality		MW Diameter	4	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	24.30	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1344	.2	0	Starting Purge						
1354	↓	↓	5.12	29.61	5.00	1.36	1.00	-49	0.0
1359			5.12	29.37	5.73	1.37	0.51	-100	0.0
1404			5.12	29.31	5.94	1.37	0.44	-117	0.0
1407			5.12	29.32	5.99	1.36	0.42	-120	0.0
1410	↓	↓	5.12	29.09	6.01	1.36	0.98	-121	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1432	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	SVOC, VOCS
1437	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406 58.06	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.00	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	-	ft.
Date	8-2-24	Reference Point	☑ Top of casing	☐ Depth to Water	5.00	ft. BGL
MW ID	TW41B	Location	Other _____	Total MW Depth	42.22	ft. BGL
Sample ID	WG-1620-TW41B-20240802	Water Quality		MW Diameter	4	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	24.30	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1413	.2	↓	5.12	28.80	6.03	1.37	0.89	-123	0.0
1416	↓	↓	5.12	28.66	6.03	1.38	0.91	-124	0.0
1419	↓	~7	5.12	28.53	6.04	1.38	0.90	-125	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1432	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1432	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	314058.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.15	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-29-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	5.15	ft. BGL
MW ID	MW-42B	**Location**	Other	**Total MW Depth**	43.00	ft. BGL
Sample ID	WG-1620-MW42B-20240729	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	6.17	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1337	.2	0	Starting purge						
1347	↓	↓	5.73	31.90	6.43	1.37	0.15	-11	64.2
1352	↓	↓	5.76	31.64	6.42	1.37	0.10	-15	48.0
1357	↓	↓	5.79	31.54	6.42	1.37	0.7	-13	20.9
1402	↓	~5.68	5.81	31.38	6.40	1.37	0.6	-7	5.6

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1418	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
↓	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C, pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	314065 85.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	8.09 ft. BMP
Site Location	UPRR-HNPW-Sitewide		☐ Decon between locations	Casing Stickup	Flushmount ft.
Date	8/1/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-44A	Location	Other	Total MW Depth	28.00 ft. BGL
Sample ID	UG-1620-MW44A-20240801	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
820									
822		.25	8.12	25.64	6.28	1.38	1.16	-38	30.8
825		.50	8.13	25.59	6.32	1.38	0.88	-40	13.4
830		2.00	8.13	25.60	6.36	1.37	0.59	-46	1.6

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
835	120, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC, metal
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Sapp (name) (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	15.24 ft. BMP
Site Location	UPRR-HWPW-Statewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	8/1/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-44C	Location	Other	Total MW Depth	58.70 ft. BGL
Sample ID	GG-1020-MW-44C-20240801	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1132									
1134		.75	16.39	26.68	7.07	0.281	2.95	18	11.8
1140		2.25	17.38	25.43	6.92	0.236	1.75	32	0.0
1145		4.00	17.59	25.77	6.86	0.231	2.52	38	0.0
1150		6.00	17.80	25.71	6.84	0.229	0.47	-5	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1155	120,40ML, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.0116	Equipment Decon	☐ Dedicated equipment	Depth to Water	14.73 ft. BMP
Site Location	UPRR - Husky - Statewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	8/1/22	Reference Point	☐ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-45C	Location	Other	Total MW Depth	70.11 ft. BGL
Sample ID	UPRR-MW45C-20220801	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
858									
900		1.00	15.46	26.37	6.56	0.541	1.15	-94	25.3
905		2.00	15.61	26.39	6.58	0.458	1.43	-117	19.0
910		2.85	15.62	26.27	6.57	0.452	1.51	-121	18.6
915		3.75	15.63	26.31	6.56	0.451	1.55	-124	18.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
920	40 mL Amb, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	15.00 ft. BMP
Site Location	UPRR-HWP10-SiteNide		☑ Decon between locations	**Casing Stickup**	Flush Mount ft.
Date	8/1/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-46C	**Location**	Other	**Total MW Depth**	72.10 ft. BGL
Sample ID	WE-1670-MW46C-20240801	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1233	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1235		1.00	16.29	26.99	6.74	0.201	2.21	-81	3.6
1240		3.00	16.71	27.26	6.72	0.188	0.37	-89	0.0
1245		4.00	16.92	27.27	6.71	0.181	0.35	-95	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1250	120/40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.27	ft. BMP
Site Location	UPER-HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-31-24	**Reference Point**	☒ Top of casing	☐ **Depth to Water**	5.27	ft. BGL
MW ID	MW47A	**Location**	Other _____	**Total MW Depth**	24.97	ft. BGL
Sample ID	WG-1620-MW47A-20240731	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	3.21	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1346	.2	0	Starting purge						
1356	↓	↓	5.37	31.25	5.99	0.080	7.28	121	0.0
1401			5.33	31.04	6.40	0.540	2.60	87	2.0
1406			5.33	30.73	6.61	0.743	1.32	68	0.0
1411			5.33	30.46	6.58	0.782	0.96	61	0.0
1416	↓	↓	5.33	30.32	6.48	0.796	0.77	60	0.0
Purging was completed based on:	☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1435	40mL, 1L	G, G	3, 2	☐ filtered ☒ unfiltered	HCL, None	VOCs, SVOCs
1435	120mL	P	1	☐ filtered ☒ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.27	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-31-24	Reference Point	☑ Top of casing	☐ Depth to Water	5.27	ft. BGL
MW ID	MW47A	Location	Other _____	Total MW Depth	24.97	ft. BGL
Sample ID	WG-1620-MW47A-20240731	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	3.21	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1421	.2	~7.00	5.33	30.18	6.42	0.802	0.66	61	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1435	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
1435	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	15.37	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	-	ft.
Date	7/31/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	15.37	ft. BGL
MW ID	MW48C	**Location**	Other	**Total MW Depth**	72.50	ft. BGL
Sample ID	WG-1620-MW48C-20240731	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	9.31	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0821	.2	0	Starting purge						
0831	↓	↓	16.33	26.52	5.21	0.379	0.91	-46	43.1
0836	↓	↓	16.40	26.69	5.74	0.360	0.86	-74	22.7
0841	↓	↓	16.43	26.78	6.02	0.338	0.80	-89	17.6
0846	↓	↓	16.51	26.69	6.29	0.312	0.62	-103	6.5
0851	↓	↓	16.55	26.82	6.66	0.303	0.77	-123	7.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0917	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
0917	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406558.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	15.37	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	-	ft.
Date	7-31-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	15.37	ft. BGL
MW ID	MW48C	**Location**	Other	**Total MW Depth**	72.50	ft. BGL
Sample ID	WG-1620-MW48C-20240731	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	9.31	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	-	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0856	.2	↓	16.55	26.91	6.62	0.298	0.56	-119	3.4
0859	↓	↓	16.55	26.91	6.61	0.294	0.53	-120	3.0
0902	↓	~8.14	16.55	26.83	6.63	0.292	0.51	-120	1.7

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0917	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
0917	120 mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406588.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	9.90	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	8-2-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	9.90	ft. BGL
MW ID	MW49A	**Location**	Other	**Total MW Depth**	29.88	ft. BGL
Sample ID	WG-1620-MW49A-20240802	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	3.26	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1010	.2	0	starting purge						
1020	1	1	10.13	29.95	3.19	0.352	3.94	31	7.7
1025			10.14	29.82	5.21	0.387	0.60	-89	4.2
1030			10.15	29.93	6.08	0.434	0.47	-139	0.0
1035			10.16	29.84	6.24	0.464	0.43	-149	0.0
1040	↓	↓	10.17	29.78	6.31	0.493	0.40	-155	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1105	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1105	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	9.90	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	8-2-24	Reference Point	☑ Top of casing	☐ Depth to Water	9.90	ft. BGL
MW ID	MW49A	Location	Other _____	Total MW Depth	29.88	ft. BGL
Sample ID	WG-1620-MW49A-20240802	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	3.26	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1043	.2	↓	10.17	30.36	6.33	0.489	0.39	-158	0.0
1046	↓	↓	10.18	30.42	6.33	0.486	0.38	-161	0.0
1049	↓	~7.8	10.18	30.23	6.34	0.498	0.37	-162	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1105	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1105	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	31405585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	6.32 ft. BMP
Site Location	UPRR - HWPW		☐ Decon between locations	Casing Stickup	— ft.
Date	7/25/24	Reference Point	☑ Top of casing	☐ Depth to Water	6.32 ft. BGL
MW ID	MW-508	Location	Other	Total MW Depth	37.29 ft. BGL
Sample ID	WG-1620-MW508-20240725	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	5.05 gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	— ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1202	.2	0	starting purge						
1212	↓	↓	9.55	27.18	6.66	1.37	0.47	6	0.0
1217	↓	↓	10.43	27.17	6.65	1.37	0.33	4	0.0
1222	↓	~ 3.79	11.00	27.11	6.65	1.36	0.29	3	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1240	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1240	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metals

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dimin Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.77	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-25-24	Reference Point	☑ Top of casing	☐ Depth to Water	5.77	ft. BGL
MW ID	MW51A	Location	Other	Total MW Depth	24.80	ft. BGL
Sample ID	MG-1620-MW51A-20240725	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	3.10	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1452	.2	0	Starting purge						
1502	↓	↓	6.62	25.88	6.43	1.23	0.24	-128	0.0
1507			6.42	25.78	6.42	1.24	0.18	-131	0.0
1510		↓	6.42	25.71	6.42	1.23	0.15	-132	0.0
1515	↓	~7.57	6.4	25.62	6.42	1.23	0.12	-131	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1530	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
↓	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

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Groundwater Sample Collection

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Project/Phase	3141658 5.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	15.00 ft. BMP
Site Location	UPRR-HWFW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date		**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-53C	**Location**	Other	**Total MW Depth**	70.30 ft. BGL
Sample ID		**Water Quality**		**MW Diameter**	2 inches Steel
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1510		1.25	15.00	27.90	7.05	0.396	1.33	-100	28.1
1515		2.100	15.63	26.83	6.95	0.231	0.74	-105	25.8
1520		3.25	15.68	26.66	6.72	0.453	0.51	-101	60.1
1525		5.00	15.68	26.59	6.71	0.691	0.47	-110	55.9
1530		6.00	15.67	26.55	6.72	0.735	0.49	-113	47.8

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1535	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	3124655S.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	13.14 ft. BMP
Site Location	UPRR-HWAD-Steroids		☐ Decon between locations	Casing Stickup	Flushmount ft.
Date	7/31/24	Reference Point	☐ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-54B	Location	Other	Total MW Depth	40.08 ft. BGL
Sample ID	WG-1620-MW54B-20240731	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
952									
954		1.75	16.00	26.13	6.67	0.670	0.56	81	36.2
959		2.95	16.25	26.36	6.72	0.716	0.24	70	26.5
1005		4.00	17.72	26.86	6.75	0.729	0.19	70	25.0
1010		5.00	18.30	26.17	6.76	0.735	0.17	69	24.3

Purging was completed based on: ☐ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1015	120Aam, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Strese (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.014	**Equipment Decon**	☐ Dedicated equipment	**Depth to Water**	14.70 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/31/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-54C	**Location**	Other	**Total MW Depth**	72.00 ft. BGL
Sample ID	GG-1620-MW54C-20240731	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5500	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1202									
1205		.75	15.10	27.91	6.61	1.69	1.35	-23	39.5
1210		2.00	15.14	27.04	6.52	1.97	0.36	-42	18.4
1215		3.00	15.17	27.86	6.54	1.99	0.27	-47	14.6
1220		4.00	15.18	26.80	6.55	1.99	0.24	-50	21.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1225	120, 4mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, Metals
1230	120, 4mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	WG-1620-FD05-20240731

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	10.82	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	8-1-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	10.82	ft. BGL
MW ID	MW57A	**Location**	Other	**Total MW Depth**	25.02	ft. BGL
Sample ID	WG-1620-MW57A-20240801	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	2.31	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1536	.2	0	Starting purge						
1546			11.00	33.97	5.03	0.741	0.42	-66	0.0
1551			11.00	33.74	5.51	0.758	0.36	-99	0.0
1556			11.00	33.62	5.68	0.765	0.34	-111	0.0
1601		↓	11.00	33.51	5.76	0.760	0.32	-114	0.0
1604	↓	~5.6	11.00	33.26	5.78	0.761	0.32	-110	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1623	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1623	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406525.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	10.22 ft. BMP
Site Location	UPRR-HwPW-Sitewide		☑ Decon between locations	Casing Stickup	Flush ft.
Date	8/12/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-58A	Location	Other	Total MW Depth	28.60 ft. BGL
Sample ID	LOG-1620-MW58A-20240812	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
825									
828		1.25		25.73	5.84	0.195	0.66	-57	10.0
835		3.00	10.57	25.74	5.87	0.233	0.69	-72	0.0
840		4.00	10.58	25.73	5.89	0.256	0.62	-78	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
845	120, 40ml, 1L	G,P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	13.50	ft. BMP
Site Location	UPRR - HWPW		☐ Decon between locations	Casing Stickup	—	ft.
Date	8-1-24	Reference Point	☑ Top of casing	☐ Depth to Water	13.50	ft. BGL
MW ID	MW57B	Location	Other	Total MW Depth	42.84	ft. BGL
Sample ID	WG-1620-MW57B-20240801	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	4.78	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1436	.2	0	Starting purge						
1446	↓	↓	16.74	32.76	6.24	1.38	0.49	-52	6.8
1451	↓	↓	17.51	32.58	6.35	1.39	0.42	-62	5.7
1456	↓	↓	18.52	32.55	6.42	1.36	0.38	-67	5.0
1501	↓	~5	19.92	32.36	6.40	1.38	0.35	-72	8.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
15:18	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1518	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	7.58	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-31-24	Reference Point	☑ Top of casing	☐ Depth to Water	7.58	ft. BGL
MW ID	MW59A	Location	Other	Total MW Depth	20.53	ft. BGL
Sample ID	WG-1620-MW59A-20240731	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	2.11	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1037	.2	0	Starting purge						
1047	↓	↓	9.01	27.69	5.57	0.563	0.54	-105	0.1
1052	↓	↓	9.10	27.32	5.84	0.616	0.49	-130	0.0
1057	↓	↓	9.17	27.11	5.99	0.661	0.45	-138	0.0
1102	↓	↓	9.17	27.02	6.06	0.688	0.43	-138	0.0
1107	↓	↓	9.17	26.96	6.10	0.709	0.41	-135	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1132	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1132	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	7.58	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-31-24	Reference Point	☑ Top of casing	☐ Depth to Water	7.58	ft. BGL
MW ID	MW59A	Location	Other	Total MW Depth	20.53	ft. BGL
Sample ID	WG-1620-MW59A-20240731	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	2.11	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1110	.2		9.18	26.97	6.12	0.719	0.41	-134	0.0
1113	↓		9.20	26.93	6.12	0.730	0.40	-132	0.0
1116	↓		9.21	26.91	6.13	0736	0.39	-130	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1132	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1132	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	4.82	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-31-24	Reference Point	☑ Top of casing	☐ Depth to Water	4.82	ft. BGL
MW ID	MW59B	Location	Other _____	Total MW Depth	32.53	ft. BGL
Sample ID	WG-1620-MW59B-20240731	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	4.52	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0941	.2	0	starting purge						
0951	↓	↓	8.24	27.68	6.70	0.185	0.98	68	8.6
0956	↓	↓	9.53	27.26	6.78	0.189	0.99	65	9.5
1001	↓	↓	10.90	27.32	6.79	0.191	1.09	67	6.9
1004	↓	~4.73	11.84	27.20	6.78	0.193	1.18	70	7.2

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1018	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1018	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	4.15	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7-30-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	4.15	ft. BGL
MW ID	MW60AR	**Location**	Other	**Total MW Depth**	29.37	ft. BGL
Sample ID	WG-1620-MW60AR-20240730	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	4.11	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1441	.2	0	starting purge						
1451	↓	↓	4.47	29.00	6.67	1.03	0.01	7	0.0
1456	↓	↓	4.48	29.29	6.65	1.03	0.00	8	0.0
1501	↓	~3.79	4.48	29.15	6.64	1.03	0.00	8	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1520	40 mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1520	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	10.56	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-30-24	**Reference Point**	☒ Top of casing	☐ **Depth to Water**	10.56	ft. BGL
MW ID	MW60B	**Location**	Other	**Total MW Depth**	39.82	ft. BGL
Sample ID	WG-1620-MW60B-20240730	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	4.77	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1555	.2	0	Starting Purge						
1605	↓	↓	16.46	29.81	7.37	0.872	0.31	-202	267
1610	↓	↓	17.95	30.03	7.90	0.830	0.18	-216	11.6
1615	↓	↓	18.36	30.20	8.00	0.824	0.11	-199	0.0
1620	↓	↓	21.11	30.29	8.03	0.811	0.04	-175	0.0
1625	↓	↓	22.14	30.67	8.04	0.803	0.01	-172	0.0

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1653	40mL, 1L	G, G	3, 2	☐ filtered ☒ unfiltered	HCL, None	VOCs, SVOCs
1653	120mL	P	1	☐ filtered ☒ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dimi Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	10.56	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7/30/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	10.56	ft. BGL
MW ID	MW60B	**Location**	Other _____	**Total MW Depth**	39.82	ft. BGL
Sample ID	WG-1620-MW60B-20240730	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	4.77	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1630	.2	↓	23.44	30.54	8.05	0.807	0.00	-157	0.0
1633	↓	↓	24.28	30.72	8.04	0.805	0.00	-156	0.0
1636	↓	↓	25.13	30.96	8.04	0.802	0.00	-150	0.0
		~8.33							

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1653	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, sVOC
1653	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

MS/MSD

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	3.00	ft. BMP
Site Location	UPER-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-31-24	Reference Point	☑ Top of casing	☐ Depth to Water	3.00	ft. BGL
MW ID	MW61A	Location	Other	Total MW Depth	21.30	ft. BGL
Sample ID	WG-1620-MW61A-20240731	Water Quality		MW Diameter	1 –	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume		gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1550	.2	0	Starting purge						
1600	|	|	4.20	33.03	4.49	0.642	0.44	-28	6.0
1605	|	|	4.15	32.66	4.62	0.659	0.33	-30	5.8
1610	|	|	4.10	32.54	4.76	0.679	0.29	-31	2.7
1615	|	|	4.11	32.51	4.82	0.689	0.27	-30	0.0
1620	↓	↓	4.10	32.46	4.87	0.701	0.25	-29	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1640	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
1640	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

MS/MSD

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	3.00	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-31-24	Reference Point	☑ Top of casing	☐ Depth to Water	3.00	ft. BGL
MW ID	MW61A	Location	Other ____	Total MW Depth	21.30	ft. BGL
Sample ID	WG-1620-MW61A-20240731	Water Quality		MW Diameter	1	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	–	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-500C	Pump Intake Depth	=	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1623	.2	~6.62	4.10	32.46	4.90	0.706	0.25	-28	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1640	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1640	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	4.00 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	— ft.
Date	7-31-24	Reference Point	☑ Top of casing	☐ Depth to Water	4.00 ft. BGL
MW ID	MW61B	Location	Other ____	Total MW Depth	33.25 ft. BGL
Sample ID	WG-1620-MW61B-20240731	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	____ gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	— ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or ~~mS/cm~~) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1458	.2	0	starting purge						
1508	↓	↓	4.57	30.32	5.29	1.23	4.68	-89	6.5
1513	↓	↓	~~4.76~~	30.12	5.56	1.22	0.77	-107	2.5
1518	↓	↓	4.74	30.29	5.72	1.21	0.51	-115	12.6
1523	↓	↓	4.80	30.53	5.80	1.20	0.43	-120	0.0
1526	↓	~5.6	4.84	30.54	5.82	1.20	0.40	-119	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1550	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
1550	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	1.00 ft. BMP
Site Location	UPRR-HWAW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/29/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-63B	**Location**	Other	**Total MW Depth**	36.30 ft. BGL
Sample ID	WG-1620-MW63B-20240729	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1123	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1124		.25	2.00	30.35	6.34	1.59	0.56	-70	8.1
1130		1.00	2.45	30.12	6.62	1.49	0.62	-110	0.8
1135		2.25	4.90	30.22	6.75	1.43	0.90	-130	1.3
1140		4.00	7.29	30.19	6.80	1.42	1.09	-137	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1145	120 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	7.90 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flush mount ft.
Date	7/30/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-67B	**Location**	Other	**Total MW Depth**	39.50 ft. BGL
Sample ID	WG-1620-MW-67B-20240730	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1112									
1114		1.90	9.64	27.07	6.87	0.953	1.05	-83	23.6
1120		2.95	11.60	26.64	6.99	0.955	0.48	-86	21.1
1125		4.00	13.52	26.60	7.02	0.954	0.31	-90	13.4
1130		5.25	15.53	26.60	7.04	0.951	0.24	-97	12.7

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1135	120, 40ml, 1L	G, P	6	☒ filtered ☐ unfiltered	HNO3	VOC, SVOC
1145	120, 40ml, 1L	G P	12	☐ filtered ☐ unfiltered	HNO3	WG-1620-MW-67B-MS/MSD-20240730

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.010	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.14 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	7/29/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-68A	Location	Other	Total MW Depth	18.9 ft. BGL
Sample ID	UP-1620-mw68A-20240729	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1326									
1328		.75	3.00	28.55	6.63	0.690	1.20	-94	190
1333		2.00	2.80	29.54	6.63	0.830	1.10	-110	1000
1348		6.00	3.41	29.21	6.76	0.789	1.08	-109	191
1352		8.00	3.00	29.00	6.60	0.624	0.99	-109	70.0
1357		9.00	2.98	28.22	6.60	0.768	1.14	-106	38.4
1403		10.25	2.97	28.74	6.61	0.814	1.13	-105	45.2
Purging was completed based on:		☑ Stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)							

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1405	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Strouse (name) (signature)

Groundwater Sample Collection

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Project/Phase	31465B5.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.00 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	ft.
Date	7/29/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-68B	Location	Other	Total MW Depth	37.90 ft. BGL
Sample ID	WG-1626-MW68B-20240729	Water Quality		MW Diameter	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5002	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1247									
1248		.50	2.40	33.16	6.84	0.189	1.38	-57	21.7
1252		1.75	2.49	31.13	6.57	0.1666	1.27	-62	12.3
1255		2.25	3.46	30.32	6.41	0.191	1.24	-61	6.1
1300		3.25	3.88	29.94	6.39	0.206	1.26	-65	3.9

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1305	120,40 mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	11.2 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	– ft.
Date	7-31-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	11.2 ft. BGL
MW ID	MW69A	**Location**	Other	**Total MW Depth**	18.10 ft. BGL
Sample ID	WG-1620-MW69A-20240731	**Water Quality**		**MW Diameter**	1 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	– ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1200	.2	0	starting purge						
1210	↓	↓	16.00	30.64	5.59	0.540	7.20	-92	0.0
1215	↓	↓	16.66	31.16	5.69	0.529	6.65	-126	0.2
1220	↓	↓	16.92	31.08	5.76	0.514	6.54	-148	0.0
1225	↓	↓	16.81	30.75	5.82	0.505	6.33	-171	0.0
1230	↓	↓	16.52	31.90	5.93	0.498	5.81	-191	2.7
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1253	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1253	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	11.2	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7-31-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	11.2	ft. BGL
MW ID	MW69A	**Location**	Other	**Total MW Depth**	18.10	ft. BGL
Sample ID	WG-1620-MW69A-20240731	**Water Quality**		**MW Diameter**	1	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**		gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1233	.2	↓	16.30	31.78	5.91	0.497	5.70	-192	0.5
1236	↓	~7.57	16.31	31.62	5.90	0.498	5.67	-197	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1253	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
1253	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	15.79 ft. BMP
Site Location	UPRR-HWPW-Sidewalk		☒ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/26/24	**Reference Point**	☒ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-68C	**Location**	Other	**Total MW Depth**	67.80 ft. BGL
Sample ID	WG-1620-MW68C-20240726	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1120		1.00	16.43	25.89	6.55	0.179	0.80	39	19.8
1125		2.00	16.80	25.84	6.60	0.111	0.69	39	11.7
1130		2.50	16.85	25.84	6.66	0.106	0.61	42	8.3
1135		3.25	16.84	25.86	6.69	0.105	0.59	43	8.8

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1140	120, 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	~~HNO3~~	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	31406385.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	4.22 ft. BMP
Site Location	UPRR-HWRW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flush mount ft.
Date	7/29/24	**Reference Point**	☐ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-70B	**Location**	Other	**Total MW Depth**	37.20 ft. BGL
Sample ID	WG-1620-MW70B-20240729	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
936									
938		.25	4.95	26.80	6.19	2.17	2.16	157	59.8
941		1.50	6.41	28.00	6.41	2.28	0.87	118	43.6
945		2.00	7.21	27.66	6.51	2.33	0.68	89	47.8
950		4.00	9.54	27.85	6.58	2.32	0.55	78	43.1
955		4.95	10.57	27.75	6.61	2.32	0.57	72	36.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1000	120, 40mL, 1L	GP	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	3146585.016	**Equipment Decon**	☐ Dedicated equipment	**Depth to Water**	15.60 ft. BMP
Site Location	GPR - HWPW - Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/29/24	**Reference Point**	☑ Top of casing	☐ **Depth to ~~Water~~** NAPL	62.80 ft. BGL
MW ID	MW-70C	**Location**	Other _____	**Total MW Depth**	66.20 ft. BGL
Sample ID	WG-HWPW-MW70C-20240729	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	_____ gallons
	☑ Peristatic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	_____ ft. BGL

Standard volume capacityof monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rae	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
857	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
858		1.00	16.00	28.79	6.77	0.071	4.94	110	43.30
903		2.25	16.10	28.42	6.64	0.053	5.21	127	49.8
908		3.75	16.19	27.26	6.53	0.052	5.30	142	21.9
914		5.50	16.19	27.23	6.50	0.052	5.37	147	20.3
Purging was completed based on:		☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)							

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Vilume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
920	120 40mL, 1L	G,P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose
name signature

Groundwater Sample Collection

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Project/Phase	31466585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	0.52 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/29/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-71B	**Location**	Other	**Total MW Depth**	36.15 ft. BGL
Sample ID	W6-1620-MW71B-20240729	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1543									
1555		1.00	2.09	32.53	6.89	0.390	1.37	-90	16.1
1600		2.95	3.99	32.21	6.98	0.303	0.63	-108	13.5
1605		4.00	5.24	32.55	6.99	0.299	0.61	-107	9.5

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1610	120, 40mL & 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140G585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	14.52 ft. BMP
Site Location	LPRR-HWAW-Sitewide		☐ Decon between locations	**Casing Stickup**	Stickup ft.
Date	8/1/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-72B	**Location**	Other	**Total MW Depth**	40.01 ft. BGL
Sample ID	GW-1620-MW72B-20240801	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1508	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1511		1.25	16.70	29.56	6.31	2.26	1.44	-81	243
1515		2.00	17.81	29.17	6.30	2.29	0.79	-85	239
1520		3.00	18.87	28.83	6.29	2.30	0.54	-89	234
1525		4.00	20.33	28.02	6.29	2.30	0.38	-91	232

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1530	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC, metals
				☐ filtered ☐ unfiltered	HCl	issue with "0" headspace

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406588.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.64	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7/30/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	5.64	ft. BGL
MW ID	MW74B	**Location**	Other	**Total MW Depth**	36.11	ft. BGL
Sample ID	WG-1620-MW74B-20240730	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	4.97	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1258	.2	0	starting purge						
1308	|	|	7.76	30.36	6.50	0.062	1.24	-136	42.3
1313	|	|	8.18	30.03	6.47	0.096	0.98	-152	39.8
1318	|	|	8.57	29.90	6.54	0.239	0.68	-182	28.0
1323	|	|	8.74	29.60	6.67	0.396	0.48	-201	8.3
1328	↓	↓	8.88	29.63	6.72	0.454	0.38	-198	7.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1415	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOCs
1415	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

* Sheen in bucket and sample

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☒ Dedicated equipment	Depth to Water	5.64	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7-30-24	Reference Point	☒ Top of casing	☐ Depth to Water	5.64	ft. BGL
MW ID	MW74B	Location	Other	Total MW Depth	36.11	ft. BGL
Sample ID	WG-1620-MW74B-20240730	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	4.97	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1333	.2		8.93	29.75	6.75	0.499	0.27	-187	3.1
1338	↓		9.03	29.65	6.75	0.512	0.21	-181	1.6
1343	↓		9.17	29.78	6.78	0.503	0.17	-167	1.4
1346	↓		9.24	29.48	6.78	0.513	0.16	-161	1.2
1349	↓	↓	9.30	29.72	6.79	0.522	0.15	-162	0.0
1352	↓	~10.79	9.32	29.71	6.80	0.517	0.13	-157	0.0
Purging was completed based on:		☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)							

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1415	40mL, 1L	G, G	3, 2	☐ filtered ☒ unfiltered	HCL, none	VOCs, sVOCs
1415	120mL	P	1	☐ filtered ☒ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Damitic Baptiste (name) Damitic Baptiste (signature)

* sheen in bucket and sample.

Groundwater Sample Collection

Page 1 of 1

Project/Phase	31406555.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	4.70 ft. BMP
Site Location	UPRR - HWPW		☐ Decon between locations	Casing Stickup	— ft.
Date	7/25/24	Reference Point	☑ Top of casing	☐ Depth to Water	4.70 ft. BGL
MW ID	MW-75B	Location	Other	Total MW Depth	37.40 ft. BGL
Sample ID	WG-1620-MW75B-20240725	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	5.33 gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	~34 ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0943	.2	0	starting purge						
0953	↓	↓	9.43	26.63	10.07	0.340	1.28	-17	14.4
0958	↓	↓	10.00	26.71	10.12	0.338	1.27	-27	11.1
1003	↓	↓	10.58	26.90	10.15	0.340	1.31	-31	12.5
1008	↓	~7.57	11.06	27.27	10.14	0.340	1.27	-32	14.2
			sheen in purge water & sample						

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1030	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCl, none	VOCs, SVOCs
1030	120mL	P	1	☑ filtered ☐ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

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Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	3.58	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	7/24/24	Reference Point	☑ Top of casing	☐ Depth to Water	3.58	ft. BGL
MW ID	MW-76B	Location	Other _____	Total MW Depth	35.54	ft. BGL
Sample ID	WG-1620-MW76B-20240724	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	5.21	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1500	.2	0	Starting purge						
1510	↓	↓	4.94	30.07	6.80	1.28	0.72	25	0.0
1515	↓	↓	5.00	30.11	6.78	1.35	0.58	17	0.0
1520	↓	↓	5.07	30.28	6.78	1.39	0.50	13	0.0
1525	↓	↓	5.11	30.26	6.78	1.41	0.44	7	0.0
1530	↓	~7.57	5.15	30.27	6.77	1.44	0.40	9	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1543	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1543	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metals

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☒ Dedicated equipment	Depth to Water	19.82	ft. BMP
Site Location	UPRR - HWPW		☐ Decon between locations	Casing Stickup	—	ft.
Date	7/24/24	Reference Point	☒ Top of casing	☐ Depth to Water	19.82	ft. BGL
MW ID	MW76C	Location	Other	Total MW Depth	70.5	ft. BGL
Sample ID	WG-1620-MW76C-20240724	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	8.26	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1348	.2	0	Starting purge						
1358	↓	↓	20.28	27.49	10.32	0.628	5.40	46	35.4
1403	↓	↓	20.30	28.16	10.30	0.622	5.27	41	34.2
1408	↓	~5.68	20.30	28.21	10.28	0.620	5.15	37	5.2

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1427	40mL, 1L	G, G	3, 2	☐ filtered ☒ unfiltered	HCL, None	VOCs, SVOCs
1427	120mL	P	1	☐ filtered, ☒ unfiltered	HNO3	Metals

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	31405585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	6.88 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	– ft.
Date	7-30-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	6.88 ft. BGL
MW ID	MW78A	**Location**	Other	**Total MW Depth**	25.20 ft. BGL
Sample ID	WG-1620-MW78A-20240730	**Water Quality**		**MW Diameter**	4 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	11.96 gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	~18 ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0922	.2	0	starting purge						
0932	↓	↓	7.30	30.00	6.43	1.24	0.12	-132	4.5
0937	↓	↓	7.43	30.09	6.42	1.24	0.08	-137	5.4
0942	↓	~3.79	7.48	30.41	6.40	1.24	0.04	-140	3.8

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1000	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1000	120mL	P	1	☐ filtered ☐ unfiltered	HNO3	Metals

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	7.13	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7/30/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	7.13	ft. BGL
MW ID	MW79A	**Location**	Other _____	**Total MW Depth**	26.50	ft. BGL
Sample ID	WG-1620-MW79A-20240730	**Water Quality**		**MW Diameter**	4	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	12.65	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	~20	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1034	.2	0	starting purge						
1044	↓	↓	7.56	32.45	6.57	0.208	0.03	-186	3.7
1049			7.80	32.40	6.55	0.210	0.03	-189	0.7
1054			7.85	32.54	6.52	0.212	0.02	-190	1.6
1059			7.90	32.26	6.48	0.219	0.07	-202	0.4
1104	↓	↓	7.95	32.21	6.45	0.227	0.06	-210	0.9

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1130	40mL, 1L	G, G	3, 2	☐ filtered ☐ unfiltered	HCL, none	VOCs, SVOC
1130	120mL	P	1	☐ filtered ☐ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	7.13	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7/30/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	7.13	ft. BGL
MW ID	MW79A	**Location**	Other _____	**Total MW Depth**	26.50	ft. BGL
Sample ID	WG-1620-MW79A-20240730	**Water Quality**		**MW Diameter**	4	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	12.65	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	~20	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1109	.2	↓	7.97	32.20	6.41	0.233	0.05	-213	0.9
1114	↓	~8.14	8.00	32.00	6.39	0.239	0.05	-216	0.6
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1130	40mL, 1L	G, G	3, 2	☐ filtered ☐ unfiltered	HCL, none	VOCs, SVOCs
1130	120mL	P	1	☐ filtered ☐ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	1.99	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	—	ft.
Date	7-25-24	Reference Point	☑ Top of casing	☐ Depth to Water	1.99	ft. BGL
MW ID	MW81B	Location	Other	Total MW Depth	34.08	ft. BGL
Sample ID	WG-1620-MW81B-20240725	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	5.23	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1308	.2	0	Starting purge						
1318	↓	↓	-	27.33	7.96	0.169	1.30	97	0.0
1323	↓	↓	6.60	27.40	7.97	0.169	1.25	100	0.0
1328	↓	~5.68	5.72	27.36	7.95	0.166	1.27	103	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1353	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
↓	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	2.16	ft. BMP
Site Location	UPRR-HWPW-Sitewide		☐ Decon between locations	**Casing Stickup**	Flushmount	ft.
Date	7/24/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**		ft. BGL
MW ID	MW-82B (Blue)	**Location**	Other	**Total MW Depth**	34.87	ft. BGL
Sample ID	WG-MW82B-20240724	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba U-5000	**MW Volume**		gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**		**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
854									
856		.50	2.41	27.13	6.28	1.54	1.34	72	0.0
900		2.00	2.49	26.93	6.37	2.01	0.74	90	0.0
905		3.00	2.49	26.87	6.41	2.06	0.62	95	0.0
910		4.00	2.49	26.82	6.43	2.03	0.59	100	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
915	120 mL, 40 mL	G, P	6	☐ filtered ☑ unfiltered	HNO3	SVOC, VOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Stuck (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31405585.016	Equipment Decon	☐ Dedicated equipment	Depth to Water	3.27 ft. BMP
Site Location	UPAR-HWPW-Seaside		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	7/29/24	Reference Point	☑ Top of casing	☐ Depth to Water	3.27 ft. BGL
MW ID	MW-83B	Location	Other _____	Total MW Depth	35.50 ft. BGL
Sample ID	WG-1620-MW-83B-20240729	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	_____ gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	_____ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1326									
1328		.50	3.51	28.57	7.53	1.24	0.86	-139	23.0
1330		1.00	3.65	28.49	7.07	1.51	0.60	-121	16.2
1335		2.95	3.75	28.34	6.71	1.63	0.40	-112	8.5
1340		4.50	3.75	28.49	6.66	1.64	0.38	-112	8.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1345	120, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	SVOC, VOC, metals
1350	120, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3	WG-1620-FD01-20240729

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406583.016	**Equipment Decon**	☐ Dedicated equipment	**Depth to Water**	16.69 ft. BMP
Site Location	UPRR-HWPW-Statewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/24/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	16.69 ft. BGL
MW ID	MW-83BC (Green)	**Location**	Other _____	**Total MW Depth**	68.50 ft. BGL
Sample ID	WG-1620-MW83C-20240724	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	_____ gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	_____ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1244									
1245		-	16.83	29.32	9.04	0.917	6.80	-61	32.5
1250		1.25	16.90	27.49	10.84	0.928	5.88	-114	63.4
1255		2.95	16.91	27.62	10.87	0.999	5.28	-117	38.1
1300		3.95	16.91	26.85	10.83	1.01	5.07	-114	34.8
1305		4.85	16.92	26.70	10.82	1.01	4.76	-111	33.9
1310		5.65	16.91	26.63	10.83	1.01	4.58	-109	39.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1315	120,4mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	SVOC, VOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Lance St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	6.90 ft. BMP
Site Location	MRR-HWPW-Statewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/29/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-84A	**Location**	Other	**Total MW Depth**	23.80 ft. BGL
Sample ID	WG-1626-MW84A-20240729	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	1 gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1441									
1442		.50	1.01	29.58	6.58	0.987	0.84	37	15.3
1447		2.50	2.00	28.75	6.59	0.996	0.26	52	0.0
1455		3.75	2.21	28.89	6.61	0.988	0.45	52	0.0
1500		5.00	2.00	29.27	6.61	0.988	0.26	51	0.0
1505		7.00	1.92	29.20	6.61	0.987	0.25 ~~0.25~~	51	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1510	120,40mL,1L	G,P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Swafford (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	2.62 ft. BMP
Site Location	UPRR AWPW-Site wide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/26/24	**Reference Point**	☐ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-84B	**Location**	Other	**Total MW Depth**	40.21 ft. BGL
Sample ID	WG-1626-MW84B-20240726	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba U-5000	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**		**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1328									
1330		1.00	2.83	27.25	6.23	0.357	1.21	159	13.0
1335		1.95	2.88	27.25	6.16	0.369	0.69	156	12.2
1340		3.25	2.91	27.11	6.13	0.375	0.45	151	2.0
1345		4.25	3.01	26.95	6.11	0.378	0.35	149	7.8
1350		5.50	3.10	26.81	6.09	0.379	0.30	147	4.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1355	120,40mL,1L	G, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Ian St Rose (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	3148658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	18.10	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	–	ft.
Date	8-2-24	Reference Point	☑ Top of casing	☐ Depth to Water	18.10	ft. BGL
MW ID	MW86C	Location	Other _____	Total MW Depth	69.87	ft. BGL
Sample ID	WG-1620-MW86C-20240802	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	8.44	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0845	.2	0	Starting purge						
0855	|	|	18.20	28.09	5.55	0.043	4.12	131	83.8
0900	|	|	18.21	27.94	6.22	0.031	3.71	106	0.0
0905	|	|	18.21	27.84	6.30	0.026	3.61	101	0.0
0910	|	↓	18.21	27.79	6.30	0.026	3.62	106	0.0
0913	↓	~5.6	18.21	27.98	6.29	0.026	3.62	107	0.0
Purging was completed based on:		☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)							

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0932	40mL; 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
0932	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dimi Baptiste (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	14.65 ft. BMP
Site Location	UFRR-HWPW-Site Wide		☐ Decon between locations	**Casing Stickup**	Flush mount ft.
Date	7/30/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-87C	**Location**	Other	**Total MW Depth**	63.80 ft. BGL
Sample ID	WG-1L20-MW87C-20240730	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
736									
738		.50	14.87	25.89	10.81	1.00	2.96	-47	170
742		2.00	15.10	25.85	10.85	1.13	1.76	-62	185
747		3.00	15.09	25.80	10.82	1.14	1.76	-59	212

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
750	120, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.42	ft. BMP
Site Location	UPR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7-29-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	5.42	ft. BGL
MW ID	MW-88A	**Location**	Other _____	**Total MW Depth**	25.50	ft. BGL
Sample ID	WG-1620-MW88A-20240729	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	3.27	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1436	.2	0	Starting purge						
1446	↓	↓	5.67	31.17	6.52	0.933	0.04	10	4.0
1451	↓	↓	5.67	30.68	6.51	0.939	0.02	12	0.0
1456	↓	~5.68	5.67	30.27	6.49	0.948	0.06	13	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1520	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOC
1520	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.55	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	–	ft.
Date	7-29-24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	5.55	ft. BGL
MW ID	MW-88B	**Location**	Other _____	**Total MW Depth**	43.24	ft. BGL
Sample ID	WG-1620-MW88B-20240729	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	6.14	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft) ☐ NM	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1538	.2	0	starting purge						
1548	↓	↓	6.90	30.92	6.95	1.22	0.45	84	0.0
1553	↓	↓	6.95	30.61	6.94	1.23	0.44	85	0.0
1558	↓	~3.79	7.00	30.49	6.93	1.24	0.43	86	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1638	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCl, none	VOCs, SVOC
↓	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	Metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	22.90	ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	Casing Stickup	—	ft.
Date	7-30-24	Reference Point	☑ Top of casing	☐ Depth to Water	22.90	ft. BGL
MW ID	MW-88C	Location	Other	Total MW Depth	75.88	ft. BGL
Sample ID	WG-1620-MW88C-20240730	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	8.64	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	—	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0753	.2	6	Starting purge						
0803	|	|	22.95	27.16	6.92	1.30	0.39	-13	0.0
0808	|	|	22.97	26.95	6.93	1.30	0.27	-49	0.0
0813	|	|	22.96	26.91	6.94	1.30	0.25	-65	0.0
0818	|	↓	22.96	26.97	6.94	1.31	0.22	-74	0.0
0821	↓	~4.35	22.96	26.99	6.94	1.31	0.21	-75	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0845	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, none	VOCs, SVOC
0845	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metal

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) Dominic Baptiste (signature)

Groundwater Sample Collection

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Project/Phase	3140585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	5.02 ft. BMP
Site Location	UPRR-HWPW sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/26/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-89B	**Location**	Other	**Total MW Depth**	40.81 ft. BGL
Sample ID	WG-1620-MW89B-20240726	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1452									
1453		1.50	6.60	26.67	6.34	0.409	2.12	-52	45.2
1457		1.50	7.60	26.68	6.24	0.296	1.79	-50	31.0
1500		2.25	8.31	26.58	6.19	0.270	1.64	-48	30.1
1505		3.50	10.10	26.55	6.14	0.262	1.40	-50	31.0
1510		5.00	11.45	26.33	6.16	0.263	1.20	-53	14.2

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1515	1/20/40/1L	G,P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	324065585-016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	1.64 ft. BMP
Site Location	UFRR-HWPW-Zidawide		☐ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/30/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-91A	**Location**	Other	**Total MW Depth**	24.02 ft. BGL
Sample ID	WG-1620-MW91A-20240730	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba U-5000	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**		**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1014	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1018		.50	1.70	28.76	6.87	0.582	0.88	-104	147
1023		2.00	1.79	28.43	6.68	0.755	0.67	-108	102
1028		3.50	1.80	28.31	6.64	0.815	0.55	-106	98.1
1033		5.00	1.80	28.19	6.63	0.844	0.50	-103	93.0
1038		6.00	1.81	28.10	6.62	0.850	0.48	-101	88.8

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1040	120,40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	VOC, SVOC
1045	120,40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3	WG-1620-FD03-20240730

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	3140585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	2.94 ft. BMP
Site Location	UPRR-HWMU-Sitewide		☑ Decon between locations	**Casing Stickup**	Flushmount ~~ft.~~
Date	7/24/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-92B (Blue)	**Location**	Other	**Total MW Depth**	34.60 ft. BGL
Sample ID	WG-1620-MW92B-20240724	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**		**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**		**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1034									
1036		1.00	3.20	27.34	6.55	0.649	2.85	-62	0.0
1040		2.00	3.30	27.25	6.46	1.50 ~~0.037~~	2.20	-56	0.0
1045		3.00	3.31	27.25	6.49	1.77	2.06	-39	0.0
1050		4.00	3.31	27.31	6.50	1.79	2.07	-31	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1055	1L, 120, 40mL	6, P	6	☐ filtered ~~☑~~ unfiltered	HNO3	SVOC, VOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	3140 6585.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	2.74	ft. BMP
Site Location	UPRR - HWPW - site wide		☑ Decon between locations	**Casing Stickup**	Flushmount	ft.
Date	7/24/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	2.74	ft. BGL
MW ID	MW-93B (Blue)	**Location**	Other _____	**Total MW Depth**	33.90	ft. BGL
Sample ID	WG-1660-MW93B-20240724	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**		gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**		**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
940	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
942		.20	3.10	26.77	6.58	1.39	1.17	106	0.0
945		1.25	3.12	26.59	6.59	1.28	0.60	110	0.0
950		2.50	3.19	26.35	6.59	1.27	0.47	106	0.0
955		3.20	3.20	26.23	6.57	1.29	0.45	59	1.5

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1000	1L, 120, 40mL	6P	6	☐ filtered ☑ unfiltered	HNO3	VOCs, SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon McRae (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	314069	Equipment Decon	☑ Dedicated equipment	Depth to Water	2.39 ft. BMP
Site Location	UPRR HWPW - sitewide		☑ Decon between locations	Casing Stickup	Flash mount ft.
Date	7/24/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW94A (Blank)	Location	Other	Total MW Depth	21.60 ft. BGL
Sample ID	WG-1620-MW94A-20240724	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-50000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
816		.75	2.41	26.76	6.00	0.643	1.78	23	9.3
817									
820		2.00	2.57	26.77	6.00	0.633	1.28	24	0.0
825		3.00	2.59	26.49	6.08	0.628	1.00	23	0.8

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
830	120, 1L, 40mL	G, P	6	☐ filtered ☑ unfiltered	HNO3	3VOC, VOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	2.80 ft. BMP
Site Location	UPRR-Hwlw-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	8/5/24	Reference Point	☐ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-95A	Location	Other	Total MW Depth	21.91 ft. BGL
Sample ID	WG-1120-MW95A-20240805	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
802	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
804		1.00	4.46	27.41	6.26	1.62	0.75	-37	0.0
810		1.95	5.02	27.32	6.27	1.46	0.59	-51	0.0
815		3.00	5.47	27.38	6.32	1.24	0.47	-43	0.0
820		4.00	6.02	27.27	6.34	1.02	0.37	-29	0.0
825		5.00	6.38	27.17	6.34	0.883	0.37	-12	0.0
830		6.00	6.50	27.14	6.34	0.875	0.37	-8	0.0
Purging was completed based on:		☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)							

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
835	120,40ml, 1L	G/P	4	☐ filtered ☒ unfiltered	HNO3	VOC SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection, ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader name signature

Groundwater Sample Collection

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Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	2.69 ft. BMP
Site Location	UPRR HNPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	8/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-96B	Location	Other	Total MW Depth	35.48 ft. BGL
Sample ID	WG-1620-MW96B-20240805	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba U-5000	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
915									
917		1.00	4.22	26.98	6.56	0.317	2.54	80	0.0
923		2.20	5.83	26.95	6.64	0.220	2.75	93	0.0
928		4.00	6.02	26.80	6.65	0.202	2.85	102	0.0
933		5.00	8.30	26.96	6.65	0.198	2.88	107	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
940	120, 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3	VOC, SVOC metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	4.01	ft. BMP
Site Location	~~SQR~~ UPRR - HWPN		☐ Decon between locations	Casing Stickup	–	ft.
Date	7/24/24	Reference Point	☑ Top of casing	☐ Depth to Water	4.01	ft. BGL
MW ID	MW-97A	Location	Other _____	Total MW Depth	19.91	ft. BGL
Sample ID	WG-1620-MW97A-20240724	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	2.59	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-500	Pump Intake Depth	–	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1618	.2	0	starting purge						
1628	↓	↓	4.33	31.35	6.41	1.88	3.44	84	16.0
1633			4.35	31.32	6.40	1.88	3.23	88	9.6
1638			4.36	31.27	6.40	1.87	2.99	91	5.6
1643		~~7~~ 7.57	4.37	31.39	6.40	1.87	2.97	92	3.2

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1700	40mL, 1L	G, G	3, 2	☐ filtered ☑ unfiltered	HCL, None	VOCs, SVOCs
1700	120mL	P	1	☐ filtered ☑ unfiltered	HNO3	metals

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Dominic Baptiste (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	314065835.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	14.40 ft. BMP
Site Location	UPRR-HWPW-Sidewide		☐ Decon between locations	**Casing Stickup**	Flushmount ft.
Date	7/31/24	**Reference Point**	☐ Top of casing	☐ **Depth to Water**	ft. BGL
MW ID	MW-94C	**Location**	Other	**Total MW Depth**	67.31 ft. BGL
Sample ID	GIG-1620-MW94C-20240731	**Water Quality**		**MW Diameter**	2 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1036									
1038		.75	14.60	27.47	7.10	0.300	1.96	97	261
1043		2.00	14.58	27.27	7.31	0.209	2.02	97	209
1049		3.00	14.59	27.04	7.58	0.153	2.27	99	161
1055		4.25	14.60	26.87	7.62	0.155	2.20	102	137

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1100	12x40mL, 1L	G, P	6	☐ filtered ☐ unfiltered	HNO3	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

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Chain of Custody Form

Page 1 of 1

COC ID: 320988

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92585	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~Rinse~~ WG-1620-MW94A-20240724	7/24/24	830	GW	HW03,8	6	X	X	X								
2	WG-1620-MW82B-20240724		915		HW03,8	6	X	X	X								
3	WG-1620-MW93B-20240724		1000		HW03,8	6	X	X	X								
4	WG-1620-MW92B-20240724		1055			6	X	X	X								
5	WG-1620-MW83C-20240724		1315			6	X	X	X								
6	WG-1620-MW83B-20240724		1345			6	X	X	X								
7	WG-1620-FD01-20240724		1350			6	X	X	X								
8	WG-1620-MW35B-20240724		1500			6	X	X	X								
9	WG-1620-MW35A-20240724	7/24/24	1530	GW	HW03,8	6	X	X	X								
10	WG-1620-FB01-20240724	7/24/24	1645	GW	HW03,8	6	X	X	X								

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Alex Hall Leon St Rose	Carrier	☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW1620-21	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Chain of Custody Form

Page ____ of ____

COC ID: 320994

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Feterburs	Project Name	Houston TX-Wood Preserving Works	A	8270_LOW_W (SemiVolatiles Select List (14))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8260_LL_W (select list) 8260 Volatile Organics (8)
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP-WA)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	8260_LL_W (select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(612) 671-3443	Fax		I	
e-Mail Address	ematzner@arsolutions.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW76C-20240724	7/24/24	1427	GW	1,2,8	6	X	X	X								
2	WG-1620-MW76B-20240724	↓	1543	GW	1,2,8	6	X	X	X								
3	WG-1620-MW77A-20240724	↓	1700	GW	1,2,8	6	X	X	X								
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Dominic Baptiste	Carrier	☐ STD 10 WK Days ☐ 5 WK Days ☐ 3 WK Days ☐ 24 Hour ☒	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21	
Dominic Baptiste	7/24/24	1730			
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level II Std QC/Raw Data
☐ Level IV SVM SCLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Middletown, PA +1 717 944 5541
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Chain of Custody Form

Page 1 of 2

COC ID: 320990

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (6))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (Semi Volatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	emetzner@ransolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW75B-20240725	7-25-24	1030	GW	1,2,8	6	X	X	X								
2	WG-1620-MW50B-20240725	"	1240	"	"	"	X	X	X								
3	WG-1620-MW81B-20240725	"	1353	"	"	"	X	X	X								
4	WG-1620-MW51A-20240725	"	1530	"	"	"	X	X	X								
5	WG-1620-MW40B-20240726	7-26-24	1015	GW	1,2,8	6	X	X	X								
6	WG-1620-MW14-20240726	"	1200	"	"	"	X	X	X								
7	WG-1620-MW12A-20240726	"	1335	"	"	"	X	X	X								
8	WG-1620-MW12C-20240726	"	1508	"	"	"	X	X	X								
9	WG-1620-MW39B-20240726	"	1635	"	"	"	X	X	X								
10	WG-1620-FB02-20240726	"	1645	"	"	"	X	X									

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Dominic Fabiste Dominic Fabiste	Drop off	☐ STD: 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hr ☒	

Relinquished by:	Date: 7/26/24	Time: 1750	Received by:	Notes: UPRR HWP-W 1620-21
Relinquished by:	Date:	Time:	Received by (Laboratory): 7/27/24 17:50	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
52182	3.5°C
52478	2.6°C
52473	3.1°C

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level II Std QC/Raw Data
☐ Level IV SVM/MC LIP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

COC ID: 320993

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92583	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- AP	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Watzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 68179-0750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ewatzner@wsp.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~MW-W~~ W6-1620-MW32A-20240725	7/25/24	1100	GW	HNO3, 8	6	X	X	X								
2	W6-1620-MW32B-20240726	7/26/24	1020			6	X	X	X								
3	W6-1620-MW68C-20240726	7/26/24	1140			6	X	X	X								
4	W6-1620-MW84B-20240726	7/26/24	1355			6	X	X	X								
5	W6-1620-MW89B-20240726	7/26/24	1515			6	X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Leon Rose	Dropoff	☒ STD 10 W. Days ☐ 5 W. Days ☐ 2 W. Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21
	7/26/24	1750		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
			7/26/24	17:30
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☐ Level II Std QC ☒ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SW846/CLP ☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page ____ of ____

COC ID: 320991

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterhuis	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92583	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Watzner	Invoice Attn	Accounts Payable	D	MS/MSD
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ericwatzner@aecom.com	e-Mail Address	arthur.gibson@aecom.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW13-20240729	7-29-24	0857	GW	1,2,8	6	X	X	X								
2	WG-1620-MW20A-20240729		0948			6	X	X	X								
3	WG-1620-MW15A-20240729		1049			6	X	X	X								
4	WG-1620-MW15C-20240729		1210			6	X	X	X								
5	WG-1620-MW15B-20240729		1311			6	X	X	X								
6	WG-1620-MW28-20240729		1418			6	X	X	X								
7	WG-1620-MW28A-20240729		1520			6	X	X	X								
8	WG-1620-MW28B-20240729		1638			18	X	X	X	X							
9	WG-1620-FB03-20240729		1700			6	X	X									
10	WG-1620-MW28C-20240730		0845	GW	1,2,8	6	X	X	X								

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Dominic Baptiste Dominic Baptiste	car. er	☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21
Dominic Baptiste	7/30/24			
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp. / QC Package: (Check One Box Below)
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page 1 of 2

COC ID: 320992

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (L))
Work Order		Project Number	1620-21-Rev0 SR 92693	B	8270_LOW_W (Semi Volatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Metzner	Invoice Attn	Accounts Payable	D	Vinyl Chloride (8260_W Select list)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3145	Fax		I	
e-Mail Address	emetzner@arsdurn.com	e-Mail Address	arthur.gibson@aecglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WA-1620-MW33A-20240729	7/29/24	835	GW	HNO3,B	6	X	X	X								
2	WG-1620-MW70C-20240729		920			6	X	X	X								
3	WG-1620-MW70B-20240729		1000			6	X	X	X	SR							
4	WG-1620-FD02-20240729		820			6	X	X	X	SR2							
5	WG-1620-MW33B-20240729		1105			6	X	X	X	X							
6	WG-1620-MW63B-20240729		1145			6	X	X	X								
7	WG-1620-MW68B-20240729		1405			6											
8	WG-1620-MW68A-20240729					6											
9	WG-1620-MW84A-20240729		1510			6	X	X	X								
10	WG-1620-MW71B-20240729	7/29/24	1610	GW	HNO3,B	6	X	X	X								

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Logan Kuss	Dropoff	☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWP W 1620-21
	7/30/24	1425		
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp. / QC Package: (Check One Box Below)
	7/30/24	1775		☐ Level II Std QC ☒ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SVAS/CLP ☐ Other
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page 2 of 2

COC ID: 320987

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (Semi Volatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- MP	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Weltzner	Invoice Attn	Accounts Payable	D	MS / MSD
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	eric.weltzner@wsp.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW87C-20240730	7/30/24	750	GW	HNO3,8	6	X	X	X								
2	WG-1620-MW28A-20240730		850			6	X	X	X								
3	WG-1620-MW28C-20240730		920			18	X	X	X	X							
4	WG-1620-MW91A-20240730		1040			6	X	X	X								
5	WG-1620-FD03-20240730		1045			6	X	X	X								
6	WG-1620-MW67B-20240730		1135			18	X	X	X	X							
7	WG-1620-TB01-20240730		1215			2	X										
8	WG-1620-MW27A-20240730		1430			6	X	X	X								
9	WG-1620-MW53C-20240730	7/30/24	1535	GW	HNO3,8	6	X	X	X								
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Leon Sayre	Drop off	☒ STD 10 W. Days ☐ 5 W. Days ☐ 3 W. Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HMP/W 1620-21
	7/30/24	1725		
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp. / QC Package: (Check One Box Below)
	7/30/24	1775		☐ Level II Std QC ☒ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ State/EDD/LIP ☐ Other
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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COC ID: 320983

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 926983	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Metzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	eric.metzner@wsp.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW78A-20240730	7-30-24	1000	GW	1,2,8	6	X	X	X							-	
2	WG-1620-MW78A-20240730		1130				X	X	X								
3	WG-1620-MW74B-20240730		1415				X	X	X								
4	~~WG-1620-MW60AR-20240730~~						~~X~~	~~X~~	~~X~~								
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Dominic Baptiste Dominic Baptiste	Courier	☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21
Dominic Baptiste	7/30/24	1500		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level II Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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South Charleston, WV +1 304 356 3168
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COC ID: 320982

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Fetterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (5))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- MP	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Watzner	Invoice Attn	Accounts Payable	D	MS/MSD
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0750	G	
Phone	(512) 671-3431	Phone		H	
Fax	(512) 671-3145	Fax		I	
e-Mail Address	ericwatzner@aecom.com	e-Mail Address	arthur.gibson@aecom.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW60A-20240730	7/30/24	1520	GW	1,7,8	6	X	X	X								
2	WG-1620-MW60B-20240730	↓	1653			6	X	X	X								
3	WG-1620-MW43C-20240731	7/31/24	0917			6	X	X	X								
4	WG-1620-MW59B-20240731		1018			6	X	X	X								
5	WG-1620-MW59A-20240731		1132			6	X	X	X								
6	WG-1620-MW65A-20240731		1253			6	X	X	X								
7	WG-1620-MW47A-20240731		1435			6	X	X	X								
8	WG-1620-MW61B-20240731		1550			6	X	X	X								
9	WG-1620-MW61A-20240731	↓	1640	↓	↓	18	X	X	X	X							
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
	Courier	☒ 10 to 15 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21		
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			☐ Level II (Std QC) ☒ TRRP Checklist ☐ Level III (Std QC+Forms) ☐ TRRP Level IV ☐ Level IV (SW846 CLP) ☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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COC ID: 320986

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (E))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3145	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW-36B-20240731	7/31/24	825	GW	HNO3,8	6	X	X	X								
2	WG-1620-MW-36A-20240731		920			6	X	X	X								
3	WG-1620-MW-SAB-20240731		1015			6	X	X	X								
4	WG-1620-MW-99C-20240731		1100			6	X	X	X								
5	WG-1620-~~MW~~ LSR FD04-20240731		830			6	X	X	X								
6	WG-1620-MW-SAC-20240731		1225			6	X	X	X								
7	WG-1620-~~MW~~ LSR FD05-20240731		1230			6	X	X	X								
8	~~WG-1620-FB04-20240731~~						~~X~~	X	X								
9	WG-1620-FB04-20240731		1500			6	X	X	X								
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Leon Sillon	Courier	☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour ☒	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21
	8/1/24	0800		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☐ Level II Std QC ☒ TRRP Checklist
		☐ Level III Std QC/Raw Data ☐ TRRP Level IV
		☐ Level IV SW846 CLP
		☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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COC ID: 320981

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (5260 Volatile Organics (6))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad-AP	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	Vinyl Chloride
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ericmatzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW17C-20240801	8-1-24	1006	GW	1,2,8	6	X	X	X	X							
2	WG-1620-MW17-20240801		1125				X	X	X								
3	WG-1620-MW19C-20240801		1400				X	X	X								
4	WG-1620-MW57C-20240801		1518				X	X	X								
5	WG-1620-MW57A-20240801		1623				X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Dominic Baptiste Dominic Baptiste	courier	☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hr #	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21	
Dominic Baptiste	8-2-24				
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ EDD/EDP Checklist
☐ EDD/EDP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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COC ID: 320565

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (6))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ericmatzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW44A-20240801	8/1/24	835	GW	HNO3,8	6	X	X	X								
2	WG-1620-MW95C-20240801	"	920	"	"	6	X	X	X								
3	WG-1620-MW34CR-20240801	"	1050	"	"	6	X	X	X								
4	WG-1620-MW41C-20240801	"	1155	"	"	6	X	X	X								
5	WG-1620-MW46C-20240801	"	1250	"	"	6	X	X	X								
6	WG-1620-MW72B-20240801	8/7/24	1330	GW	HNO3,8	6	X	X	X								
7							X	X	X								
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Leon St Rose	Courier	☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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COC ID: 320560

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (6))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@arsolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW36C-20240802	8-2-24	0932	GW	1,2,3	6	X	X	X								
2	WG-1620-MW49A-20240802	↓	1105	GW	↓	↓	X	X	X								
3	WG-1620-MW12B-20240802		1320	GW			X	X	X								
4	WG-1620-TW41B-20240802		1432	GW			X	X	X								
5	WG-1620-MW41B-20240802	↓	1530	GW	↓	↓	X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Dominic Baptiste Dominic Baptiste	Drop off	☐ STD 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 HR #	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HMPW 1620-21
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	QC Package: (Check One Box Below)

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

☐ Level I Std QC ☒ TRRP Checklist
☐ Level II Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

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COC ID: 058760

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR / Kevin Peterdius	Project Name	Houston TX Road Project Wells	A	8260-LL-W (8260 VOC)
Work Order		Project Number	1610-21-RMD SR 97683	B	8270-Low-W (SVOC selected ions) (29)
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad-AP	C	TCLP TN (ICP Arsenic)
Send Report To	Eric Waltzer	Invoice Attn	Accounts Payable	D	Vinyl Chloride
Address	16101 Smarket Expressway Suite 325D	Address	1400 Douglas Street Stop 0730	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0730	G	
Phone	512 671 3434	Phone		H	
Fax	512 671 3446	Fax		I	
e-Mail Address	Christen.vo@wsp.com	e-Mail Address	arthur.wilson@ul3gbbf.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW58A-20240802	8/2/24	845	GW	HNO3	6	X	X	X								
2	WG-1620-MW18A-20240802		1010			6	X	X	X	X							
3	WG-1620-MW18C-20240802		1130			6	X	X	X								
4	WG-1620-MW23C-20240802		1235			6	X	X	X								
5	WG-1620-P10-20240802		1415			6	X	X	X								
6	WG-1620-MW05-20240802	8/2/24	1510	GW	HNO3	6	X	X	X								
7	WG-1620-FB05-20240802	8/2/24	1530	W	—	2	X	X	X								
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Turnaround Time in Business Days (BD)	Results Due Date:
		☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD	

Relinquished by:	Date:	Time:	Received by:	Notes:
	8/2/24	1935		
Relinquished by:	Date:	Time:	Received by (Laboratory): GM 08/02/24	17:55
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
48185	5.0	☐ Level II Std QC ☐ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SW846/CLP ☐ Other
52526	1.8	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

IR#35

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COC ID: 320561

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Metzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	emetzner@arcadis.com	e-Mail Address	arthur.gibson@als-global.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW03-20240805	8-5-24	0924	GW	1,2,8	6	X	X	X								
2	WG-1620-MW04-20240805		1035	GW	1,2,8	6	X	X	X								
3	WG-1620-MW09-20240805		1218	GW	1,2,8	6	X	X	X								
4	WG-1620-MW21C-20240805		1330	GW	1,2,8	6	X	X	X								
5	WG-1620-FB01-20240805	↓	1340	GW	1,2,8	6	X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Dominic Baptiste Dom Baptiste	Car UP	☒ STD: 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21
Dominic Baptiste	8/6/24	1519		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

Page ___ of ___

COC ID: 320559

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX. 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@ansolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW95A-20240805	8/5/24	835	GW	HNO3, 8	6	X	X	X								
2	WG-1620-MW96B-20240805	"	940	"	"	6	X	X	X								
3	WG-1620-MW22BR-20240805	"	1035	"	"	6	X	X	X								
4	WG-1620-MW22AR-20240805	"	1115	"	"	6	X	X	X								
5	WG-1620-MW38A-20240805	"	1345	"	"	6	X	X	X								
6	WG-1620-MW38B-20240805	"	1445	"	"	6	X	X	X								
7	WG1620-FB07-20240805	8/5/24	1530	"	"	6	X	X	X								
8	WG-1620-MW36DS-20240806	8/6/24	1235	"	"	6	X	X	X								
9	WG-1620-FB08-20240806	8/6/24	1330	GW	HNO3, 8	6	X	X	X								
10																	

Sampler(s) Please Print & Sign: Leon Tabor

Shipment Method: Pickup

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 8-6-24	Time: 1515	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
- [ ] Level I Std QC
- [ ] Level II Std QC/Raw Data
- [ ] Level IV SW846 CLP
- [ ] Other
- [X] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Groundwater Sample Collection

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Project/Phase	314065850.016	**Equipment Decon**	☑ Dedicated equipment	**Depth to Water**	2.75 ft. BMP
Site Location	UPRR-Hwy 40-Silverthorne		☐ Decon between locations	**Casing Stickup**	2 ft.
Date	7/23/24	**Reference Point**	☑ Top of casing	☐ **Depth to Water**	2.75 ft. BGL
MW ID	MW01A	**Location**	Other _____	**Total MW Depth**	19.92 ft. BGL
Sample ID	UG-1620-MW01A-20240723	**Water Quality**		**MW Diameter**	4 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba U-5000	**MW Volume**	_____ gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**		**Pump Intake Depth**	_____ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
726		–	2.75	25.42	6.00	0.869	5.37	-60	7.8
730		1.00	3.00	25.43	6.02	0.941	3.34	-76	4.4
735		2.00	3.13	25.36	6.14	0.967	2.55	-93	2.6
740		3.00	3.16	25.30	6.17	0.967	2.31	-100	2.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
745	1 L	G	2	☐ filtered ☑ unfiltered	N/A	UG-1620-MW01A-20240723
750	1 L	G	2	☐ filtered ☑ unfiltered	N/A	UG-1620-FD02-20240723

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase		Equipment Decon	☒ Dedicated equipment	Depth to Water	3.01	ft. BMP
Site Location	4PRR-SWMU		☒ Decon between locations	Casing Stickup	2	ft.
Date	7/22/24 - 7/23/24	Reference Point	☒ Top of casing	☐ Depth to Water		ft. BGL
MW ID	MW-02	Location	Other	Total MW Depth	20.04	ft. BGL
Sample ID	WS-1620-MW02-20240722	Water Quality		MW Diameter	2	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume		gallons
	☒ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

	Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
7/22/24	1631		1.00	3.65	25.36	6.19	0.444	2.10	-61	22.9
7/22/24	1635	L	2.00	4.00	25.51	6.14	0.431	1.63	-62	24.3
7/23/24	~~0800~~		1.00	2.78	24.61	6.24	0.595	2.77	-65	17.4
	0805		2.50	3.90	24.16	6.12	0.445	1.74	-55	25.6
	0810		4.00	4.00	24.00	6.15	0.450	1.42	-59	22.7

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
815	1L	G	2	☐ filtered ☒ unfiltered		
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	3.47 ft. BMP
Site Location	UPRR-HWRW-SWMU		☒ Decon between locations	**Casing Stickup**	2 ft.
Date	7/22/24	**Reference Point**	☒ Top of casing	☐ **Depth to Water**	3.47 ft. BGL
MW ID	MW07 WS-1620-MW07-20240722	**Location**	Other _____	**Total MW Depth**	24.87 ft. BGL
Sample ID	↓	**Water Quality**		**MW Diameter**	4 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**	_____ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**	_____ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1245		—	3.70	2587	6.20	0.800	1.39	170	0.0
1250		1.00	3.72	2477	6.18	0.805	1.04	168	0.0
1255		2.00	3.73	2473	6.06	0.809	1.12	168	0.0

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1300	1L	G	2	☐ filtered ☒ unfiltered	—	SVOC
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	3140658.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	3.89	ft. BMP
Site Location	UPRR SWMU		☐ Decon between locations	Casing Stickup	2	ft.
Date	7/23/24	Reference Point	☑ Top of casing	☐ Depth to Water		ft. BGL
MW ID	MW-08	Location	Other	Total MW Depth	25.19	ft. BGL
Sample ID	WG-1020-MW08-20240723	Water Quality		MW Diameter	4	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume		gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
850		.50	4.15	24.65	6.30	0.706	1.77	62	0.0
855		1.20	4.52	24.64	6.40	0.715	1.02	66	0.0
900		2.00	4.55	24.69	6.42	0.714	0.99	67	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
905	1L	G	2	☐ filtered ☑ unfiltered		
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☑ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Sarkisian (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.006	Equipment Decon	☒ Dedicated equipment	Depth to Water	4.49	ft. BMP
Site Location	UFRR-Happy-SW mw		☒ Decon between locations	Casing Stickup	2	ft.
Date	7/22/24	Reference Point	☒ Top of casing	☐ Depth to Water		ft. BGL
MW ID	MW-10A	Location	Other	Total MW Depth	25.61	ft. BGL
Sample ID	UW6-1620-MW10A-20240722	Water Quality		MW Diameter	4	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume		gallons
	☒ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1531		—	4.57	26.02	6.38	0.902	11.01	2	0.0
1535		2.00	5.18	25.02	6.43	0.918	9.88	-20	0.0
1540		4.00	5.29	25.07	6.44	0.919	8.74	-52	0.0
1545		5.00	5.45	25.16	6.43	0.919	8.58	-59	0.0

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1550	1L	G	2	☐ filtered ☐ unfiltered	N/A	
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Logan Stalker (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	31406585.016	Equipment Decon	☒ Dedicated equipment	Depth to Water	4.62 ft. BMP
Site Location	4PRR-HWPW-SWMU		☐ Decon between locations	Casing Stickup	2 ft.
Date	7/22/24	Reference Point	☒ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-10B	Location	Other	Total MW Depth	46.45 ft. BGL
Sample ID	WG-16208-MW10B-20240722	Water Quality		MW Diameter	4 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1603		.75	4.62	26.53	6.44	0.997	1.04	-57	0.0
1607		2.00	5.34	25.80	6.43	1.03	0.63	-62	0.0
1610		2.90	5.65	25.44	6.46	1.03	0.57	-65	0.0
1615		3.50	5.90	25.26	6.45	1.04	0.54	-66	0.0

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1620	1 L	G	2	☐ filtered ☒ unfiltered	N/A	
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	2.34	ft. BMP
Site Location	UPR-HWPW-SWMU		☒ Decon between locations	**Casing Stickup**	2	ft.
Date	7/22/24	**Reference Point**	☒ Top of casing	☐ **Depth to Water**	2.34	ft. BGL
MW ID	P10	**Location**	Other _____	**Total MW Depth**	42.90	ft. BGL
Sample ID	WG-1620-P10-20240722	**Water Quality**		**MW Diameter**	2	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1210		—	3.52	26.92	6.13	0.945	1.09	138	5.8
1215		1.00	3.54	26.75	6.18	0.947	0.98	131	0.0
1220		1.50	3.52	26.46	6.25	0.946	0.90	93	0.0
1225		2.00	3.50	26.41	6.29	0.946	0.90	92	0.0

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1230	1 L	G Amber	2	☐ filtered ☒ unfiltered	—	SVOC
1235	1 L	G	2	☐ filtered ☒ unfiltered		WG-1620-FD01-20240722

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.78	ft. BMP
Site Location	HPRR-HwPW-SWMU		☒ Decon between locations	**Casing Stickup**		ft.
Date	7/22/24	**Reference Point**	☒ Top of casing	☐ **Depth to Water**	4.78	ft. BGL
MW ID	MW11A	**Location**	Other	**Total MW Depth**	24.10	ft. BGL
Sample ID	WG-1620-MW11A-20240722	**Water Quality**		**MW Diameter**	4	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	Horiba	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-5000	**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1450	5.10	.75	5.10	27.66	6.43	0.799	1.64	-9	0.0
1455	5.32	2.00	5.32	27.74	6.42	0.800	0.84	-8	0.0
1500	5.36	2.90	5.36	27.48	6.42	0.799	0.59	-9	0.0

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1505	1 L	G	2	☐ filtered ☒ unfiltered	N/A	
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose _____
name signature

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☒ Dedicated equipment	Depth to Water	3.89 ft. BMP
Site Location	HPFR-Hwy 40-Summit		☒ Decon between locations	Casing Stickup	2 ft.
Date	7/22/24	Reference Point	☒ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-11B	Location	Other	Total MW Depth	46.75 ft. BGL
Sample ID	WG-1620-MW11B-20240722	Water Quality		MW Diameter	4 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1423		<50	5.20	25.28	6.26	0.951	5.02	-121	0.0
1425		1.5	5.61	25.17	6.27	0.950	4.87	-123	0.0
1430		2.2	5.74	25.01	6.23	0.948	4.27	-123	0.0

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1435	1 L	G	2	☐ filtered ☒ unfiltered	NA	
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Strose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☐ Dedicated equipment	Depth to Water	3.79 ft. BMP
Site Location	LIRR-Slomu		☑ Decon between locations	Casing Stickup	2 ft.
Date	7/23/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	P-12	Location	Other	Total MW Depth	41.73 ft. BGL
Sample ID	WG-1620-P12-20240723	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
934	-	.50	3.79	25.49	6.53	1.02	3.95	112	0.0
937		1.00	4.35	25.12	6.59	1.04	3.51	117	0.0
940		2.00	4.40	25.04	6.63	1.04	3.40	119	0.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
945	1 L	G	2	☐ filtered ☑ unfiltered		
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Strose (name) _____ (signature)

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Chain of Custody Form

Page 1 of 1

COC ID: 320989

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (6))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	ATZ Site wide
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	BTZ Site wide
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	eric.matzner@wsp.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WS-1620-FB01-20240723	7/23/24	1015	GW	—	2		X		X	X						
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Leon St Rose	Carrier	☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hours	

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21
	7/25/24	0825		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846 LP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
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Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 058013

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	
Work Order		Project Number		B	
Company Name		Bill To Company		C	
Send Report To		Invoice Attn		D	
Address		Address		E	
				F	
City/State/Zip		City/State/Zip		G	
Phone		Phone		H	
Fax		Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Turnaround Time in Business Days (BD)	Results Due Date:
		☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD	

Relinquished by:	Date:	Time:	Received by:	Notes:
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☐ Level II Std QC ☐ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SW846/CLP ☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Chain of Custody Form

Page 1 of 2

COC ID: 057977

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Hoosac Tunnel Ventilation	A	ATS Site wide
Work Order		Project Number	1618-20 SR 92635	B	BTS Site wide
Company Name	HDR Callahan	Bill To Company	Union Pacific Railroad	C	
Send Report To	Eric Wagner & Manuel Higa	Invoice Attn	Accounts Payable A/P	D	
Address		Address	1400 Douglas St Stop 0750	E	
				F	
City/State/Zip		City/State/Zip		G	
Phone		Phone		H	
Fax		Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Hoosac PID 20220727	7/27/22	1730	GW	-	2	X	X									
2	Hoosac PID-20220727	7/27/22	1230	GW	-	2	X	X									
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Turnaround Time in Business Days (BD)	Results Due Date:
	Pickup	☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD	

Relinquished by:	Date:	Time:	Received by:	Notes:
	7/28/22	1345		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☐ Level II Std QC ☐ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SW846/CLP ☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Groundwater Sample Collection

WSP

Project/Phase	24065585.016	Equipment Decon	☐ Dedicated equipment	Depth to Water	81.20 ft. BMP
Site Location	UPR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/6/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-66D	Location	Other	Total MW Depth	103.15 ft. BGL
Sample ID	WB-66D-MW66D-20240906	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☑ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1500									
1505		.25	81.90	25.18	6.40	0.950	5.20	-31	933
1510		1.00	82.60	25.01	6.81	0.819	5.39	-31	795
1515		2.00	82.96	24.90	7.03	0.791	4.85	-24	662
1520		2.45	83.68	24.83	7.20	0.792	4.96	-12	500
1525		3.50	83.90	24.98	7.21	0.796	4.80	-4	438
1530		4.20		24.99	7.19	0.800	4.71	-1	365

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1535	120mL, 40mL, 1L	G, P	10	☑ filtered ☐ unfiltered	HNO3, HCl	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	3140585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	6.89 ft. BMP
Site Location	UPR-HW PW-Silencide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/6/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-98A	Location	Other	Total MW Depth	20.43 ft. BGL
Sample ID	WG-1620-MW98A-20240906	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1005									
1007		.45	7.62	26.40	6.02	1.71	0.99	-84	0.0
1012		2.00	7.81	26.70	6.00	2.12	0.88	-77	15.2
1017		3.00	7.81	26.75	5.95	2.11	0.87	-77	10.7
1022		4.00	7.86	26.74	5.94	2.08	0.85	-77	10.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1025	120mL, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3, HCL	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Liam St Rose (name) (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	314065 85.016	Equipment Decon	☐ Dedicated equipment	Depth to Water	6.85 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/16/24	Reference Point	☐ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-98B	Location	Other	Total MW Depth	39.79 ft. BGL
Sample ID	WG160-MW98B-20240916	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
924	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
926		.75	9.00	26.15	6.42	1.02	1.11	-126	4.6
930		1.25	9.73	26.11	6.42	1.02	1.06	-126	5.1
935		2.50	10.17	26.19	6.54	0.958	0.99	-129	0.8
940		4.00	13.12	26.16	6.57	0.949	1.00	-130	0.9
Purging was completed based on:	☑ Stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
945	120mL, 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3, HCl	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	3.57 ft. BMP
Site Location	UPRR-HWPW-Statewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/16/24	Reference Point	☐ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-77A	Location	Other	Total MW Depth	24.82 ft. BGL
Sample ID	WG-1620-MW77A-20240916	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
834									
836		.50	6.65	26.03	6.78	1.11	1.60	-115	6.0
841		1.40	7.01	26.33	6.31	1.11	1.51	-117	0.0
846		2.25	7.12	26.47	6.15	1.14	1.45	-117	0.0
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
850	125mL, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3, HCl	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose
name signature

Groundwater Sample Collection

Page 1 of 2

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	16.76 ft. BMP
Site Location	URF-HooPlo-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-26A47C	Location	Other	Total MW Depth	66.80 ft. BGL
Sample ID	WG-1620-MW-[illegible]20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time 443	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1445		1.80	17.30	27.18	6.45	0.316	1.08	-123	60.7
1450		1.90	17.29	27.19	6.64	0.201	1.07	-120	45.2
1455		2.25	17.27	26.98	6.62	0.178	1.10	-112	33.0
1500		3.00	17.25	26.93	6.58	0.166	1.07	-102	22.6
1505		3.90	17.24	26.92	6.54	0.155	1.02	-94	20.1
1510		4.80	17.24	26.99	6.50	0.154	0.98	-87	17.2

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1530	120mL, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3, HCl	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Sampson (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	16.76 ft. BMP
Site Location	UPR-thuPW-Sitewide		☑ Decon between locations	Casing Stickup	Flush ft.
Date	9/5/24	Reference Point	☐ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-47C	Location	Other	Total MW Depth	66.80 ft. BGL
Sample ID	DG-1606-MW47C-20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1515		5.00	17.24	27.18	6.50	0.152	0.89	-84	18.0
1520		5.25	17.24	27.8	6.50	0.151	0.88	-82	15.4
1									
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1530	120mL, 40mL, 1L	G, P	6	☑ filtered ☐ unfiltered	HNO3, HCl	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	3140585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	3.76 ft. BMP
Site Location	UPRR-HWPW-Site wide		☑ Decon between locations	Casing Stickup	Flush mount ft.
Date	9/5/24	Reference Point	☐ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-50A	Location	Other	Total MW Depth	24.98 ft. BGL
Sample ID	WA1620MW50A20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1402	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1405		1.50	4.42	29.89	9.79	0.374	0.84	-198	45.7
1410		1.75	4.96	28.90	9.90	0.390	0.79	-215	23.1
1415		2.50	4.97	28.32	9.82	0.289	0.80	-209	19.7
1420		3.50	4.98	28.36	9.44	0.269	0.81	-185	6.8

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1425	120mL, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3, HCl	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	5.78 ft. BMP
Site Location	URR - HWSW - sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-26A	Location	Other	Total MW Depth	24.50 ft. BGL
Sample ID	206-1620-MW26A-20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1329	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1334		1.00	5.93	26.88	6.28	0.842	2.42	-124	225
1340		2.50	5.94	26.40	6.19	0.908	1.86	-126	173
1345		3.00	5.93	26.35	6.16	0.894	1.66	-126	147
1350		4.00	5.93	26.33	6.02	1.14	1.46	-117	67.6
1355		4.95	5.93	26.29	5.98	1.19	1.31	-115	44.9
1400		5.25	5.92	26.42	5.97	1.26	1.28	-115	51.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1405	120mL, 40mL, 1L	G, P	6	☒ filtered ☐ unfiltered	HNO3, HCl	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) _____ (signature)

Groundwater Sample Collection

Project/Phase	31406038510 16	Equipment Decon	☐ Dedicated equipment	Depth to Water	7.50 ft. BMP
Site Location	UPRR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-25A	Location	Other	Total MW Depth	28.81 ft. BGL
Sample ID	UPRR-HWPW-MW25A-20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1156	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1158		.65	7.91	26.05	7.07	0.221	1.05	-185	25.3
1203		2.00	7.89	26.08	7.19	1.91	0.93	-193	14.7
1208		2.00	7.88	26.09	7.19	0.203	1.51	-198	8.9
1213		3.20	7.87	26.21	7.12	0.259	1.49	-197	3.8
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1215	120mL, 40mL, 1L	G/P	4	☐ filtered ☒ unfiltered	HNO3, HCl	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose
name

signature

Groundwater Sample Collection

Project/Phase	31406585.016	Equipment Decon	☐ Dedicated equipment	Depth to Water	14.61 ft. BMP
Site Location	UPAR-HWPW-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-25C	Location	Other	Total MW Depth	59.20 ft. BGL
Sample ID	WG-1620-MW25C-20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1110	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1113		.45	16.92	25.58	6.47	0.349	1.52	-67	15.0
1118		1.85	17.81	24.57	6.69	0.431	1.14	-123	13.0
1123		3.00	20.15	24.49	6.71	0.435	1.07	-139	14.8
1129		3.95	21.18	24.54	6.73	0.436	1.02	-153	17.8
1135		4.50	21.70	24.65	6.74	0.436	1.01	-157	16.2
Purging was completed based on:		☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)							

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1140	120 mL, 4oz, 1L	G, P	6	☒ filtered ☐ unfiltered	HNO3, HCl	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	3,406585.216	Equipment Decon	☑ Dedicated equipment	Depth to Water	19.85 ft. BMP
Site Location	UPRR-HWMU 3 Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-51C	Location	Other	Total MW Depth	72.84 ft. BGL
Sample ID	WG-1620-MW51C-20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U-52G	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
922									
924		1.00	19.97	25.94	7.03	0.195	2.10	-131	6.9
930		2.25	19.99	25.43	6.97	0.178	1.88	-158	4.4
935		2.75	20.02	25.13	6.90	0.167	1.71	-175	5.1
940		3.00	20.02	25.03	6.88	0.161	1.66	-192	3.5
945		3.50	20.03	24.98	6.86	0.159	1.68	-197	3.0

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
950	120mL, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3, HCl	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	324065850.016	Equipment Decon	☐ Dedicated equipment	Depth to Water	8.77 ft. BMP
Site Location	UPRR-Hughes-Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/5/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-80B	Location	Other	Total MW Depth	34.63 ft. BGL
Sample ID	GW-1620-MW80B-20240905	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	U5000	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
817	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
820		1.00	10.96	27.10	6.08	0.333	4.41	130	22.2
825		2.00	12.35	26.88	6.40	0.309	4.25	108	11.9
830		3.00	13.22	26.95	6.82	0.303	4.13	88	4.0
835		4.00	14.29	26.96	7.08	0.301	4.14	75	2.3

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
840	120mL, 40mL, 1L	G, P	6	☐ filtered ☒ unfiltered	HNO3, HCl	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

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Project/Phase	324063S5.01.01	Equipment Decon	☑ Dedicated equipment	Depth to Water	6.81	ft. BMP
Site Location	HPRR-Hyd-MW-3A-wide GW		☑ Decon between locations	Casing Stickup	2	ft.
Date	9/4/24	Reference Point	☑ Top of casing	☐ Depth to Water		ft. BGL
MW ID	~~WG-1620-MW~~ 04A	Location	Other	Total MW Depth	22.20	ft. BGL
Sample ID	WG-1620-MW04A-20240904	Water Quality		MW Diameter	1 ~~2~~	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba U52000	MW Volume		gallons
	☑ Peristaltic ☐ Bladder	Unit Number	C1236	Pump Intake Depth		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1410	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1415		.50		25.49	6.55	1.33	2.43	-72	16.4
1420		1.75		25.13	6.53	1.32	2.33	-61	7.5
1425		2.80		23.83	6.51	1.28	2.40	-57	6.8
1430		3.95		23.78	6.51	1.28	2.38	-50	7.1

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1435	120mL, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3, HCL	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon Stroke (name) (signature)

Groundwater Sample Collection

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Project/Phase	3140658S.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	7.25 ft. BMP
Site Location	UPRR-HWPW-Sidewide		☑ Decon between locations	Casing Stickup	2 ft.
Date	9/4/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-42 62B	Location	Other	Total MW Depth	35.15 ft. BGL
Sample ID	WG-1620-MW62B-20240904	Water Quality	U-50000	MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba C12336	MW Volume	gallons
	☑ Peristaltic ☐ Bladder	Unit Number	C12336	Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
1250	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1254		2.00	7.78	23.14	6.35	1.13	5.93	-72	58.9
1302		3.00	7.65	23.04	6.62	1.15	5.75	-108	41.9
1308		4.75	7.60	22.98	6.64	1.14	5.63	-110	25.1
1313		5.50	7.59	23.00	6.65	1.13	5.54	-109	20.0
1318		6.00	7.58	22.93	6.64	1.12	5.51	-109	16.7

Purging was completed based on: ☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1320	120mL, 40mL, 1L	GP	6	☑ filtered ☐ unfiltered	HNO3, HCl	VOC, SVOC, metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

Groundwater Sample Collection

Page 1 of 1

Project/Phase	31406585.016	Equipment Decon	☑ Dedicated equipment	Depth to Water	21.89 ft. BMP
Site Location	UPRR: Hwy 50 - Sitewide		☑ Decon between locations	Casing Stickup	Flushmount ft.
Date	9/6/24	Reference Point	☑ Top of casing	☐ Depth to Water	ft. BGL
MW ID	MW-85C	Location	Other	Total MW Depth	69.95 ft. BGL
Sample ID	0906-MW-MW85C-20240906	Water Quality		MW Diameter	2 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	Horiba	MW Volume	water color gallons
	☑ Peristaltic ☐ Bladder	Unit Number		Pump Intake Depth	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
750	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
755		1.50	22.31	25.66	8.69	1.40	2.12	-68	10.7
800		2.50	22.38	25.53	8.94	1.39	2.06	-85	10.5
805		3.25	22.47	25.57	8.98	1.38	1.95	-98	8.6
810		4.00	22.49	25.59	9.03	1.38	1.80	-109	6.7
Purging was completed based on:	☑ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
815	120mL, 40mL, 1L	G, P	6	☐ filtered ☑ unfiltered	HNO3, HCl	VOC, SVOC, Metals
				☐ filtered ☐ unfiltered		

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader Leon St Rose (name) (signature)

ATTACHMENT B

Data Usability Summary and Analytical Reports from 2nd Semi-Annual 2024 Sampling Event

Data Validation Report

November 22, 2024

To	Matt Wickham (matthew.wickham@wsp.com)	**Project No.**	12653513 (06.1620)
Copy to	Jesse Orth, Julie Lidstone	**DVR No.**	26
From	Chris G. Knight/eew	**Contact No.**	512-777-5833
Project Name	UPRR - Various Data Mgmt	**Email**	christopher.knight@ghd.com
Subject	Data Usability Summary HWPW - Semiannual Site-Wide Monitoring Union Pacific Railroad (UPRR)/Houston TX-Wood Preserving Works Houston, Texas July-September 2024		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Scope of Data Usability Summary

This document details a Data Usability Summary (DUS) of analytical results for samples collected in support of the HWPW - Semiannual Site-Wide Monitoring at the UPRR/Houston TX-Wood Preserving Works site during July-September 2024. Samples were submitted to ALS Global (ALS), located in Houston, Texas and are reported in the following data packages: HS24071470, HS24071566, HS24071691, HS24071816, HS24071855, HS24080003, HS24080208, HS24080318, HS24080337, HS24080439, HS24080441, and HS24090328. ALS subcontracted some volatile organic compounds (VOCs) analyses to Eurofins Environment Testing (Eurofins), located in Stafford, Texas. These data are reported in the following data packages: 860-80414-1 (embedded in HS24080318), 860-80415-1 (embedded in HS24080441), 860-80416-1 (embedded in HS24080337), and 860-80417-1 (embedded in HS24080439). The intended use of the data is to support the HWPW - Semiannual Site-Wide Monitoring at the site by providing current concentrations of chemicals of concern.

Data were reviewed and validated by Chris G. Knight of GHD Services Inc. (GHD)., in accordance with Title 30 of the Texas Risk Reduction Program (TRRP) Texas Administrative Code Section 350.54 (30 TAC 350.54) as described in the Texas Commission on Environmental Quality (TCEQ) Regulatory Guidance document entitled "Review and Reporting of COC Concentration Data under TRRP", (RG-366/TRRP-13), revised May 2010, herein referred to as "TRRP-13 Guidance". Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spikes (MS)/duplicate analyses, field quality assurance/quality control (QA/QC) samples, the laboratory review checklist (LRC), and the laboratory exception reports (ER).

A sample collection and analysis summary are presented in Table 1. This summary provides a cross reference of field sample identification numbers and location identification. Each sample is assigned a unique field identification number.

The validated sample results are presented in Table 2. A summary of the analytical methodology is presented in Table 3. Each data packages includes a cross-reference list of field sample identifications to laboratory sample designations.

2. Laboratory Qualifications

ALS's quality assurance program is consistent with the quality standards outlined in the National Environmental Laboratory Accreditation Program (NELAP). This laboratory was accredited under Texas Certification number # T104704231 at the time the analysis was performed, and the certificate is included in Attachment A.

Eurofins's quality assurance program is consistent with the quality standards outlined in the National Environmental Laboratory Accreditation Program (NELAP). This laboratory was accredited under Texas Certification number # T104704215 at the time the analysis was performed, and the certificate is included in Attachment A.

3. Project Objectives

3.1 Sampling/Analytical QA/QC Objectives

The QA/QC program was designed to identify contamination resulting from the sampling, sample transport and analytical process through the analysis of a trip blank sample, field blank samples, field duplicate sample sets, and method blanks. The QA/QC program was designed to evaluate the quality of the resulting data with respect to bias and precision through analysis of LCS, MS, and duplicate analyses.

4. Data Review/Validation Results

4.1 Sample Holding Time and Preservation

Samples were shipped with chains of custody and the paperwork was filled out properly with the following exceptions:

i.) HS24080003: A trip blank sample was submitted but was not included on the chain of custody. The laboratory logged this sample in as WG-1620-TB01-20240730 for volatile organic compounds (VOCs) analysis. No further action was required.

ii.) HS24080208, HS24080208: Trip blank samples were submitted but were not included on the chain of custody and placed on hold. No further action was required.

iii.) HS24080318: WG-1620-FB05-20240802 was submitted with six sample containers but the chain of custody listed two sample containers. No further action was required.

iv.) HS24080318: WG-1620-FB05-20240802 was submitted with six sample containers but the chain of custody listed two sample containers. No further action was required.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C). Sample chain of custody documents and analytical reports were used to determine sample holding times. Most samples were prepared and analyzed within the required holding times. The following holding time exceedance was noted (see Table 4):

i.) WG-1620-MW32B-20240726 was re-analyzed outside of the established holding time for VOCs due to laboratory QA/QC failures in the initial analysis. All associated sample results were qualified as estimated; biased low (JL).

4.2 Sample Containers

Sample containers used were certified pre-cleaned glass and plastic containers provided by the laboratory. These containers meet or exceed analyte specifications established in the United States Environmental Protection Agency (USEPA) *Specifications and Guidance for Contaminant-Free Sample Containers*.

4.3 Calibrations

According to the LRC, initial calibration and continuing calibration data met the criteria for the selected methods.

4.4 Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures. As these were not discrete samples handled in the field, these blanks are not listed on the sample identification cross-reference- list found in the data packages.

For this summary, laboratory method blanks were analyzed at a minimum frequency of one per analytical batch and results are reported in the laboratory data packages.

Most method blank results were non-detect or below the method quantitation limit (MQL), indicating that laboratory contamination was not a factor for this investigation. The following detections were noted:

i.) Three method blanks were reported with low-level detections for methylene chloride. All associated sample results were non-detect and were not affected. No further action was required.

4.5 Internal Standard and Surrogate Spike Recoveries

Recoveries of internal standards are addressed in the LRC of the data packages. Most internal standard recoveries associated with the compounds of interest were acceptable per the LRC. The following outliers were noted (see Table 5):

i.) The following samples were reported with one or more semi-volatile organic compounds (SVOCs) internal standards recovered at less than fifty percent: WG-1620-FD04-20240731, WG-1620-MW39B-20240726, WG-1620-MW40B-20240726, WG-1620-MW-54B-20240731, WG-1620-MW-54C-20240731, WG-1620-MW75B-2024072, and WG-1620-MW-99C-2024073. The samples were re-analyzed with similar results indicating a sample matrix interference. All associated sample results were qualified as estimated (J)

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organic determinations are spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices. The recovery ranges established by the laboratory are adopted as the acceptance criteria for the project. Each individual surrogate compound is expected to meet the laboratory control limits. According to the TRRP-13 Guidelines, one outlying surrogate is acceptable for methods with multiple surrogate spike compounds if the recovery is at least ten percent.

Surrogate recoveries were assessed against laboratory control limits and/or the guidance in TRRP-13. Samples analyzed at elevated sample dilutions (five times or greater) were not assessed. Most surrogate recoveries met the above criteria. The following outliers were noted (see Table 6):

i.) WG-1620-MW28C-20240730 was reported with multiple low surrogate recoveries for SVOCs analysis. Associated detected sample results were qualified as estimated; biased low (JL). Associated non-detect sample results were rejected (R) due to recoveries of less than ten percent.

4.6 Laboratory Control Sample Analyses

LCS or LCS/laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision. The recovery ranges established by the laboratory are adopted as the acceptance criteria for the project.

For this summary, LCS or LCS/LCSD were analyzed at a minimum frequency of one per analytical batch.

The LCS or LCS/LCSD contained all analytes of interest. Most LCS or LCS/LCSD recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision (where applicable). The following outlier was noted (see Table 7):

i.) An LCS/LCSD was reported with an elevated RPD for 4-nitrophenol. Associated non-detect sample results would not be affected by the indicated variability. No further action was required. An associated detected sample result was qualified as estimated (J).

4.7 Matrix Spike Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analytes of concern and analyzed as MS or MS/matrix spike duplicate (MSD) samples. The RPD between the MS and MSD is used to assess analytical precision.

MS or MS/MSD analyses were performed as specified in Table 1. The recovery ranges established by the laboratory are adopted as the acceptance criteria for the project.

The MS or MS/MSD samples were spiked with all compounds of interest. Most percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and/or precision (where applicable). The following outliers were noted:

i.) An MS/MSD was reported with low recoveries and/or elevated RPDs for various SVOCs due to elevated sample dilutions and was not assessed. No further action was required.

ii.) An MS/MSD was reported with elevated RPDs for di-n-butyl phthalate and fluoranthene. Both associated sample results were non-detect and were not affected by the indicated variability.

The laboratory also performed additional MS/MSD analyses on non-site samples. These cannot be used to assess accuracy and precision for the site samples.

4.8 Duplicate Sample Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this summary, duplicate samples were prepared and analyzed for arsenic analysis and were performed as specified in Table 1. The relative percent differences (RPD) established by the laboratory are adopted as the acceptance criteria for the project.

All duplicate analyses performed met the above criteria demonstrating acceptable analytical precision.

The laboratory also performed additional duplicate analyses on non-site samples. These cannot be used to assess precision for the site samples.

4.9 Field QA/QC Samples

The field QA/QC consisted of one trip blank sample, eleven field blank samples, and five field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank sample was submitted to the laboratory for VOCs analysis. All results were non-detect for the compounds of interest.

Field Blank Sample Analysis

To assess ambient conditions at the site, eleven field blank samples were submitted for analysis, as identified in Table 1. Most results were non-detect for the analytes of interest. The following detections were noted (see Table 8):

i.) WG-1620-FB06-20240805 was reported with the following detections: di-n-butylphthalate (DBP), naphthalene, phenanthrene, and arsenic. Associated sample results that were significantly greater in concentrations than the field blank detections or were non-detect were not affected. No further actions were required. Associated sample results that were similar in concentration to the field blank detections were qualified as non-detect.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, five field duplicate sample sets were collected and submitted to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than thirty percent for water samples. The RPDs are only used when sample concentrations are above the estimated regions of detection.

Field duplicate summary data are presented in Table 2. Most field duplicate results met the above criteria demonstrating acceptable sampling and analytical precision. The following outliers were noted (see Table 9):

i.) WG-1620-MW83B-20240724 and WG-1620-FD01-20240724 showed variability in several VOCs and SVOCs results. All associated sample results were qualified as estimated.

ii.) WG-1620-MW33A-20240729 and WG-1620-FD02-20240729 showed variability in several SVOCs and all associated sample results were qualified as estimated.

iii.) WG-1620-MW91A-20240730 and WG-1620-FD03-20240730 showed variability in several SVOCs and all associated sample results were qualified as estimated.

iv.) WG-1620-MW-36B-20240731 and WG-1620-FD04-20240731 showed variability in several SVOCs and all associated sample results were qualified as estimated.

v.) WG-1620-MW-54C-20240731 and WG-1620-FD05-20240731 showed variability in several SVOCs and all associated sample results were qualified as estimated.

4.10 Field Procedures

WSP USA, Inc. collected groundwater samples in accordance with their Standard Operating Procedures (SOP) for sample collection.

4.11 Analyte Reporting

The laboratory reported detected results for each analyte down to the sample detection limit (SDL), which is defined as the method detection limit (MDL) with sample-specific adjustments for dilutions, aliquot size, volumes, etc. Positive analyte detections less than the MQL but greater than the SDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this report.

i.) Multiple samples were analyzes at elevated sample dilutions for VOCs and/or SVOCs analyses due to a high level of matrix interference in the sample or sample extract and/or high concentrations of target and/or non-target analytes resulting in elevated reporting limits. No further action was required.

All detectability check standard (DCS) results supported the laboratory MDLs.

5. Conclusion

Based on the assessment detailed in the foregoing, the analytical data summarized in Table 2 are usable for the purpose of supporting the HWPW - Semiannual Site-Wide Monitoring at the site with the specific exceptions and qualifications noted herein.

Regards



Chris G. Knight
NA Environmental – Mid-Con / Chemistry Data Validator / Analytical Coordinator / Team Lead

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
HS24071470	WG-1620-MW76C-20240724	MW-76C	Water	07/24/2024	14:27	X	X	X	
	WG-1620-MW76B-20240724	MW-76B	Water	07/24/2024	15:43	X	X	X	
	WG-1620-MW97A-20240724	MW-97A	Water	07/24/2024	17:00	X	X	X	
HS24071566	WG-1620-MW94A-20240724	MW-94A	Water	07/24/2024	08:30	X	X	X	
	WG-1620-MW82B-20240724	MW-82B	Water	07/24/2024	09:15	X	X	X	
	WG-1620-MW93B-20240724	MW-93B	Water	07/24/2024	10:00	X	X	X	
	WG-1620-MW92B-20240724	MW-92B	Water	07/24/2024	10:55	X	X	X	
	WG-1620-MW83C-20240724	MW-83C	Water	07/24/2024	13:15	X	X	X	
	WG-1620-MW83B-20240724	MW-83B	Water	07/24/2024	13:45	X	X	X	
	WG-1620-FD01-20240724	MW-83B	Water	07/24/2024	13:50	X	X	X	Field duplicate of MW-83B
	WG-1620-MW35B-20240724	MW-35B	Water	07/24/2024	15:00	X	X	X	
	WG-1620-MW35A-20240724	MW-35A	Water	07/24/2024	15:30	X	X	X	
	WG-1620-FB01-20240724	-	Water	07/24/2024	16:45	X	X	X	Field Blank
HS24071691	WG-1620-MW40B-20240726	MW-40B	Water	07/26/2024	10:15	X	X	X	
	WG-1620-MW32B-20240726	MW-32B	Water	07/26/2024	10:20	X	X	X	
	WG-1620-MW75B-20240725	MW-75B	Water	07/25/2024	10:30	X	X	X	
	WG-1620-MW32AR-20240725	MW-32AR	Water	07/25/2024	11:00	X	X	X	
	WG-1620-MW68C-20240726	MW-68C	Water	07/26/2024	11:40	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
HS24071691	WG-1620-MW14-20240726	MW-14	Water	07/26/2024	12:00	X	X	X	
	WG-1620-MW50B-20240725	MW-50B	Water	07/25/2024	12:40	X	X	X	
	WG-1620-MW12A-20240726	MW-12A	Water	07/26/2024	13:35	X	X	X	
	WG-1620-MW81B-20240725	MW-81B	Water	07/25/2024	13:53	X	X	X	
	WG-1620-MW84B-20240726	MW-84B	Water	07/26/2024	13:55	X	X	X	
	WG-1620-MW12C-20240726	MW-12C	Water	07/26/2024	15:08	X	X	X	
	WG-1620-MW89B-20240726	MW-89B	Water	07/26/2024	15:15	X	X	X	
	WG-1620-MW51A-20240725	MW-51A	Water	07/25/2024	15:30	X	X	X	
	WG-1620-MW39B-20240726	MW-39B	Water	07/26/2024	16:35	X	X	X	
	WG-1620-FB02-20240726	-	Water	07/26/2024	16:45	X	X	X	Field Blank
HS24071816	WG-1620-MW87C-20240730	MW-87C	Water	07/30/2024	07:50	X	X	X	
	WG-1620-MW33A-20240729	MW-33A	Water	07/29/2024	08:35	X	X	X	
	WG-1620-FD02-20240729	MW-33A	Water	07/29/2024	08:40	X	X	X	Field duplicate of MW-33A
	WG-1620-MW28A-20240730	MW-28A	Water	07/30/2024	08:50	X	X	X	
	WG-1620-MW28C-20240730	MW-28C	Water	07/30/2024	09:20	X	X	X	
	WG-1620-MW70C-20240729	MW-70C	Water	07/29/2024	09:20	X	X	X	
	WG-1620-MW70B-20240729	MW-70B	Water	07/29/2024	10:00	X	X	X	
	WG-1620-MW91A-20240730	MW-91A	Water	07/30/2024	10:40	X	X	X	
	WG-1620-FD03-20240730	MW-91A	Water	07/30/2024	10:45	X	X	X	Field duplicate of MW-91A

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
HS24071816	WG-1620-MW33BR-20240729	MW-33BR	Water	07/29/2024	11:05	X	X	X	
	WG-1620-MW67B-20240730	MW-67B	Water	07/30/2024	11:35	X	X	X	
	WG-1620-MW63B-20240729	MW-63B	Water	07/29/2024	11:45	X	X	X	
	WG-1620-MW68B-20240729	MW-68B	Water	07/29/2024	13:05	X	X	X	
	WG-1620-MW68A-20240729	MW-68A	Water	07/29/2024	14:05	X	X	X	
	WG-1620-MW27A-20240730	MW-27A	Water	07/30/2024	14:30	X	X	X	
	WG-1620-MW84A-20240729	MW-84A	Water	07/29/2024	15:10	X	X	X	
	WG-1620-MW53C-20240730	MW-53C	Water	07/30/2024	15:35	X	X	X	
	WG-1620-MW71B-20240729	MW-71B	Water	07/29/2024	16:10	X	X	X	
	WG-1620-TB01-20240730	-	Water	07/30/2024	-	X			Trip Blank
HS24071855	WG-1620-MW78A-20240730	MW-78A	Water	07/30/2024	10:00	X	X	X	
	WG-1620-MW79A-20240730	MW-79A	Water	07/30/2024	11:30	X	X	X	
	WG-1620-MW74B-20240730	MW-74B	Water	07/30/2024	14:15	X	X	X	
HS24080003	WG-1620-MW13-20240729	MW-13	Water	07/29/2024	08:38	X	X	X	
	WG-1620-MW88C-20240730	MW-88C	Water	07/29/2024	08:45	X	X	X	
	WG-1620-MW20A-20240729	MW-20A	Water	07/29/2024	09:48	X	X	X	
	WG-1620-MW15A-20240729	MW-15A	Water	07/29/2024	10:49	X	X	X	
	WG-1620-MW15C-20240729	MW-15C	Water	07/29/2024	12:10	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
HS24080003	WG-1620-MW15B-20240729	MW-15B	Water	07/29/2024	13:11	X	X	X	
	WG-1620-MW42B-20240729	MW-42B	Water	07/29/2024	14:18	X	X	X	
	WG-1620-MW88A-20240729	MW-88A	Water	07/29/2024	15:20	X	X	X	
	WG-1620-MW88B-20240729	MW-88B	Water	07/29/2024	16:38		X	X	
	WG-1620-FB03-20240729	-	Water	07/29/2024	17:00	X	X	X	Field Blank
HS24080208	WG-1620-MW-36B-20240731	MW-36B	Water	07/31/2024	08:25	X	X	X	
	WG-1620-FD04-20240731	MW-36B	Water	07/31/2024	08:30	X	X	X	Field duplicate of MW-36B
	WG-1620-MW48C-20240730	MW-48C	Water	07/31/2024	09:17	X	X	X	
	WG-1620-MW-36A-20240731	MW-36A	Water	07/31/2024	09:20	X	X	X	
	WG-1620-MW-54B-20240731	MW-54B	Water	07/31/2024	10:15	X	X	X	
	WG-1620-MW59B-20240730	MW-59B	Water	07/31/2024	10:18	X	X	X	
	WG-1620-MW-99C-20240731	MW-99C	Water	07/31/2024	11:00	X	X	X	
	WG-1620-MW59A-20240731	MW-59A	Water	07/31/2024	11:32	X	X	X	
	WG-1620-MW-54C-20240731	MW-54C	Water	07/31/2024	12:25	X	X	X	
	WG-1620-FD05-20240731	MW-54C	Water	07/31/2024	12:30	X	X	X	Field duplicate of MW-54C
	WG-1620-MW69A-20240731	MW-69A	Water	07/31/2024	12:53	X	X	X	
	WG-1620-MW47A-20240731	MW-47A	Water	07/31/2024	14:35	X	X	X	
	WG-1620-FB04-20240731	-	Water	07/31/2024	15:00	X	X	X	Field Blank
	WG-1620-MW60AR-20240730	MW-60AR	Water	07/30/2024	15:20	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
HS24080208	WG-1620-MW61B-20240731	MW-61B	Water	07/31/2024	15:50	X	X	X	
	WG-1620-MW61A-20240731	MW-61A	Water	07/31/2024	16:40	X	X	X	
	WG-1620-MW60B-20240730	MW-60B	Water	07/30/2024	16:53	X	X	X	
HS24080318	WG-1620-MW58A-20240802	MW-58A	Water	08/02/2024	08:45		X	X	
	WG-1620-MW86C-20240802	MW-86C	Water	08/02/2024	09:32		X	X	
	WG-1620-MW18A-20240802	MW-18A	Water	08/02/2024	10:10		X	X	
	WG-1620-MW49A-20240802	MW-49A	Water	08/02/2024	11:05		X	X	
	WG-1620-MW18C-20240802	MW-18C	Water	08/02/2024	11:30		X	X	
	WG-1620-MW23C-20240802	MW-23C	Water	08/02/2024	12:35		X	X	
	WG-1620-MW12B-20240802	MW-12B	Water	08/02/2024	13:20		X	X	
	WG-1620-P11-20240802	P-11	Water	08/02/2024	14:25		X	X	
	WG-1620-TW41B-20240802	TW-41B	Water	08/02/2024	14:32		X	X	
	WG-1620-MW05-20240802	MW-05	Water	08/02/2024	15:10		X	X	
	WG-1620-FB05-20240802	-	Water	08/02/2024	15:30		X	X	Field Blank
	WG-1620-MW41B-20240802	MW-41B	Water	08/02/2024	15:30		X	X	
860804141	WG-1620-MW58A-20240802	MW-58A	Water	08/02/2024	08:45	X			
	WG-1620-MW86C-20240802	MW-86C	Water	08/02/2024	09:32	X			
	WG-1620-MW18A-20240802	MW-18A	Water	08/02/2024	10:10	X			

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
860804141	WG-1620-MW49A-20240802	MW-49A	Water	08/02/2024	11:05	X			
	WG-1620-MW18C-20240802	MW-18C	Water	08/02/2024	11:30	X			
	WG-1620-MW23C-20240802	MW-23C	Water	08/02/2024	12:35	X			
	WG-1620-MW12B-20240802	MW-12B	Water	08/02/2024	13:20	X			
	WG-1620-P11-20240802	P-11	Water	08/02/2024	14:25	X			
	WG-1620-TW41B-20240802	TW-41B	Water	08/02/2024	14:32	X			
	WG-1620-MW05-20240802	MW-05	Water	08/02/2024	15:10	X			
	WG-1620-FB05-20240802	-	Water	08/02/2024	15:30	X			Field Blank
	WG-1620-MW41B-20240802	MW-41B	Water	08/02/2024	15:30	X			
HS24080337	WG-1620-MW44A-20240801	MW-44A	Water	08/01/2024	08:35		X	X	
	WG-1620-MW45C-20240801	MW-45C	Water	08/01/2024	09:20		X	X	
	WG-1620-MW17C-20240801	MW-17C	Water	08/01/2024	10:06		X	X	
	WG-1620-MW34CR-20240801	MW-34CR	Water	08/01/2024	10:50		X	X	
	WG-1620-MW17-20240801	MW-17	Water	08/01/2024	11:25		X	X	
	WG-1620-MW44C-20240801	MW-44C	Water	08/01/2024	11:55		X	X	
	WG-1620-MW46C-20240801	MW-46C	Water	08/01/2024	12:50		X	X	
	WG-1620-MW19C-20240801	MW-19C	Water	08/01/2024	14:00		X	X	
	WG-1620-MW57B-20240801	MW-57B	Water	08/01/2024	15:18		X	X	
	WG-1620-MW72B-20240801	MW-72B	Water	08/01/2024	15:30		X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
HS24080337	WG-1620-MW57A-20240801	MW-57A	Water	08/01/2024	16:23		X	X	
860804161	WG-1620-MW44A-20240801	MW-44A	Water	08/01/2024	08:35	X			
	WG-1620-MW45C-20240801	MW-45C	Water	08/01/2024	09:20	X			
	WG-1620-MW17C-20240801	MW-17	Water	08/01/2024	10:06	X			
	WG-1620-MW34CR-20240801	MW-34CR	Water	08/01/2024	10:50	X			
	WG-1620-MW17-20240801	MW-17	Water	08/01/2024	11:25	X			
	WG-1620-MW44C-20240801	MW-44C	Water	08/01/2024	11:55	X			
	WG-1620-MW46C-20240801	MW-46C	Water	08/01/2024	12:50	X			
	WG-1620-MW19C-20240801	MW-19C	Water	08/01/2024	14:00	X			
	WG-1620-MW57B-20240801	MW-57B	Water	08/01/2024	15:18	X			
	WG-1620-MW72B-20240801	MW-72B	Water	08/01/2024	15:30	X			
	WG-1620-MW57A-20240801	MW-57A	Water	08/01/2024	16:23	X			
HS24080439	WG-1620-MW95A-20240805	MW-95A	Water	08/05/2024	08:35		X	X	
	WG-1620-MW96B-20240805	MW-96B	Water	08/05/2024	09:40		X	X	
	WG-1620-MW22BR-20240805	MW-22BR	Water	08/05/2024	10:35		X	X	
	WG-1620-MW22AR-20240805	MW-22AR	Water	08/05/2024	11:15		X	X	
	WG-1620-MW36D-20240805	MW-36D	Water	08/06/2024	12:35		X	X	
	WG-1620-FB08-20240805	-	Water	08/06/2024	13:30		X	X	Field Blank

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
HS24080439	WG-1620-MW38A-20240805	MW-38A	Water	08/05/2024	13:45		X	X	
	WG-1620-MW38B-20240805	MW-38B	Water	08/05/2024	14:45		X	X	
	WG-1620-FB07-20240805	-	Water	08/05/2024	15:30		X	X	Field Blank
860804171	WG-1620-MW95A-20240805	MW-95A	Water	08/05/2024	08:35	X			
	WG-1620-MW96B-20240805	MW-96B	Water	08/05/2024	09:40	X			
	WG-1620-MW22BR-20240805	MW-22BR	Water	08/05/2024	10:35	X			
	WG-1620-MW22AR-20240805	MW-22AR	Water	08/05/2024	11:15	X			
	WG-1620-MW36D-20240805	MW-36D	Water	08/05/2024	12:35	X			
	WG-1620-FB08-20240805	-	Water	08/05/2024	13:30	X			Field Blank
	WG-1620-MW38A-20240805	MW-38A	Water	08/05/2024	13:45	X			
	WG-1620-MW38B-20240805	MW-38B	Water	08/05/2024	14:45	X			
	WG-1620-FB07-20240805	-	Water	08/05/2024	15:30	X			Field Blank
HS24080441	WG-1620-MW03-20240805	MW-03	Water	08/05/2024	09:24		X	X	
	WG-1620-MW04-20240805	MW-04	Water	08/05/2024	10:38		X	X	
	WG-1620-MW09-20240805	MW-09	Water	08/05/2024	12:18		X	X	
	WG-1620-MW21C-20240805	MW-21C	Water	08/05/2024	13:30		X	X	
	WG-1620-FB06-20240805	-	Water	08/05/2024	13:40		X	X	Field Blank

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

						Analysis/Parameters			
Laboratory Data Package	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
860804151	WG-1620-MW03-20240805	MW-03	Water	08/05/2024	09:24	X			
	WG-1620-MW04-20240805	MW-04	Water	08/05/2024	10:38	X			
	WG-1620-MW09-20240805	MW-09	Water	08/05/2024	12:18	X			
	WG-1620-MW21C-20240805	MW-21C	Water	08/05/2024	13:30	X			
	WG-1620-FB06-20240805	-	Water	08/05/2024	13:40	X			Field Blank
HS24090328	WG-1620-MW80B-20240905	MW-80B	Water	09/05/2024	08:40	X	X	X	
	WG-1620-MW77A-20240906	MW-77A	Water	09/06/2024	08:50	X	X	X	
	WG-1620-MW98B-20240906	MW-98B	Water	09/06/2024	09:45	X	X	X	
	WG-1620-MW51C-20240905	MW-51C	Water	09/05/2024	09:50	X	X	X	
	WG-1620-MW98A-20240906	MW-98A	Water	09/06/2024	10:25	X	X	X	
	WG-1620-MW25C-20240905	MW-25C	Water	09/05/2024	11:40	X	X	X	
	WG-1620-MW25A-20240905	MW-25A	Water	09/05/2024	12:15	X	X	X	
	WG-1620-MW62B-20240904	MW-62B	Water	09/04/2024	13:20	X	X	X	
	WG-1620-MW26A-20240905	MW-26A	Water	09/05/2024	14:05	X	X	X	
	WG-1620-MW50A-20240905	MW-50A	Water	09/05/2024	14:25	X	X	X	
	WG-1620-MW64A-20240904	MW-64A	Water	09/04/2024	14:35	X	X	X	
	WG-1620-FB08-20240904	-	Water	09/04/2024	15:00	X	X	X	Field Blank
	WG-1620-MW47C-20240905	MW-47C	Water	09/05/2024	15:30	X	X	X	
	WG-1620-MW66D-20240906	MW-66D	Water	09/06/2024	15:35	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Laboratory Data Package	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters			Comments
						VOCs	SVOCs	Arsenic	
HS24090328	WG-1620-FB09-20240905	-	Water	09/05/2024	15:45	X	X	X	Field Blank
	WG-1620-FB10-20240906	-	Water	09/06/2024	16:30	X	X	X	Field Blank

Notes:

VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
MS/MSD - Matrix Spike/Matrix Spike Duplicate
MS/MSD-P - Matrix Spike/Matrix Spike Duplicate (partial parameters)
DUP - Laboratory Duplicate
"-" - Not Applicable

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-03	MW-04	MW-05	MW-09	MW-12A
Sample Name:		WG-1620-MW03-20240805	WG-1620-MW04-20240805	WG-1620-MW05-20240802	WG-1620-MW09-20240805	WG-1620-MW12A-20240726
Sample Date:		08/05/2024	08/05/2024	08/02/2024	08/05/2024	07/26/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.000372	<0.000372	<0.000372	<0.000372	<0.00020
Benzene	mg/L	<0.000460	<0.000460	<0.000460	<0.000460	<0.00020
Chlorobenzene	mg/L	<0.000455	<0.000455	<0.000455	<0.000455	<0.00030
Ethylbenzene	mg/L	<0.000385	<0.000385	<0.000385	<0.000385	<0.00030
m&p-Xylenes	mg/L	<0.00124	<0.00124	<0.00124	<0.00124	--
Methylene chloride	mg/L	<0.00173	<0.00173	<0.00173	<0.00173	<0.0010
o-Xylene	mg/L	<0.000502	<0.000502	<0.000502	<0.000502	--
Toluene	mg/L	<0.000475	<0.000475	<0.000475	<0.000475	<0.00020
Vinyl chloride	mg/L	--	--	--	--	<0.00020
Xylenes (total)	mg/L	<0.00124	<0.00124	<0.00124	<0.00124	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.000047 J	<0.000019	<0.000019	0.000028 J	0.018
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.0044	<0.000027	0.00042	<0.000027	0.12
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	0.00065
Anthracene	mg/L	0.000073 J	0.00013	0.000039 J	0.000033 J	0.0063
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-03	MW-04	MW-05	MW-09	MW-12A
Sample Name:		WG-1620-MW03-20240805	WG-1620-MW04-20240805	WG-1620-MW05-20240802	WG-1620-MW09-20240805	WG-1620-MW12A-20240726
Sample Date:		08/05/2024	08/05/2024	08/02/2024	08/05/2024	07/26/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000047	0.000050 J	<0.000023	<0.000020
Dibenzofuran	mg/L	0.00081	0.000036 J	0.000044 J	0.000031 J	0.077
Fluoranthene	mg/L	0.00040	0.000026 J	0.000033 J	<0.000010	0.0061
Fluorene	mg/L	0.0015	<0.000030	0.000057 J	<0.000030	0.093
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	0.00031	<0.000048	0.00012	0.00015	0.00045
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000069	<0.000056	0.000071 J	<0.000032	0.041
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.00020	0.000024 J	0.00039	<0.000019	0.0025
Metals						
Arsenic	mg/L	<0.000782	0.00349	0.0134	<0.00112	0.00100 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-12B	MW-12C	MW-13	MW-14	MW-15A
Sample Name:		WG-1620-MW12B-20240802	WG-1620-MW12C-20240726	WG-1620-MW13-20240729	WG-1620-MW14-20240726	WG-1620-MW15A-20240729
Sample Date:		08/02/2024	07/26/2024	07/29/2024	07/26/2024	07/29/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.000372	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.00172	<0.00020	<0.00020	<0.00020	0.0015
Chlorobenzene	mg/L	<0.000455	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.00787	<0.00030	<0.00030	<0.00030	0.0027
m&p-Xylenes	mg/L	0.00383 J	--	--	--	--
Methylene chloride	mg/L	<0.00173	<0.0010	<0.0010	<0.0010	<0.0010
o-Xylene	mg/L	0.00591	--	--	--	--
Toluene	mg/L	0.00101	<0.00020	<0.00020	<0.00020	0.00053 J
Vinyl chloride	mg/L	--	<0.00020	--	<0.00020	--
Xylenes (total)	mg/L	0.00974 J	<0.00030	<0.00030	<0.00030	0.011
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.00021	<0.000021	<0.000021	<0.000021	<0.00010
2,4-Dimethylphenol	mg/L	0.038	<0.000040	0.000052 J	<0.000040	<0.00020
2,4-Dinitrotoluene	mg/L	<0.00058	<0.000058	<0.000058	<0.000058	<0.00029
2,6-Dinitrotoluene	mg/L	<0.00042	<0.000042	<0.000042	<0.000042	<0.00021
2-Chloronaphthalene	mg/L	<0.00021	<0.000021	<0.000021	<0.000021	<0.00010
2-Methylnaphthalene	mg/L	0.13	0.00035	<0.000019	<0.000019	0.076
4,6-Dinitro-2-methylphenol	mg/L	<0.00020	<0.000020	<0.000020	<0.000020	<0.00010
4-Nitrophenol	mg/L	<0.00047	<0.000047	<0.000047	<0.000047	<0.00024
Acenaphthene	mg/L	0.092	0.0018	<0.000027	0.00052	0.13
Acenaphthylene	mg/L	0.0039	<0.000015	<0.000015	<0.000015	<0.000075
Anthracene	mg/L	0.020	0.00015	0.000045 J	0.00010	0.0036
Benzo(a)anthracene	mg/L	0.0058	<0.000050	<0.000050	<0.000050	<0.00025
Benzo(a)pyrene	mg/L	0.0015	<0.000020	<0.000020	<0.000020	<0.00010
bis(2-Chloroethoxy)methane	mg/L	<0.00030	<0.000030	<0.000030	<0.000030	<0.00015
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00037	<0.000037	0.000044 J	<0.000037	<0.00018
Chrysene	mg/L	0.0047	<0.000021	<0.000021	<0.000021	<0.00010

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-12B	MW-12C	MW-13	MW-14	MW-15A
Sample Name:		**WG-1620-MW12B-20240802**	**WG-1620-MW12C-20240726**	**WG-1620-MW13-20240729**	**WG-1620-MW14-20240726**	**WG-1620-MW15A-20240729**
Sample Date:		**08/02/2024**	**07/26/2024**	**07/29/2024**	**07/26/2024**	**07/29/2024**
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.00020	<0.000020	<0.000020	0.000035 J	<0.00010
Dibenzofuran	mg/L	0.079	0.0014	<0.000020	<0.000020	0.031
Fluoranthene	mg/L	0.044	0.00020	<0.000010	0.00032	0.0025
Fluorene	mg/L	0.085	0.0017	<0.000030	0.00021	0.047
N-Nitrosodiphenylamine	mg/L	<0.00025	<0.000025	<0.000025	<0.000025	<0.00012
Naphthalene	mg/L	0.64	0.00028	0.000074 J	0.00022	0.36
Nitrobenzene	mg/L	<0.00024	<0.000024	<0.000024	<0.000024	<0.00012
Pentachlorophenol	mg/L	<0.00079	<0.000079	<0.000079	<0.000079	<0.00040
Phenanthrene	mg/L	0.14	0.00084	<0.000021	0.000100 J	0.019
Phenol	mg/L	<0.00035	<0.000035	<0.000035	<0.000035	<0.00018
Pyrene	mg/L	0.023	0.000099 J	0.000036 J	0.00023	0.0010
Metals						
Arsenic	mg/L	0.0535	0.000803 J	0.00505	0.000988 J	0.0214

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-15B	MW-15C	MW-17	MW-17C	MW-18A
Sample Name:		WG-1620-MW15B-20240729	WG-1620-MW15C-20240729	WG-1620-MW17-20240801	WG-1620-MW17C-20240801	WG-1620-MW18A-20240802
Sample Date:		07/29/2024	07/29/2024	08/01/2024	08/01/2024	08/02/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.000372	<0.000372	<0.000372
Benzene	mg/L	<0.00020	<0.00020	<0.000460	<0.000460	0.369
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.000455	<0.000455	<0.000455
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.000385	<0.000385	0.246
m&p-Xylenes	mg/L	--	--	<0.00124	<0.00124	0.346
Methylene chloride	mg/L	<0.0010	<0.0010	<0.00173	<0.00173	<0.00173
o-Xylene	mg/L	--	--	<0.000502	<0.000502	0.192
Toluene	mg/L	<0.00020	<0.00020	<0.000475	<0.000475	0.289
Vinyl chloride	mg/L	--	--	--	<0.000428	0.00866
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00124	<0.00124	0.538
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.00021	<0.000021	<0.0021	<0.010	<0.00021
2,4-Dimethylphenol	mg/L	<0.00040	<0.000040	0.79	<0.020	2.1
2,4-Dinitrotoluene	mg/L	<0.00058	<0.000058	<0.0058	<0.029	<0.00058
2,6-Dinitrotoluene	mg/L	<0.00042	<0.000042	<0.0042	<0.021	<0.00042
2-Chloronaphthalene	mg/L	<0.00021	<0.000021	<0.0021	<0.010	<0.00021
2-Methylnaphthalene	mg/L	0.00035 J	<0.000019	0.19	0.076	0.15
4,6-Dinitro-2-methylphenol	mg/L	<0.00020	<0.000020	<0.0020	<0.010	<0.00020
4-Nitrophenol	mg/L	<0.00047	<0.000047	<0.0047	<0.024	<0.00047
Acenaphthene	mg/L	0.0057	0.00057	0.073	0.11	0.097
Acenaphthylene	mg/L	<0.00015	0.000057 J	0.0030 J	<0.0075	0.0039
Anthracene	mg/L	<0.00014	0.000086 J	0.0038 J	<0.0070	0.0042
Benzo(a)anthracene	mg/L	<0.00050	<0.000050	<0.0050	<0.025	<0.00050
Benzo(a)pyrene	mg/L	<0.00020	<0.000020	<0.0020	<0.010	<0.00020
bis(2-Chloroethoxy)methane	mg/L	<0.00030	<0.000030	<0.0030	<0.015	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00037	<0.000037	<0.0037	<0.018	<0.00037
Chrysene	mg/L	<0.00021	<0.000021	<0.0021	<0.010	<0.00021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-15B	MW-15C	MW-17	MW-17C	MW-18A
Sample Name:		WG-1620-MW15B-20240729	WG-1620-MW15C-20240729	WG-1620-MW17-20240801	WG-1620-MW17C-20240801	WG-1620-MW18A-20240802
Sample Date:		07/29/2024	07/29/2024	08/01/2024	08/01/2024	08/02/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.00020	<0.000020	<0.0020	<0.010	<0.00020
Dibenzofuran	mg/L	0.00043 J	<0.000020	0.051	0.094	0.057
Fluoranthene	mg/L	0.0011	0.00018	0.0014 J	<0.0050	0.0014
Fluorene	mg/L	0.0016	<0.000030	0.031	0.051	0.051
N-Nitrosodiphenylamine	mg/L	<0.00025	<0.000025	<0.0025	<0.012	<0.00025
Naphthalene	mg/L	0.0010	0.00061	5.3	3.7	2.2
Nitrobenzene	mg/L	<0.00024	<0.000024	<0.0024	<0.012	<0.00024
Pentachlorophenol	mg/L	<0.00079	<0.000079	<0.0079	<0.040	<0.00079
Phenanthrene	mg/L	<0.00021	<0.000021	0.025	0.059	0.036
Phenol	mg/L	<0.00035	<0.000035	0.68	<0.018	0.0044
Pyrene	mg/L	0.00058 J	0.00023	<0.0019	<0.0095	0.00062 J
Metals						
Arsenic	mg/L	0.00883	0.00106 J	0.0534	0.00898	0.0233

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-18C	MW-19C	MW-20A	MW-21C	MW-22AR
Sample Name:		WG-1620-MW18C-20240802	WG-1620-MW19C-20240801	WG-1620-MW20A-20240729	WG-1620-MW21C-20240805	WG-1620-MW22AR-20240805
Sample Date:		08/02/2024	08/01/2024	07/29/2024	08/05/2024	08/05/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.000372	<0.000372	<0.00020	<0.000372	<0.000372
Benzene	mg/L	0.857	<0.000460	0.020	<0.000460	<0.000460
Chlorobenzene	mg/L	<0.000455	<0.000455	<0.00030	<0.000455	<0.000455
Ethylbenzene	mg/L	0.231	0.000545 J	0.046	<0.000385	<0.000385
m&p-Xylenes	mg/L	0.461	<0.00124	--	<0.00124	<0.00124
Methylene chloride	mg/L	<0.00173	<0.00173	<0.0010	<0.00173	<0.00173
o-Xylene	mg/L	0.232	<0.000502	--	<0.000502	<0.000502
Toluene	mg/L	0.653	<0.000475	0.0038	<0.000475	<0.000475
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.693	<0.00124	0.063	<0.00124	<0.00124
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.00021	<0.000042	<0.00021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	0.011	0.00036 J	0.0058	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.00058	<0.00012	<0.00058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.00042	0.00015 J	<0.00042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.00021	<0.000042	<0.00021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	1.6	0.00056	0.13	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.00020	<0.000040	<0.00020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.00047	<0.000094	<0.00047	<0.000047	<0.000047
Acenaphthene	mg/L	0.035	0.00080	0.087	<0.000027	<0.000027
Acenaphthylene	mg/L	0.0013	<0.000030	0.00097 J	<0.000015	<0.000015
Anthracene	mg/L	0.0059	0.000064 J	0.0039	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.00050	<0.00010	<0.00050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	0.00021 J	<0.000040	<0.00020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.00030	<0.000060	<0.00030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00037	<0.000074	<0.00037	<0.000037	<0.000037
Chrysene	mg/L	<0.00021	<0.000042	<0.00021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-18C	MW-19C	MW-20A	MW-21C	MW-22AR
Sample Name:		WG-1620-MW18C-20240802	WG-1620-MW19C-20240801	WG-1620-MW20A-20240729	WG-1620-MW21C-20240805	WG-1620-MW22AR-20240805
Sample Date:		08/02/2024	08/01/2024	07/29/2024	08/05/2024	08/05/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.00020	<0.000040	<0.00020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.032	0.00071	0.059	0.000028 J	<0.000020
Fluoranthene	mg/L	0.0051	0.00016 J	0.00087 J	0.000013 J	<0.000010
Fluorene	mg/L	0.017	0.00063	0.054	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.00025	<0.000050	<0.00025	<0.000025	<0.000025
Naphthalene	mg/L	48	0.0014	0.94	<0.000036	<0.000032
Nitrobenzene	mg/L	<0.00024	<0.000048	<0.00024	<0.000024	<0.000024
Pentachlorophenol	mg/L	0.0046	<0.00016	<0.00079	<0.000079	<0.000079
Phenanthrene	mg/L	0.023	0.00039	0.032	<0.000039	<0.000021
Phenol	mg/L	<0.00035	<0.000070	<0.00035	<0.000035	<0.000035
Pyrene	mg/L	0.0031	0.00041	0.00044 J	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.00407	0.000978 J	0.00647	<0.000871	<0.000400

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:	MW-22BR	MW-23C	MW-25A	MW-25C	MW-26A
Sample Name:	WG-1620-MW22BR-20240805	WG-1620-MW23C-20240802	WG-1620-MW25A-20240905	WG-1620-MW25C-20240905	WG-1620-MW26A-20240905
Sample Date:	08/05/2024	08/02/2024	09/05/2024	09/05/2024	09/05/2024
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichloroethane	mg/L	<0.000372	<0.000372	<0.00020	<0.0050	<0.00020
Benzene	mg/L	<0.000460	0.0106	<0.00020	<0.0050	<0.00020
Chlorobenzene	mg/L	<0.000455	<0.000455	<0.00030	<0.0075	<0.00030
Ethylbenzene	mg/L	<0.000385	0.113	<0.00030	0.016 J	<0.00030
m&p-Xylenes	mg/L	<0.00124	0.0685	--	--	--
Methylene chloride	mg/L	<0.00173	<0.00173	<0.0010	<0.025	<0.0010
o-Xylene	mg/L	<0.000502	0.0197	--	--	--
Toluene	mg/L	<0.000475	0.0241	<0.00020	<0.0050	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00124	0.0882	<0.00030	0.077	<0.00030
Semi-volatile Organic Compounds					
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.00021	<0.000021	<0.00021	0.000040 J
2,4-Dimethylphenol	mg/L	<0.000040	0.023	<0.000040	0.0034	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.00058	<0.000058	<0.00058	0.00014 J
2,6-Dinitrotoluene	mg/L	<0.000042	<0.00042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	0.15	<0.000019	<0.00019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.00020	<0.000020	<0.00020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.00047	<0.000047	<0.00047	<0.000047
Acenaphthene	mg/L	0.0043	0.10	<0.000027	0.041	<0.000027
Acenaphthylene	mg/L	0.000032 J	0.0012	<0.000015	<0.00015	<0.000015
Anthracene	mg/L	<0.000014	0.0068	<0.000014	0.0033	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.00050	<0.000050	<0.00050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.00020	<0.000020	<0.00020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.00030	<0.000030	<0.00030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.00037	<0.000037	<0.00037	<0.000037
Chrysene	mg/L	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-22BR	MW-23C	MW-25A	MW-25C	MW-26A
Sample Name:		WG-1620-MW22BR-20240805	WG-1620-MW23C-20240802	WG-1620-MW25A-20240905	WG-1620-MW25C-20240905	WG-1620-MW26A-20240905
Sample Date:		08/05/2024	08/02/2024	09/05/2024	09/05/2024	09/05/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.00020	<0.000020	<0.00020	<0.000020
Dibenzofuran	mg/L	0.000074 J	0.093	<0.000020	0.028	<0.000020
Fluoranthene	mg/L	0.00040	0.0057	<0.000010	0.0058	0.00035
Fluorene	mg/L	0.0011	0.050	<0.000030	0.027	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.00025	<0.000025	<0.00025	0.00021
Naphthalene	mg/L	<0.000060	2.1	<0.000020	0.0019	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.00079	<0.000079	<0.00079	<0.000079
Phenanthrene	mg/L	<0.000021	0.056	<0.000021	0.035	<0.000021
Phenol	mg/L	<0.000035	<0.00035	<0.000035	<0.00035	<0.000035
Pyrene	mg/L	0.00018	0.0030	<0.000019	0.0039	0.00017
Metals						
Arsenic	mg/L	0.00801	0.00437	0.00910	0.00993	0.0472

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:	MW-27A	MW-28A	MW-28C	MW-32AR	MW-32B
Sample Name:	WG-1620-MW27A-20240730	WG-1620-MW28A-20240730	WG-1620-MW28C-20240730	WG-1620-MW32AR-20240725	WG-1620-MW32B-20240726
Sample Date:	07/30/2024	07/30/2024	07/30/2024	07/25/2024	07/26/2024
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.010 JL
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	1.5 JL
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.015 JL
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	0.30 JL
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.050 JL
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	1.3 JL
Vinyl chloride	mg/L	--	--	--	<0.00020	<0.010 JL
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	0.82 JL
Semi-volatile Organic Compounds					
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	R	<0.000021	<0.00021
2,4-Dimethylphenol	mg/L	<0.000040	0.000051 J	R	<0.000040	4.4
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	R	<0.000058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	R	<0.000042	<0.00042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	R	<0.000021	<0.00021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	R	0.00015	0.40
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	R	<0.000020	<0.00020
4-Nitrophenol	mg/L	<0.000047	<0.000047	R	<0.000047	<0.00047
Acenaphthene	mg/L	0.000080 J	0.000049 J	R	0.00031	0.092
Acenaphthylene	mg/L	<0.000015	<0.000015	R	<0.000015	0.0014
Anthracene	mg/L	<0.000014	0.000053 J	R	0.00060	0.031
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	R	0.00012	0.0046
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	R	<0.000020	0.0017
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	R	<0.000030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	R	<0.000037	0.00091 J
Chrysene	mg/L	<0.000021	<0.000021	R	0.00012	0.0049

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-27A	MW-28A	MW-28C	MW-32AR	MW-32B
Sample Name:		WG-1620-MW27A-20240730	WG-1620-MW28A-20240730	WG-1620-MW28C-20240730	WG-1620-MW32AR-20240725	WG-1620-MW32B-20240726
Sample Date:		07/30/2024	07/30/2024	07/30/2024	07/25/2024	07/26/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	R	<0.000020	<0.00020
Dibenzofuran	mg/L	0.00014	0.000069 J	R	0.00061	0.14
Fluoranthene	mg/L	<0.000010	0.000053 J	R	0.00093	0.036
Fluorene	mg/L	0.000059 J	0.000055 J	R	0.00056	0.064
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	R	<0.000025	<0.00025
Naphthalene	mg/L	<0.000020	<0.000020	0.000045 JL	0.0011	5.6
Nitrobenzene	mg/L	<0.000024	<0.000024	R	<0.000024	<0.024
Pentachlorophenol	mg/L	<0.000079	<0.000079	R	<0.000079	<0.00079
Phenanthrene	mg/L	0.000097 J	0.00018	0.000048 JL	0.0019	0.19
Phenol	mg/L	<0.000035	<0.000035	R	<0.000035	2.2
Pyrene	mg/L	<0.000019	0.000037 J	R	0.00068	0.021
Metals						
Arsenic	mg/L	0.000855 J	0.000901 J	0.00115 J	0.0758	0.000697 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-33A	MW-33A	MW-33BR	MW-34CR	MW-35A
Sample Name:		WG-1620-MW33A-20240729	WG-1620-FD02-20240729	WG-1620-MW33BR-20240729	WG-1620-MW34CR-20240801	WG-1620-MW35A-20240724
Sample Date:		07/29/2024	07/29/2024	07/29/2024	08/01/2024	07/24/2024
			Duplicate			
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.000372	<0.00020
Benzene	mg/L	<0.00020	<0.00020	0.084	0.00249	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.000455	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.060	<0.000385	<0.00030
m&p-Xylenes	mg/L	--	--	--	<0.00124	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.00173	<0.0010
o-Xylene	mg/L	--	--	--	<0.000502	--
Toluene	mg/L	<0.00020	<0.00020	0.0041	<0.000475	<0.00020
Vinyl chloride	mg/L	--	--	<0.00020	--	<0.00020
Xylenes (total)	mg/L	<0.00030	<0.00030	0.033	<0.00124	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.00010	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	0.0033	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00029	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.00021	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.00010	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.000033 J	<0.000019 J	<0.000095	0.00068	0.00016
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.00010	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.00024	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027 J	0.00022 J	0.0075	0.00013	0.0042
Acenaphthylene	mg/L	<0.000015	<0.000015	0.00040 J	<0.000015	<0.000015
Anthracene	mg/L	0.000034 J	<0.000014 J	0.00059	0.000037 J	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	0.00071	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	0.00020 J	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.00015	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.00018	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	0.00055	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-33A	MW-33A	MW-33BR	MW-34CR	MW-35A
Sample Name:		WG-1620-MW33A-20240729	WG-1620-FD02-20240729	WG-1620-MW33BR-20240729	WG-1620-MW34CR-20240801	WG-1620-MW35A-20240724
Sample Date:		07/29/2024	07/29/2024	07/29/2024	08/01/2024	07/24/2024
			Duplicate			
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.00010	<0.000020	<0.000020
Dibenzofuran	mg/L	0.000064 J	<0.000020 J	0.0022	0.00019	0.00031
Fluoranthene	mg/L	0.00012	0.000096 J	0.0067	0.000052 J	0.000068 J
Fluorene	mg/L	0.000051 J	<0.000030 J	0.0016	0.000095 J	0.00031
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.00012	<0.000025	<0.000025
Naphthalene	mg/L	0.00011 J	0.00018 J	0.00032 J	0.011	0.00016
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.00012	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00040	<0.000079	<0.000079
Phenanthrene	mg/L	0.00020 J	<0.000021 J	0.00047 J	0.00015	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.00018	<0.000035	<0.000035
Pyrene	mg/L	0.000090 J	0.00012	0.0041	0.000034 J	<0.000019
Metals						
Arsenic	mg/L	0.00309	0.00395	0.000540 J	0.00197 J	0.0471

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-35B	MW-36A	MW-36B	MW-36B	MW-36D
Sample Name:		WG-1620-MW35B-20240724	WG-1620-MW-36A-20240731	WG-1620-MW-36B-20240731	WG-1620-FD04-20240731	WG-1620-MW36D-20240805
Sample Date:		07/24/2024	07/31/2024	07/31/2024	07/31/2024	08/06/2024
					Duplicate	
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.000372
Benzene	mg/L	0.022	<0.00020	<0.00020	<0.00020	<0.000460
Chlorobenzene	mg/L	<0.0030	<0.00030	<0.00030	<0.00030	<0.000455
Ethylbenzene	mg/L	0.025	<0.00030	<0.00030	<0.00030	<0.000385
m&p-Xylenes	mg/L	--	--	--	--	<0.00124
Methylene chloride	mg/L	<0.010	<0.0010	<0.0010	<0.0010	<0.00173
o-Xylene	mg/L	--	--	--	--	<0.000502
Toluene	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.000475
Vinyl chloride	mg/L	<0.0020	--	--	--	--
Xylenes (total)	mg/L	0.016 J	<0.00030	<0.00030	<0.00030	<0.00124
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040 J	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058 J	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042 J	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021 J	<0.000021
2-Methylnaphthalene	mg/L	0.028	<0.000019	<0.000019	<0.000019 J	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020 J	<0.000020
4-Nitrophenol	mg/L	0.0013 J	<0.000047	<0.000047	<0.000047 J	<0.000047
Acenaphthene	mg/L	0.042	<0.000027	<0.000027	<0.000027 J	<0.000027
Acenaphthylene	mg/L	0.00047	<0.000015	<0.000015	<0.000015 J	<0.000015
Anthracene	mg/L	0.0026	<0.000014	<0.000014 J	0.000028 J	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050 J	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020 J	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030 J	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037 J	0.00014 J	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	0.000027 J	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-35B	MW-36A	MW-36B	MW-36B	MW-36D
Sample Name:		WG-1620-MW35B-20240724	WG-1620-MW-36A-20240731	WG-1620-MW-36B-20240731	WG-1620-FD04-20240731	WG-1620-MW36D-20240805
Sample Date:		07/24/2024	07/31/2024	07/31/2024	07/31/2024	08/06/2024
					Duplicate	
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	0.000057 J	<0.000020	0.000022 J	0.000042 J	<0.000020
Dibenzofuran	mg/L	0.017	<0.000020	<0.000020	0.000024 J	<0.000020
Fluoranthene	mg/L	0.0018	<0.000010	0.000013 J	0.000057 J	<0.000010
Fluorene	mg/L	0.021	<0.000030	<0.000030	<0.000030 J	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025 J	<0.000025
Naphthalene	mg/L	0.063	<0.000020	0.000043 J	<0.000020 J	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024 J	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079 J	<0.000079
Phenanthrene	mg/L	0.020	<0.000021	<0.000021 J	0.000053 J	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035 J	<0.000035
Pyrene	mg/L	0.00084	<0.000019	<0.000019 J	0.000064 J	<0.000019
Metals						
Arsenic	mg/L	0.0110	0.00125 J	0.000971 J	0.000863 J	0.000805 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-38A	MW-38B	MW-39B	MW-40B	MW-41B
Sample Name:		WG-1620-MW38A-20240805	WG-1620-MW38B-20240805	WG-1620-MW39B-20240726	WG-1620-MW40B-20240726	WG-1620-MW41B-20240802
Sample Date:		08/05/2024	08/05/2024	07/26/2024	07/26/2024	08/02/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.000372	<0.000372	<0.00020	<0.010	<0.000372
Benzene	mg/L	<0.000460	0.00189	<0.00020	<0.010	0.0128
Chlorobenzene	mg/L	<0.000455	<0.000455	<0.00030	<0.015	<0.000455
Ethylbenzene	mg/L	<0.000385	0.0137	<0.00030	0.097	0.0876
m&p-Xylenes	mg/L	<0.00124	0.0108	--	--	0.122
Methylene chloride	mg/L	<0.00173	<0.00173	<0.0010	<0.050	<0.00173
o-Xylene	mg/L	<0.000502	0.00944	--	--	0.0730
Toluene	mg/L	<0.000475	0.00723	<0.00020	0.021 J	0.102
Vinyl chloride	mg/L	--	--	<0.00020	<0.010	--
Xylenes (total)	mg/L	<0.00124	0.0202	<0.00030	0.22	0.183
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.00042	<0.000021 J	<0.000021 J	<0.0021
2,4-Dimethylphenol	mg/L	<0.000040	<0.00080	<0.000040 J	0.00042 J	0.016 J
2,4-Dinitrotoluene	mg/L	<0.000058	<0.0012	<0.000058 J	<0.000058 J	<0.0058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.00084	<0.000042 J	<0.000042 J	<0.0042
2-Chloronaphthalene	mg/L	<0.000021	<0.00042	<0.000021 J	<0.000021 J	<0.0021
2-Methylnaphthalene	mg/L	<0.000019	0.0088	0.00021 J	<0.19 J	0.23
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.00040	<0.000020 J	<0.000020 J	<0.0020
4-Nitrophenol	mg/L	<0.000047	<0.00094	<0.000047 J	<0.000047 J	<0.0047
Acenaphthene	mg/L	0.00050	0.030	0.036 J	<0.27 J	0.16
Acenaphthylene	mg/L	<0.000015	0.00054 J	0.00024 J	0.00099 J	0.0031 J
Anthracene	mg/L	0.000043 J	0.0015 J	0.00099 J	0.0065 J	0.014
Benzo(a)anthracene	mg/L	<0.000050	<0.0010	<0.000050 J	<0.000050 J	<0.0050
Benzo(a)pyrene	mg/L	<0.000020	<0.00040	<0.000020 J	<0.000020 J	<0.0020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.00060	<0.000030 J	<0.000030 J	<0.0030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.00074	<0.000037 J	0.00016 J	<0.0037
Chrysene	mg/L	<0.000021	<0.00042	<0.000021 J	<0.000021 J	<0.0021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-38A	MW-38B	MW-39B	MW-40B	MW-41B
Sample Name:		WG-1620-MW38A-20240805	WG-1620-MW38B-20240805	WG-1620-MW39B-20240726	WG-1620-MW40B-20240726	WG-1620-MW41B-20240802
Sample Date:		08/05/2024	08/05/2024	07/26/2024	07/26/2024	08/02/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.00040	<0.000020 J	<0.000020 J	<0.0020
Dibenzofuran	mg/L	<0.000020	0.018	0.00014 J	0.071 J	0.092
Fluoranthene	mg/L	0.00024	0.00086 J	0.0015 J	0.0039 J	0.020
Fluorene	mg/L	0.000058 J	0.015	0.0072 J	0.072 J	0.056
N-Nitrosodiphenylamine	mg/L	0.00014 J	<0.00050	<0.000025 J	<0.000025 J	<0.0025
Naphthalene	mg/L	<0.000020	0.18	0.00022 J	2.9 J	4.8
Nitrobenzene	mg/L	<0.000024	<0.00048	<0.000024 J	<0.000024 J	<0.0024
Pentachlorophenol	mg/L	<0.000079	<0.0016	<0.000079 J	<0.000079 J	<0.0079
Phenanthrene	mg/L	<0.000021	0.0051	<0.000021 J	0.065 J	0.12
Phenol	mg/L	<0.000035	<0.00070	<0.000035 J	<0.000035 J	<0.0035
Pyrene	mg/L	0.00024	0.00041 J	0.00090 J	0.0016 J	0.0071 J
Metals						
Arsenic	mg/L	0.0372	0.0447	0.0367	0.0475	0.0848

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-42B	MW-44A	MW-44C	MW-45C	MW-46C
Sample Name:		WG-1620-MW42B-20240729	WG-1620-MW44A-20240801	WG-1620-MW44C-20240801	WG-1620-MW45C-20240801	WG-1620-MW46C-20240801
Sample Date:		07/29/2024	08/01/2024	08/01/2024	08/01/2024	08/01/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.000372	<0.000372	<0.000372	<0.000372
Benzene	mg/L	<0.00020	<0.000460	<0.000460	<0.000460	<0.000460
Chlorobenzene	mg/L	<0.00030	<0.000455	<0.000455	<0.000455	<0.000455
Ethylbenzene	mg/L	<0.00030	<0.000385	<0.000385	<0.000385	0.000925 J
m&p-Xylenes	mg/L	--	<0.00124	<0.00124	<0.00124	0.00154 J
Methylene chloride	mg/L	<0.0010	<0.00173	<0.00173	<0.00173	<0.00173
o-Xylene	mg/L	--	<0.000502	<0.000502	<0.000502	<0.000502
Toluene	mg/L	<0.00020	<0.000475	<0.000475	<0.000475	0.000776 J
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00124	<0.00124	<0.00124	0.00154 J
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000042	<0.0021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000080	0.012 J	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00012	<0.0058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000084	<0.0042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000042	<0.0021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	0.000047 J	0.00041	0.052	0.00071
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000040	<0.0020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000094	<0.0047	<0.000047
Acenaphthene	mg/L	0.00055	0.030	0.00052	0.036	0.0017
Acenaphthylene	mg/L	<0.000015	0.00014	0.000039 J	<0.0015	0.00013
Anthracene	mg/L	<0.000014	0.00032	0.00017 J	0.012	0.0049
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.00010	<0.0050	0.0024
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000040	<0.0020	0.0010
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000060	<0.0030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000074	<0.0037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000042	0.0034 J	0.0022

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		**MW-42B**	**MW-44A**	**MW-44C**	**MW-45C**	**MW-46C**
Sample Name:		**WG-1620-MW42B-20240729**	**WG-1620-MW44A-20240801**	**WG-1620-MW44C-20240801**	**WG-1620-MW45C-20240801**	**WG-1620-MW46C-20240801**
Sample Date:		**07/29/2024**	**08/01/2024**	**08/01/2024**	**08/01/2024**	**08/01/2024**
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000040	<0.0020	<0.000020
Dibenzofuran	mg/L	<0.000020	0.00024	0.00066	0.033	0.0017
Fluoranthene	mg/L	0.000070 J	0.0010	0.00014 J	0.021	0.016
Fluorene	mg/L	0.000041 J	0.0088	0.00036	0.022	0.0021
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000050	<0.0025	<0.000025
Naphthalene	mg/L	0.000054 J	0.00032	0.0034	0.11	0.00063
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000048	<0.0024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00016	<0.0079	<0.000079
Phenanthrene	mg/L	<0.000021	0.00054	0.00067	0.048	0.0091
Phenol	mg/L	<0.000035	<0.000035	<0.000070	<0.0035	<0.000035
Pyrene	mg/L	0.000062 J	0.0014	0.000097 J	0.015	0.0072
Metals						
Arsenic	mg/L	0.00194 J	0.0206	0.00943	0.0507	<0.000400

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:	MW-47A	MW-47C	MW-48C	MW-49A	MW-50A
Sample Name:	WG-1620-MW47A-20240731	WG-1620-MW47C-20240905	WG-1620-MW48C-20240730	WG-1620-MW49A-20240802	WG-1620-MW50A-20240905
Sample Date:	07/31/2024	09/05/2024	07/31/2024	08/02/2024	09/05/2024
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.0010	<0.000372	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.0010	0.00293	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.0015	<0.000455	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.022	0.0118	<0.00030
m&p-Xylenes	mg/L	--	--	--	0.0206	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0050	<0.00173	<0.0010
o-Xylene	mg/L	--	--	--	0.00957	--
Toluene	mg/L	<0.00020	<0.00020	<0.0010	0.0117	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.013 J	0.0302	<0.00030
Semi-volatile Organic Compounds					
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	0.000057 J	0.0036	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	0.0058	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.00020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047
Acenaphthene	mg/L	<0.000027	<0.000027	<0.000027	0.020	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	0.00042 J	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	0.000017 J	0.0055	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	0.0017	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	0.00060 J	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.00030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.00037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	0.0018	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		**MW-47A**	**MW-47C**	**MW-48C**	**MW-49A**	**MW-50A**
Sample Name:		**WG-1620-MW47A-20240731**	**WG-1620-MW47C-20240905**	**WG-1620-MW48C-20240730**	**WG-1620-MW49A-20240802**	**WG-1620-MW50A-20240905**
Sample Date:		**07/31/2024**	**09/05/2024**	**07/31/2024**	**08/02/2024**	**09/05/2024**
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.00020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.000020	0.014	<0.000020
Fluoranthene	mg/L	<0.000010	<0.000010	0.000015 J	0.012	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	0.017	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000020	<0.000020	0.0093	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	0.000039 J	0.027	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	0.0069	<0.000019
Metals						
Arsenic	mg/L	0.00114 J	0.00297	0.00267	0.00418	0.000646 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-50B	MW-51A	MW-51C	MW-53C	MW-54B
Sample Name:		WG-1620-MW50B-20240725	WG-1620-MW51A-20240725	WG-1620-MW51C-20240905	WG-1620-MW53C-20240730	WG-1620-MW-54B-20240731
Sample Date:		07/25/2024	07/25/2024	09/05/2024	07/30/2024	07/31/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	<0.00020	<0.00020	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021 J
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	0.0032	0.0081	<0.000040 J
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058 J
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042 J
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021 J
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.00019	0.000061 J	<0.000019 J
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020 J
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047 J
Acenaphthene	mg/L	0.00011	<0.000027	0.0036	0.00056	<0.000027 J
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015 J
Anthracene	mg/L	<0.000014	<0.000014	<0.00014	0.00054	<0.000014 J
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.00050	0.00014	<0.000050 J
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020 J
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.00030	<0.000030	<0.000030 J
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.00010 J	0.00015 J	<0.00037	<0.000037	<0.000037 J
Chrysene	mg/L	<0.000021	<0.000021	<0.00021	0.00011	<0.000021 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-50B	MW-51A	MW-51C	MW-53C	MW-54B
Sample Name:		WG-1620-MW50B-20240725	WG-1620-MW51A-20240725	WG-1620-MW51C-20240905	WG-1620-MW53C-20240730	WG-1620-MW-54B-20240731
Sample Date:		07/25/2024	07/25/2024	09/05/2024	07/30/2024	07/31/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020 J
Dibenzofuran	mg/L	<0.000020	<0.000020	0.00058 J	0.00066	<0.000020 J
Fluoranthene	mg/L	<0.000010	<0.000010	<0.00010	0.00085	<0.000010 J
Fluorene	mg/L	<0.000030	<0.000030	0.0015	0.00077	<0.000030 J
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	0.00073 J	<0.000025	<0.000025 J
Naphthalene	mg/L	0.00035	<0.000020	<0.00020	0.000076 J	<0.000020 J
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024 J
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079 J
Phenanthrene	mg/L	0.00017	<0.000021	<0.00021	0.0022	<0.000021 J
Phenol	mg/L	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035 J
Pyrene	mg/L	<0.000019	<0.000019	<0.00019	0.00058	<0.000019 J
Metals						
Arsenic	mg/L	0.000981 J	0.000550 J	0.000559 J	0.000927 J	0.000838 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-54C	MW-54C	MW-57A	MW-57B	MW-58A
Sample Name:		WG-1620-MW-54C-20240731	WG-1620-FD05-20240731	WG-1620-MW57A-20240801	WG-1620-MW57B-20240801	WG-1620-MW58A-20240802
Sample Date:		07/31/2024	07/31/2024	08/01/2024	08/01/2024	08/02/2024
			Duplicate			
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.000372	<0.00372	<0.000372
Benzene	mg/L	<0.00020	<0.00020	0.000676 J	0.989	0.0118
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.000455	<0.00455	0.000683 J
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.000385	0.248	0.00477
m&p-Xylenes	mg/L	--	--	<0.00124	0.473	0.00812 J
Methylene chloride	mg/L	<0.0010	<0.0010	<0.00173	<0.0173	<0.00173
o-Xylene	mg/L	--	--	<0.000502	0.227	0.00289
Toluene	mg/L	<0.00020	<0.00020	<0.000475	0.950	0.00141
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00124	0.700	0.0110
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021 J	<0.000021	<0.000021	<0.0021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040 J	<0.000040	<0.000040	4.0	0.019
2,4-Dinitrotoluene	mg/L	<0.000058 J	<0.000058	<0.000058	<0.0058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042 J	<0.000042	<0.000042	<0.0042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021 J	<0.000021	<0.000021	<0.0021	<0.000021
2-Methylnaphthalene	mg/L	0.00060 J	0.00041 J	0.0100	0.20	0.00030
4,6-Dinitro-2-methylphenol	mg/L	<0.000020 J	<0.000020	<0.000020	<0.0020	<0.000020
4-Nitrophenol	mg/L	<0.000047 J	<0.000047	<0.000047	<0.0047	<0.000047
Acenaphthene	mg/L	0.025 J	0.019	0.025	0.11	0.0094
Acenaphthylene	mg/L	0.00026 J	0.00019 J	0.00042	0.0031 J	0.00017
Anthracene	mg/L	0.0010 J	0.00069 J	0.0039	0.018	0.0011
Benzo(a)anthracene	mg/L	<0.000050 J	<0.000050	0.00010	<0.0050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020 J	<0.000020	0.000032 J	<0.0020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030 J	<0.000030	<0.000030	<0.0030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037 J	<0.000037	<0.000037	<0.0037	<0.000037
Chrysene	mg/L	<0.000021 J	<0.000021	0.000096 J	0.0035 J	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-54C	MW-54C	MW-57A	MW-57B	MW-58A
Sample Name:		WG-1620-MW-54C-20240731	WG-1620-FD05-20240731	WG-1620-MW57A-20240801	WG-1620-MW57B-20240801	WG-1620-MW58A-20240802
Sample Date:		07/31/2024	07/31/2024	08/01/2024	08/01/2024	08/02/2024
			Duplicate			
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020 J	<0.000020	<0.000020	<0.0020	<0.000020
Dibenzofuran	mg/L	0.020 J	0.015	0.015	0.088	0.0042
Fluoranthene	mg/L	0.0023 J	0.0015 J	0.0034	0.022	0.0014
Fluorene	mg/L	0.013 J	0.0093 J	0.016	0.064	0.0069
N-Nitrosodiphenylamine	mg/L	<0.000025 J	<0.000025	<0.000025	<0.0025	<0.000025
Naphthalene	mg/L	0.0016 J	0.0010 J	0.012	5.7	0.000094 J
Nitrobenzene	mg/L	<0.000024 J	<0.000024	<0.000024	<0.0024	<0.000024
Pentachlorophenol	mg/L	<0.000079 J	<0.000079	<0.000079	<0.0079	<0.000079
Phenanthrene	mg/L	0.0025 J	0.0020	0.020	0.096	0.000033 J
Phenol	mg/L	<0.000035 J	<0.000035	<0.000035	0.20	<0.000035
Pyrene	mg/L	0.0012 J	0.00078 J	0.0018	0.014	0.00071
Metals						
Arsenic	mg/L	0.00116 J	0.00130 J	0.0487	0.00328	0.000730 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-59A	MW-59B	MW-60AR	MW-60B	MW-61A
Sample Name:		WG-1620-MW59A-20240731	WG-1620-MW59B-20240730	WG-1620-MW60AR-20240730	WG-1620-MW60B-20240730	WG-1620-MW61A-20240731
Sample Date:		07/31/2024	07/31/2024	07/30/2024	07/30/2024	07/31/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	0.000029 J	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-59A	MW-59B	MW-60AR	MW-60B	MW-61A
Sample Name:		WG-1620-MW59A-20240731	WG-1620-MW59B-20240730	WG-1620-MW60AR-20240730	WG-1620-MW60B-20240730	WG-1620-MW61A-20240731
Sample Date:		07/31/2024	07/31/2024	07/30/2024	07/30/2024	07/31/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	0.000023 J	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	0.000016 J	0.000011 J	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	0.000034 J	<0.000020	0.000084 J	0.000024 J	0.000085 J
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.000023 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.00428	0.00386	0.000883 J	0.00124 J	0.00268

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-61B	MW-62B	MW-63B	MW-64A	MW-66D
Sample Name:		WG-1620-MW61B-20240731	WG-1620-MW62B-20240904	WG-1620-MW63B-20240729	WG-1620-MW64A-20240904	WG-1620-MW66D-20240906
Sample Date:		07/31/2024	09/04/2024	07/29/2024	09/04/2024	09/06/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.0050	0.0033	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.0050	0.15	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.0075	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.0075	0.042	<0.00030	<0.00030
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.0010	<0.025	<0.0010	<0.0010	<0.0010
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	<0.00020	<0.0050	0.0020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.0075	0.012	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.00021	<0.00042	0.00014 J	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.00040	<0.00080	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.00058	<0.0012	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.00042	<0.00084	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.00021	<0.00042	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.000026 J	0.0038	0.062	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.00020	<0.00040	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.00047	<0.00094	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	0.078	0.020	<0.000027	0.00024
Acenaphthylene	mg/L	<0.000015	0.0011	<0.00030	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	0.0038	0.00035 J	<0.000014	0.000057 J
Benzo(a)anthracene	mg/L	<0.000050	<0.00050	<0.0010	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.00020	<0.00040	<0.000020	0.00012
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.00030	<0.00060	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.00037	<0.00074	<0.000037	0.00011 J
Chrysene	mg/L	<0.000021	<0.00021	<0.00042	<0.000021	0.00018

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-61B	MW-62B	MW-63B	MW-64A	MW-66D
Sample Name:		WG-1620-MW61B-20240731	WG-1620-MW62B-20240904	WG-1620-MW63B-20240729	WG-1620-MW64A-20240904	WG-1620-MW66D-20240906
Sample Date:		07/31/2024	09/04/2024	07/29/2024	09/04/2024	09/06/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.00020	<0.00040	<0.000020	0.000041 J
Dibenzofuran	mg/L	0.000036 J	0.050	0.019	<0.000020	0.00022
Fluoranthene	mg/L	0.000011 J	0.0030	<0.00020	0.00040	0.00027
Fluorene	mg/L	<0.000030	0.038	0.0068	<0.000030	0.00012
N-Nitrosodiphenylamine	mg/L	<0.000025	0.0021	<0.00050	<0.000025	<0.000025
Naphthalene	mg/L	0.00010	0.13	3.5	<0.000020	0.00047
Nitrobenzene	mg/L	<0.000024	<0.00024	<0.00048	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.00079	<0.0016	<0.000079	<0.000079
Phenanthrene	mg/L	0.000047 J	0.022	0.0025	<0.000021	0.00017
Phenol	mg/L	<0.000035	<0.00035	<0.00070	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	0.0013	<0.00038	0.00029	0.00022
Metals						
Arsenic	mg/L	0.00225	0.0388	0.00106 J	0.00201	0.00323

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-67B	MW-68A	MW-68B	MW-68C	MW-69A
Sample Name:		WG-1620-MW67B-20240730	WG-1620-MW68A-20240729	WG-1620-MW68B-20240729	WG-1620-MW68C-20240726	WG-1620-MW69A-20240731
Sample Date:		07/30/2024	07/29/2024	07/29/2024	07/26/2024	07/31/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	0.064	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.060	<0.00030	<0.00030
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	<0.00020	<0.00020	0.027	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	<0.00020	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.16	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	0.00014 J	<0.000040	<0.00040	0.000049 J	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.00017	<0.000019	0.0074	0.000041 J	0.000035 J
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047
Acenaphthene	mg/L	0.000048 J	0.00046	0.048	0.000055 J	0.000067 J
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	0.0080	0.000068 J	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	0.0027	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	0.00090 J	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.00030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.00037	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	0.0025	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-67B	MW-68A	MW-68B	MW-68C	MW-69A
Sample Name:		WG-1620-MW67B-20240730	WG-1620-MW68A-20240729	WG-1620-MW68B-20240729	WG-1620-MW68C-20240726	WG-1620-MW69A-20240731
Sample Date:		07/30/2024	07/29/2024	07/29/2024	07/26/2024	07/31/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.000059 J	0.000030 J	0.053	0.000061 J	0.000033 J
Fluoranthene	mg/L	<0.000010	0.000041 J	0.013	0.00013	0.000041 J
Fluorene	mg/L	<0.000030	0.000040 J	0.032	0.000079 J	0.000034 J
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025
Naphthalene	mg/L	0.0016	0.000091 J	<0.00020	0.00017	0.00013
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079
Phenanthrene	mg/L	0.000047 J	<0.000021	0.055	0.00031	0.000053 J
Phenol	mg/L	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	0.000049 J	0.0087	0.000083 J	0.000042 J
Metals						
Arsenic	mg/L	0.00155 J	0.0727	0.00119 J	0.000608 J	0.00260

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-70B	MW-70C	MW-71B	MW-72B	MW-74B
Sample Name:		WG-1620-MW70B-20240729	WG-1620-MW70C-20240729	WG-1620-MW71B-20240729	WG-1620-MW72B-20240801	WG-1620-MW74B-20240730
Sample Date:		07/29/2024	07/29/2024	07/29/2024	08/01/2024	07/30/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.20	<0.00020	<0.00020	<0.00372	<0.010
Benzene	mg/L	2.2	0.0017	<0.00020	0.862	0.26
Chlorobenzene	mg/L	<0.30	<0.00030	<0.00030	<0.00455	<0.015
Ethylbenzene	mg/L	0.37 J	0.0032	<0.00030	0.224	0.11
m&p-Xylenes	mg/L	--	--	--	0.412	--
Methylene chloride	mg/L	<1.0	<0.0010	<0.0010	<0.0173	<0.050
o-Xylene	mg/L	--	--	--	0.201	--
Toluene	mg/L	1.7	0.0061	<0.00020	0.828	0.31
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.88 J	0.0080	<0.00030	0.613	0.32
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.0021	<0.000021	<0.00010	<0.0021	0.0044
2,4-Dimethylphenol	mg/L	21	0.000071 J	0.00031 J	4.5	5.8
2,4-Dinitrotoluene	mg/L	<0.0058	<0.000058	<0.00029	<0.0058	0.0027
2,6-Dinitrotoluene	mg/L	<0.0042	<0.000042	<0.00021	<0.0042	<0.00042
2-Chloronaphthalene	mg/L	<0.0021	<0.000021	<0.00010	<0.0021	0.00032 J
2-Methylnaphthalene	mg/L	1.1	0.00013	<0.000095	0.11	0.70
4,6-Dinitro-2-methylphenol	mg/L	<0.0020	<0.000020	<0.00010	<0.0020	0.0019 J
4-Nitrophenol	mg/L	<0.0047	<0.000047	<0.00024	<0.0047	<0.00047
Acenaphthene	mg/L	0.46	0.00062	0.00038 J	0.056	0.47
Acenaphthylene	mg/L	0.013	<0.000015	<0.000075	<0.0015	0.0087
Anthracene	mg/L	0.18	0.00057	0.00010 J	0.0074 J	0.095
Benzo(a)anthracene	mg/L	0.031	0.00028	<0.00025	<0.0050	0.060
Benzo(a)pyrene	mg/L	0.0090 J	0.000073 J	0.00012 J	<0.0020	0.022
bis(2-Chloroethoxy)methane	mg/L	<0.0030	<0.000030	<0.00015	<0.0030	<0.0030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0037	<0.000037	<0.00018	<0.0037	<0.00037
Chrysene	mg/L	0.029	0.00026	0.00016 J	<0.0021	0.051

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-70B	MW-70C	MW-71B	MW-72B	MW-74B
Sample Name:		WG-1620-MW70B-20240729	WG-1620-MW70C-20240729	WG-1620-MW71B-20240729	WG-1620-MW72B-20240801	WG-1620-MW74B-20240730
Sample Date:		07/29/2024	07/29/2024	07/29/2024	08/01/2024	07/30/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.0020	<0.000020	<0.00010	<0.0020	<0.00020
Dibenzofuran	mg/L	0.41	0.00034	<0.00010	0.064	0.40
Fluoranthene	mg/L	0.25	0.0019	0.00054	0.0074 J	0.49
Fluorene	mg/L	0.38	0.00042	<0.00015	0.032	0.47
N-Nitrosodiphenylamine	mg/L	<0.0025	<0.000025	<0.00012	<0.0025	0.0051
Naphthalene	mg/L	13	0.000068 J	<0.00010	3.9	0.00061 J
Nitrobenzene	mg/L	<0.0024	<0.000024	<0.00012	<0.0024	0.0025
Pentachlorophenol	mg/L	<0.0079	<0.000079	<0.00040	<0.0079	<0.00079
Phenanthrene	mg/L	0.76	0.0023	0.00027 J	0.043	0.97
Phenol	mg/L	0.94	<0.000035	<0.00018	0.92	2.0
Pyrene	mg/L	0.15	0.0012	0.00039 J	0.0061 J	0.32
Metals						
Arsenic	mg/L	0.00165 J	<0.000400	0.00108 J	0.00318	0.00405

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-75B	MW-76B	MW-76C	MW-77A	MW-78A
Sample Name:		WG-1620-MW75B-20240725	WG-1620-MW76B-20240724	WG-1620-MW76C-20240724	WG-1620-MW77A-20240906	WG-1620-MW78A-20240730
Sample Date:		07/25/2024	07/24/2024	07/24/2024	09/06/2024	07/30/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.010	<0.00020	<0.00020	<0.0050	<0.010
Benzene	mg/L	0.34	<0.00020	<0.00020	0.023 J	0.18
Chlorobenzene	mg/L	<0.015	<0.00030	<0.00030	<0.0075	<0.015
Ethylbenzene	mg/L	0.13	<0.00030	<0.00030	0.020 J	0.14
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.050	<0.0010	<0.0010	<0.025	<0.050
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	0.34	<0.00020	<0.00020	<0.0050	0.32
Vinyl chloride	mg/L	<0.010	--	--	--	--
Xylenes (total)	mg/L	0.43	<0.00030	<0.00030	0.031 J	0.31
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.0021 J	<0.000021	<0.000021	<0.00021	<0.00021
2,4-Dimethylphenol	mg/L	0.34 J	<0.000040	<0.000040	0.0068	0.99
2,4-Dinitrotoluene	mg/L	<0.0058 J	<0.000058	<0.000058	<0.00058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.0042 J	<0.000042	<0.000042	<0.00042	<0.00042
2-Chloronaphthalene	mg/L	<0.0021 J	<0.000021	<0.000021	<0.00021	<0.00021
2-Methylnaphthalene	mg/L	6.2 J	<0.000019	<0.000019	0.040	0.23
4,6-Dinitro-2-methylphenol	mg/L	<0.0020 J	<0.000020	<0.000020	<0.00020	<0.00020
4-Nitrophenol	mg/L	<0.0047 J	<0.000047	<0.000047	<0.00047	<0.00047
Acenaphthene	mg/L	4.9 J	<0.000027	<0.000027	0.027	0.083
Acenaphthylene	mg/L	0.060 J	<0.000015	<0.000015	<0.00015	<0.00015
Anthracene	mg/L	2.4 J	<0.000014	<0.000014	0.0012	0.0088
Benzo(a)anthracene	mg/L	0.38 J	<0.000050	<0.000050	<0.00050	<0.00050
Benzo(a)pyrene	mg/L	0.13 J	<0.000020	<0.000020	<0.00020	<0.00020
bis(2-Chloroethoxy)methane	mg/L	<0.0030 J	<0.000030	<0.000030	<0.00030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0037 J	<0.000037	<0.000037	<0.00037	<0.00037
Chrysene	mg/L	0.40 J	<0.000021	<0.000021	<0.00021	0.00036 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		**MW-75B**	**MW-76B**	**MW-76C**	**MW-77A**	**MW-78A**
Sample Name:		**WG-1620-MW75B-20240725**	**WG-1620-MW76B-20240724**	**WG-1620-MW76C-20240724**	**WG-1620-MW77A-20240906**	**WG-1620-MW78A-20240730**
Sample Date:		**07/25/2024**	**07/24/2024**	**07/24/2024**	**09/06/2024**	**07/30/2024**
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.0020 J	<0.000020	<0.000020	<0.00020	<0.00020
Dibenzofuran	mg/L	4.3 J	<0.000020	<0.000020	0.0087	0.065
Fluoranthene	mg/L	4.7 J	<0.000010	<0.000010	<0.00010	0.0059
Fluorene	mg/L	4.8 J	<0.000030	<0.000030	0.014	0.058
N-Nitrosodiphenylamine	mg/L	<0.0025 J	<0.000025	<0.000025	<0.00025	<0.00025
Naphthalene	mg/L	29 J	<0.000020	<0.000020	0.85	4.4
Nitrobenzene	mg/L	<0.0024 J	<0.000024	<0.000024	<0.00024	<0.00024
Pentachlorophenol	mg/L	<0.0079 J	<0.000079	<0.000079	<0.00079	<0.00079
Phenanthrene	mg/L	14 J	<0.000021	<0.000021	0.0079	0.053
Phenol	mg/L	<0.0035 J	<0.000035	<0.000035	<0.00035	0.0029
Pyrene	mg/L	3.1 J	<0.000019	<0.000019	<0.00019	0.0030
Metals						
Arsenic	mg/L	0.00241	0.000603 J	0.00118 J	0.0197	0.0232

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-79A	MW-80B	MW-81B	MW-82B	MW-83B
Sample Name:		WG-1620-MW79A-20240730	WG-1620-MW80B-20240905	WG-1620-MW81B-20240725	WG-1620-MW82B-20240724	WG-1620-MW83B-20240724
Sample Date:		07/30/2024	09/05/2024	07/25/2024	07/24/2024	07/24/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.010	<0.00020	<0.00020	<0.00020	<0.0020
Benzene	mg/L	0.030 J	<0.00020	<0.00020	<0.00020	0.013 J
Chlorobenzene	mg/L	<0.015	<0.00030	<0.00030	<0.00030	<0.0030
Ethylbenzene	mg/L	0.026 J	<0.00030	<0.00030	<0.00030	0.034 J
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.050	<0.0010	<0.0010	<0.0010	<0.010
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	0.064	<0.00020	<0.00020	<0.00020	<0.0020
Vinyl chloride	mg/L	--	--	<0.00020	<0.00020	<0.0020
Xylenes (total)	mg/L	0.063 J	<0.00030	<0.00030	<0.00030	0.053 J
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	0.00084	<0.00021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	0.33	<0.00040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	0.00013 J	<0.00058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	0.000059 J	<0.00042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	0.000088 J	<0.00021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.0076	<0.00019	0.000040 J	<0.000019	0.051 J
4,6-Dinitro-2-methylphenol	mg/L	0.00031 J	<0.00020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.018	<0.00027	<0.000027	<0.000027	0.061
Acenaphthylene	mg/L	0.00027	<0.00015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	0.00054	<0.00014	<0.000014	<0.000014	0.0020 J
Benzo(a)anthracene	mg/L	<0.000050	<0.00050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.00020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	0.0027	<0.00030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.00037	0.000059 J	<0.000037	<0.000037
Chrysene	mg/L	0.000030 J	<0.00021	<0.000021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-79A	MW-80B	MW-81B	MW-82B	MW-83B
Sample Name:		WG-1620-MW79A-20240730	WG-1620-MW80B-20240905	WG-1620-MW81B-20240725	WG-1620-MW82B-20240724	WG-1620-MW83B-20240724
Sample Date:		07/30/2024	09/05/2024	07/25/2024	07/24/2024	07/24/2024
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	0.000021 J	<0.00020	0.000027 J	<0.000020	<0.000020
Dibenzofuran	mg/L	0.0077	<0.00020	<0.000020	<0.000020	0.014 J
Fluoranthene	mg/L	0.00036	<0.00010	<0.000010	<0.000010	0.0015 J
Fluorene	mg/L	0.0061	<0.00030	<0.000030	<0.000030	0.018 J
N-Nitrosodiphenylamine	mg/L	0.00043	<0.00025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	0.0060	<0.00020	0.00026	<0.000020	1.1 J
Nitrobenzene	mg/L	0.00011 J	<0.00024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.0031	<0.00021	<0.000021	<0.000021	0.0083 J
Phenol	mg/L	0.0014	<0.00035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.00025	<0.00019	<0.000019	<0.000019	0.0011 J
Metals						
Arsenic	mg/L	0.00344	0.000952 J	0.000583 J	0.000965 J	0.0606

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-83B	MW-83C	MW-84A	MW-84B	MW-86C
Sample Name:		WG-1620-FD01-20240724	WG-1620-MW83C-20240724	WG-1620-MW84A-20240729	WG-1620-MW84B-20240726	WG-1620-MW86C-20240802
Sample Date:		07/24/2024	07/24/2024	07/29/2024	07/26/2024	08/02/2024
		Duplicate				
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.000372
Benzene	mg/L	0.026 J	<0.00020	<0.00020	<0.00020	<0.000460
Chlorobenzene	mg/L	<0.0030	<0.00030	<0.00030	<0.00030	<0.000455
Ethylbenzene	mg/L	0.091 J	<0.00030	<0.00030	<0.00030	<0.000385
m&p-Xylenes	mg/L	--	--	--	--	<0.00124
Methylene chloride	mg/L	<0.010	<0.0010	<0.0010	<0.0010	<0.00173
o-Xylene	mg/L	--	--	--	--	<0.000502
Toluene	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.000475
Vinyl chloride	mg/L	<0.0020	<0.00020	--	<0.00020	--
Xylenes (total)	mg/L	0.10 J	<0.00030	<0.00030	<0.00030	<0.00124
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.085 J	<0.000019	<0.000019	<0.000019	0.000064 J
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.081	<0.000027	<0.000027	<0.000027	0.000039 J
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	0.0028 J	<0.000014	<0.000014	<0.000014	0.00013
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-83B	MW-83C	MW-84A	MW-84B	MW-86C
Sample Name:		WG-1620-FD01-20240724	WG-1620-MW83C-20240724	WG-1620-MW84A-20240729	WG-1620-MW84B-20240726	WG-1620-MW86C-20240802
Sample Date:		07/24/2024	07/24/2024	07/29/2024	07/26/2024	08/02/2024
		Duplicate				
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.022 J	<0.000020	<0.000020	<0.000020	0.000049 J
Fluoranthene	mg/L	0.0023 J	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.026 J	<0.000030	<0.000030	<0.000030	0.000051 J
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	2.1 J	0.00039	0.00017	0.00025	0.00036
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.016 J	<0.000021	<0.000021	<0.000021	0.00010
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.0016 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.0717	<0.000400	0.00218	0.000786 J	<0.000400

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

	Location ID:	MW-87C	MW-88A	MW-88B	MW-88C	MW-89B
	Sample Name:	WG-1620-MW87C-20240730	WG-1620-MW88A-20240729	WG-1620-MW88B-20240729	WG-1620-MW88C-20240730	WG-1620-MW89B-20240726
	Sample Date:	07/30/2024	07/29/2024	07/29/2024	07/29/2024	07/26/2024
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	<0.00020
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	0.00011 J	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	0.00023
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	0.00041 J	<0.000047	<0.000047
Acenaphthene	mg/L	0.000048 J	0.000049 J	<0.000027	<0.000027	0.00016
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	0.000056 J	<0.000014	<0.000014	0.000042 J
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		**MW-87C**	**MW-88A**	**MW-88B**	**MW-88C**	**MW-89B**
Sample Name:		**WG-1620-MW87C-20240730**	**WG-1620-MW88A-20240729**	**WG-1620-MW88B-20240729**	**WG-1620-MW88C-20240730**	**WG-1620-MW89B-20240726**
Sample Date:		**07/30/2024**	**07/29/2024**	**07/29/2024**	**07/29/2024**	**07/26/2024**
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	0.00033
Fluoranthene	mg/L	0.00014	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	0.00022
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	0.000031 J	0.000041 J	<0.000020	<0.000020	0.0016
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.000070 J	<0.000021	<0.000021	<0.000021	0.00030
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.000097 J	0.00015	<0.000019	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.000418 J	0.00203	0.000943 J	0.000475 J	0.00120 J

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-91A	MW-91A	MW-92B	MW-93B	MW-94A
Sample Name:		WG-1620-MW91A-20240730	WG-1620-FD03-20240730	WG-1620-MW92B-20240724	WG-1620-MW93B-20240724	WG-1620-MW94A-20240724
Sample Date:		07/30/2024	07/30/2024	07/24/2024	07/24/2024	07/24/2024
			Duplicate			
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
m&p-Xylenes	mg/L	--	--	--	--	--
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
o-Xylene	mg/L	--	--	--	--	--
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	<0.00020	<0.00020	<0.00020
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019 J	0.00070 J	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027 J	0.00017 J	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		MW-91A	MW-91A	MW-92B	MW-93B	MW-94A
Sample Name:		WG-1620-MW91A-20240730	WG-1620-FD03-20240730	WG-1620-MW92B-20240724	WG-1620-MW93B-20240724	WG-1620-MW94A-20240724
Sample Date:		07/30/2024	07/30/2024	07/24/2024	07/24/2024	07/24/2024
			Duplicate			
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020 J	0.00019 J	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	<0.000030 J	0.000058 J	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020 J	0.013 J	<0.000020	<0.000020	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.0113	0.0111	0.00154 J	0.00195 J	0.00488

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:	MW-95A	MW-96B	MW-97A	MW-98A
Sample Name:	WG-1620-MW95A-20240805	WG-1620-MW96B-20240805	WG-1620-MW97A-20240724	WG-1620-MW98A-20240906
Sample Date:	08/05/2024	08/05/2024	07/24/2024	09/06/2024
Parameters	**Unit**			
Volatile Organic Compounds				
1,2-Dichloroethane	mg/L	<0.000372	<0.000372	<0.00020	<0.00020
Benzene	mg/L	<0.000460	<0.000460	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.000455	<0.000455	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.000385	<0.000385	<0.00030	<0.00030
m&p-Xylenes	mg/L	<0.00124	<0.00124	--	--
Methylene chloride	mg/L	<0.00173	<0.00173	<0.0010	<0.0010
o-Xylene	mg/L	<0.000502	<0.000502	--	--
Toluene	mg/L	<0.000475	<0.000475	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--
Xylenes (total)	mg/L	<0.00124	<0.00124	<0.00030	<0.00030
Semi-volatile Organic Compounds				
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	0.000051 J	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	0.000042 J	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		**MW-95A**	**MW-96B**	**MW-97A**	**MW-98A**
Sample Name:		**WG-1620-MW95A-20240805**	**WG-1620-MW96B-20240805**	**WG-1620-MW97A-20240724**	**WG-1620-MW98A-20240906**
Sample Date:		**08/05/2024**	**08/05/2024**	**07/24/2024**	**09/06/2024**
Parameters	**Unit**				
Semi-volatile Organic Compounds (Continued)					
Di-n-butylphthalate (DBP)	mg/L	<0.000041	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	0.000056 J	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	0.000033 J	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	0.000042 J	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000096	<0.000020	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000078	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019
Metals					
Arsenic	mg/L	<0.000617	<0.000400	0.000716 J	0.00567

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:	MW-98B	MW-99C	P-11	TW-41B
Sample Name:	WG-1620-MW98B-20240906	WG-1620-MW-99C-20240731	WG-1620-P11-20240802	WG-1620-TW41B-20240802
Sample Date:	09/06/2024	07/31/2024	08/02/2024	08/02/2024
Parameters	**Unit**			
Volatile Organic Compounds				
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.000372	<0.000372
Benzene	mg/L	<0.00020	<0.00020	<0.000460	0.00111
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.000455	<0.000455
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.000385	0.00223
m&p-Xylenes	mg/L	--	--	<0.00124	0.0112
Methylene chloride	mg/L	<0.0010	<0.0010	<0.00173	<0.00173
o-Xylene	mg/L	--	--	<0.000502	0.00363
Toluene	mg/L	<0.00020	<0.00020	<0.000475	0.00113
Vinyl chloride	mg/L	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00124	0.0148
Semi-volatile Organic Compounds				
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021 J	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	0.000052 J	<0.000040 J	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058 J	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042 J	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021 J	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019 J	0.0045	0.071
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020 J	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047 J	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	<0.000027 J	0.063	0.11
Acenaphthylene	mg/L	<0.000015	<0.000015 J	<0.000015	0.0012
Anthracene	mg/L	<0.000014	<0.000014 J	0.0033	0.0044
Benzo(a)anthracene	mg/L	<0.000050	<0.000050 J	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020 J	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030 J	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037 J	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021 J	<0.000021	<0.000021

Table 2

Analytical Results Summary
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Location ID:		**MW-98B**	**MW-99C**	**P-11**	**TW-41B**
Sample Name:		**WG-1620-MW98B-20240906**	**WG-1620-MW-99C-20240731**	**WG-1620-P11-20240802**	**WG-1620-TW41B-20240802**
Sample Date:		**09/06/2024**	**07/31/2024**	**08/02/2024**	**08/02/2024**
Parameters	**Unit**				
Semi-volatile Organic Compounds (Continued)					
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020 J	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020 J	0.025	0.060
Fluoranthene	mg/L	<0.000010	<0.000010 J	0.0037	0.0034
Fluorene	mg/L	<0.000030	<0.000030 J	0.030	0.064
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025 J	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000020 J	0.14	0.17
Nitrobenzene	mg/L	<0.000024	<0.000024 J	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079 J	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021 J	0.036	0.032
Phenol	mg/L	<0.000035	<0.000035 J	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019 J	0.0018	0.0014
Metals					
Arsenic	mg/L	0.00203	0.000778 J	0.0562	0.0909

Notes:

< - Not detected at the associated reporting limit
J - Estimated concentration
JL - Estimated concentration; biased low
R - Rejected
"--" - Not applicable

Table 3

Analytical Methods
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Extraction to Analysis (Days)
VOCs	SW-846 8260B	Water	-	14
SVOCs	SW-846 8270D	Water	7	40
Arsenic	SW-846 6020C	Water	-	180

Notes:

VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
"-" - Not Applicable

Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Holding Time Exceedance
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Holding Time (days)	Holding Time Criteria (days)	Analyte	Qualified Sample Results		Units
VOCs	WG-1620-MW32B-20240726	15	14	1,2-Dichloroethane	<0.010	JL	mg/L
				Benzene	1.5	JL	mg/L
				Chlorobenzene	<0.015	JL	mg/L
				Ethylbenzene	0.30	JL	mg/L
				Methylene chloride	<0.050	JL	mg/L
				Toluene	1.3	JL	mg/L
				Vinyl chloride	<0.010	JL	mg/L
				Xylenes (total)	0.82	JL	mg/L

Notes:

VOCs - Volatile Organic Compounds
< - Not detected at the associated reporting limit
JL - Estimated concentration; biased low

Table 5

Qualified Sample Results Due to Internal Standard (IS) Recoveries <50%
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Analytes	Qualified Results	Units
SVOCs	WG-1620-FD04-20240731	1,2-Diphenylhydrazine	<0.000021 J	mg/L
		2,4-Dimethylphenol	<0.000040 J	mg/L
		2,4-Dinitrotoluene	<0.000058 J	mg/L
		2,6-Dinitrotoluene	<0.000042 J	mg/L
		2-Chloronaphthalene	<0.000021 J	mg/L
		2-Methylnaphthalene	<0.000019 J	mg/L
		4,6-Dinitro-2-methylphenol	<0.000020 J	mg/L
		4-Nitrophenol	<0.000047 J	mg/L
		Acenaphthene	<0.000027 J	mg/L
		Acenaphthylene	<0.000015 J	mg/L
		Anthracene	0.000028 J	mg/L
		Benzo(a)anthracene	<0.000050 J	mg/L
		Benzo(a)pyrene	<0.000020 J	mg/L
		bis(2-Chloroethoxy)methane	<0.000030 J	mg/L
		bis(2-Ethylhexyl)phthalate (DEHP)	0.00014 J	mg/L
		Chrysene	0.000027 J	mg/L
		Dibenzofuran	0.000024 J	mg/L
		Di-n-butylphthalate (DBP)	0.000042 J	mg/L
		Fluoranthene	0.000057 J	mg/L
		Fluorene	<0.000030 J	mg/L
		Naphthalene	<0.000020 J	mg/L
		Nitrobenzene	<0.000024 J	mg/L
		N-Nitrosodiphenylamine	<0.000025 J	mg/L
		Pentachlorophenol	<0.000079 J	mg/L
		Phenanthrene	0.000053 J	mg/L
		Phenol	<0.000035 J	mg/L
		Pyrene	0.000064 J	mg/L
SVOCs	WG-1620-MW39B-20240726	1,2-Diphenylhydrazine	<0.000021 J	mg/L
		2,4-Dimethylphenol	<0.000040 J	mg/L

Table 5

Qualified Sample Results Due to Internal Standard (IS) Recoveries <50%
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW39B-20240726	2,4-Dinitrotoluene	<0.000058 J	mg/L
		2,6-Dinitrotoluene	<0.000042 J	mg/L
		2-Chloronaphthalene	<0.000021 J	mg/L
		2-Methylnaphthalene	0.00021 J	mg/L
		4,6-Dinitro-2-methylphenol	<0.000020 J	mg/L
		4-Nitrophenol	<0.000047 J	mg/L
		Acenaphthene	0.036 J	mg/L
		Acenaphthylene	0.00024 J	mg/L
		Anthracene	0.00099 J	mg/L
		Benzo(a)anthracene	<0.000050 J	mg/L
		Benzo(a)pyrene	<0.000020 J	mg/L
		bis(2-Chloroethoxy)methane	<0.000030 J	mg/L
		bis(2-Ethylhexyl)phthalate (DEHP)	<0.000037 J	mg/L
		Chrysene	<0.000021 J	mg/L
		Dibenzofuran	0.00014 J	mg/L
		Di-n-butylphthalate (DBP)	<0.000020 J	mg/L
		Fluoranthene	0.0015 J	mg/L
		Fluorene	0.0072 J	mg/L
		Naphthalene	0.00022 J	mg/L
		Nitrobenzene	<0.000024 J	mg/L
		N-Nitrosodiphenylamine	<0.000025 J	mg/L
		Pentachlorophenol	<0.000079 J	mg/L
		Phenanthrene	<0.000021 J	mg/L
		Phenol	<0.000035 J	mg/L
		Pyrene	0.00090 J	mg/L
SVOCs	WG-1620-MW40B-20240726	1,2-Diphenylhydrazine	<0.000021 J	mg/L
		2,4-Dimethylphenol	0.00042 J	mg/L
		2,4-Dinitrotoluene	<0.000058 J	mg/L
		2,6-Dinitrotoluene	<0.000042 J	mg/L

Table 5

Qualified Sample Results Due to Internal Standard (IS) Recoveries <50%
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW40B-20240726	2-Chloronaphthalene	<0.000021 J	mg/L
		2-Methylnaphthalene	<0.19 J	mg/L
		4,6-Dinitro-2-methylphenol	<0.000020 J	mg/L
		4-Nitrophenol	<0.000047 J	mg/L
		Acenaphthene	<0.27 J	mg/L
		Acenaphthylene	0.00099 J	mg/L
		Anthracene	0.0065 J	mg/L
		Benzo(a)anthracene	<0.000050 J	mg/L
		Benzo(a)pyrene	<0.000020 J	mg/L
		bis(2-Chloroethoxy)methane	<0.000030 J	mg/L
		bis(2-Ethylhexyl)phthalate (DEHP)	0.00016 J	mg/L
		Chrysene	<0.000021 J	mg/L
		Dibenzofuran	0.071 J	mg/L
		Di-n-butylphthalate (DBP)	<0.000020 J	mg/L
		Fluoranthene	0.0039 J	mg/L
		Fluorene	0.072 J	mg/L
		Naphthalene	2.9 J	mg/L
		Nitrobenzene	<0.000024 J	mg/L
		N-Nitrosodiphenylamine	<0.000025 J	mg/L
		Pentachlorophenol	<0.000079 J	mg/L
		Phenanthrene	0.065 J	mg/L
		Phenol	<0.000035 J	mg/L
		Pyrene	0.0016 J	mg/L
SVOCs	WG-1620-MW-54B-20240731	1,2-Diphenylhydrazine	<0.000021 J	mg/L
		2,4-Dimethylphenol	<0.000040 J	mg/L
		2,4-Dinitrotoluene	<0.000058 J	mg/L
		2,6-Dinitrotoluene	<0.000042 J	mg/L
		2-Chloronaphthalene	<0.000021 J	mg/L
		2-Methylnaphthalene	<0.000019 J	mg/L

Table 5

Qualified Sample Results Due to Internal Standard (IS) Recoveries <50%
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW-54B-20240731	4,6-Dinitro-2-methylphenol	<0.000020 J	mg/L
		4-Nitrophenol	<0.000047 J	mg/L
		Acenaphthene	<0.000027 J	mg/L
		Acenaphthylene	<0.000015 J	mg/L
		Anthracene	<0.000014 J	mg/L
		Benzo(a)anthracene	<0.000050 J	mg/L
		Benzo(a)pyrene	<0.000020 J	mg/L
		bis(2-Chloroethoxy)methane	<0.000030 J	mg/L
		bis(2-Ethylhexyl)phthalate (DEHP)	<0.000037 J	mg/L
		Chrysene	<0.000021 J	mg/L
		Dibenzofuran	<0.000020 J	mg/L
		Di-n-butylphthalate (DBP)	<0.000020 J	mg/L
		Fluoranthene	<0.000010 J	mg/L
		Fluorene	<0.000030 J	mg/L
		Naphthalene	<0.000020 J	mg/L
		Nitrobenzene	<0.000024 J	mg/L
		N-Nitrosodiphenylamine	<0.000025 J	mg/L
		Pentachlorophenol	<0.000079 J	mg/L
		Phenanthrene	<0.000021 J	mg/L
		Phenol	<0.000035 J	mg/L
		Pyrene	<0.000019 J	mg/L
SVOCs	WG-1620-MW-54C-20240731	1,2-Diphenylhydrazine	<0.000021 J	mg/L
		2,4-Dimethylphenol	<0.000040 J	mg/L
		2,4-Dinitrotoluene	<0.000058 J	mg/L
		2,6-Dinitrotoluene	<0.000042 J	mg/L
		2-Chloronaphthalene	<0.000021 J	mg/L
		2-Methylnaphthalene	0.00060 J	mg/L
		4,6-Dinitro-2-methylphenol	<0.000020 J	mg/L
		4-Nitrophenol	<0.000047 J	mg/L

Table 5

Qualified Sample Results Due to Internal Standard (IS) Recoveries <50%
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW-54C-20240731	Acenaphthene	0.025 J	mg/L
		Acenaphthylene	0.00026 J	mg/L
		Anthracene	0.0010 J	mg/L
		Benzo(a)anthracene	<0.000050 J	mg/L
		Benzo(a)pyrene	<0.000020 J	mg/L
		bis(2-Chloroethoxy)methane	<0.000030 J	mg/L
		bis(2-Ethylhexyl)phthalate (DEHP)	<0.000037 J	mg/L
		Chrysene	<0.000021 J	mg/L
		Dibenzofuran	0.020 J	mg/L
		Di-n-butylphthalate (DBP)	<0.000020 J	mg/L
		Fluoranthene	0.0023 J	mg/L
		Fluorene	0.013 J	mg/L
		Naphthalene	0.0016 J	mg/L
		Nitrobenzene	<0.000024 J	mg/L
		N-Nitrosodiphenylamine	<0.000025 J	mg/L
		Pentachlorophenol	<0.000079 J	mg/L
		Phenanthrene	0.0025 J	mg/L
		Phenol	<0.000035 J	mg/L
		Pyrene	0.0012 J	mg/L
SVOCs	WG-1620-MW75B-20240725	1,2-Diphenylhydrazine	<0.0021 J	mg/L
		2,4-Dimethylphenol	0.34 J	mg/L
		2,4-Dinitrotoluene	<0.0058 J	mg/L
		2,6-Dinitrotoluene	<0.0042 J	mg/L
		2-Chloronaphthalene	<0.0021 J	mg/L
		2-Methylnaphthalene	6.2 J	mg/L
		4,6-Dinitro-2-methylphenol	<0.0020 J	mg/L
		4-Nitrophenol	<0.0047 J	mg/L
		Acenaphthene	4.9 J	mg/L
		Acenaphthylene	0.060 J	mg/L

Table 5

Qualified Sample Results Due to Internal Standard (IS) Recoveries <50%
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW75B-20240725	Anthracene	2.4 J	mg/L
		Benzo(a)anthracene	0.38 J	mg/L
		Benzo(a)pyrene	0.13 J	mg/L
		bis(2-Chloroethoxy)methane	<0.0030 J	mg/L
		bis(2-Ethylhexyl)phthalate (DEHP)	<0.0037 J	mg/L
		Chrysene	0.40 J	mg/L
		Dibenzofuran	4.3 J	mg/L
		Di-n-butylphthalate (DBP)	<0.0020 J	mg/L
		Fluoranthene	4.7 J	mg/L
		Fluorene	4.8 J	mg/L
		Naphthalene	29 J	mg/L
		Nitrobenzene	<0.0024 J	mg/L
		N-Nitrosodiphenylamine	<0.0025 J	mg/L
		Pentachlorophenol	<0.0079 J	mg/L
		Phenanthrene	14 J	mg/L
		Phenol	<0.0035 J	mg/L
		Pyrene	3.1 J	mg/L
SVOCs	WG-1620-MW-99C-20240731	1,2-Diphenylhydrazine	<0.000021 J	mg/L
		2,4-Dimethylphenol	<0.000040 J	mg/L
		2,4-Dinitrotoluene	<0.000058 J	mg/L
		2,6-Dinitrotoluene	<0.000042 J	mg/L
		2-Chloronaphthalene	<0.000021 J	mg/L
		2-Methylnaphthalene	<0.000019 J	mg/L
		4,6-Dinitro-2-methylphenol	<0.000020 J	mg/L
		4-Nitrophenol	<0.000047 J	mg/L
		Acenaphthene	<0.000027 J	mg/L
		Acenaphthylene	<0.000015 J	mg/L
		Anthracene	<0.000014 J	mg/L
		Benzo(a)anthracene	<0.000050 J	mg/L

Table 5

Qualified Sample Results Due to Internal Standard (IS) Recoveries <50%
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW-99C-20240731	Benzo(a)pyrene	<0.000020 J	mg/L
		bis(2-Chloroethoxy)methane	<0.000030 J	mg/L
		bis(2-Ethylhexyl)phthalate (DEHP)	<0.000037 J	mg/L
		Chrysene	<0.000021 J	mg/L
		Dibenzofuran	<0.000020 J	mg/L
		Di-n-butylphthalate (DBP)	<0.000020 J	mg/L
		Fluoranthene	<0.000010 J	mg/L
		Fluorene	<0.000030 J	mg/L
		Naphthalene	<0.000020 J	mg/L
		Nitrobenzene	<0.000024 J	mg/L
		N-Nitrosodiphenylamine	<0.000025 J	mg/L
		Pentachlorophenol	<0.000079 J	mg/L
		Phenanthrene	<0.000021 J	mg/L
		Phenol	<0.000035 J	mg/L
		Pyrene	<0.000019 J	mg/L

Notes:

SVOCs - Semi-volatile Organic Compounds
< - Not detected at the associated reporting limit
J - Estimated concentration

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
SVOCs	WG-1620-MW28C-20240730	2,4,6-Tribromophenol	6.96	34-129	1,2-Diphenylhydrazine	R	
		2-Fluorophenol	17.3	20-120	2,4-Dimethylphenol	R	
					2,4-Dinitrotoluene	R	
					2,6-Dinitrotoluene	R	
					2-Chloronaphthalene	R	
					2-Methylnaphthalene	R	
					4,6-Dinitro-2-methylphenol	R	
					4-Nitrophenol	R	
					Acenaphthene	R	
					Acenaphthylene	R	
					Anthracene	R	
					Benzo(a)anthracene	R	
					Benzo(a)pyrene	R	
					bis(2-Chloroethoxy)methane	R	
					bis(2-Ethylhexyl)phthalate (DEHP)	R	
					Chrysene	R	
					Dibenzofuran	R	
					Di-n-butylphthalate (DBP)	R	
					Fluoranthene	R	

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result		Units
SVOCs	WG-1620-MW28C-20240730	2,4,6-Tribromophenol	6.96	34-129	Fluorene		R	
		2-Fluorophenol	17.3	20-120	Naphthalene	0.000045	JL	mg/L
					Nitrobenzene		R	
					N-Nitrosodiphenylamine		R	
					Pentachlorophenol		R	
					Phenanthrene	0.000048	JL	mg/L
					Phenol		R	
					Pyrene		R	

Notes:

SVOCs - Semi-volatile Organic Compounds
JL - Estimated concentration; biased low
R - Rejected

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	4-Nitrophenol	08/03/2024	101	81.4	21.3	30-130	20	WG-1620-MW35B-20240724	0.0013 J	mg/L

Notes:

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
RPD - Relative Percent Difference
SVOCs - Semi-volatile Organic Compounds
J - Estimated concentration

Table 8

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Field Blank ID	Blank Date (mm/dd/yyyy)	Analyte	Blank Result	Associated Sample ID	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB06-20240805	8/5/2024	Di-n-butylphthalate (DBP)	0.000041 J	WG-1620-MW04-20240805	0.000047 J	<0.000047	mg/L
					WG-1620-MW09-20240805	0.000023 J	<0.000023	mg/L
					WG-1620-MW95A-20240805	0.000041 J	<0.000041	mg/L
			Naphthalene	0.000022 J	WG-1620-MW04-20240805	0.000048 J	<0.000048	mg/L
					WG-1620-MW21C-20240805	0.000036 J	<0.000036	mg/L
					WG-1620-MW22AR-20240805	0.000032 J	<0.000032	mg/L
					WG-1620-MW22BR-20240805	0.000060 J	<0.000060	mg/L
					WG-1620-MW96B-20240805	0.000096 J	<0.000096	mg/L
			Phenanthrene	0.000030 J	WG-1620-MW03-20240805	0.000069 J	<0.000069	mg/L
					WG-1620-MW04-20240805	0.000056 J	<0.000056	mg/L
					WG-1620-MW09-20240805	0.000032 J	<0.000032	mg/L
					WG-1620-MW21C-20240805	0.000039 J	<0.000039	mg/L
					WG-1620-MW96B-20240805	0.000078 J	<0.000078	mg/L
Metals			Arsenic	0.000880 J	WG-1620-MW03-20240805	0.000782 J	<0.000782	mg/L
					WG-1620-MW09-20240805	0.00112 J	<0.00112	mg/L

Table 8

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Field Blank ID	Blank Date (mm/dd/yyyy)	Analyte	Blank Result	Associated Sample ID	Original Result	Qualified Result	Units
Metals	WG-1620-FB06-20240805		Arsenic	0.000880 J	WG-1620-MW21C-20240805	0.000871 J	<0.000871	mg/L
					WG-1620-MW95A-20240805	0.000617 J	<0.000617	mg/L

Notes:

SVOCs - Semi-volatile Organic Compounds
< - Not detected at the associated reporting limit
J - Estimated concentration

Table 9

Qualified Sample Data Due to Variability in Field Duplicate Results
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Analyte	RPD	Difference	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
VOCs	Benzene	66.7	0.039	WG-1620-MW83B-20240724	0.013 J	WG-1620-FD01-20240724	0.026 J	mg/L
	Ethylbenzene	91.2	0.125		0.034 J		0.091 J	mg/L
	Xylenes (total)	61.4	0.153		0.053 J		0.10 J	mg/L
SVOCs	2-Methylnaphthalene	50.0	0.136		0.051 J		0.085 J	mg/L
	Anthracene	33.3	0.0048		0.0020 J		0.0028 J	mg/L
	Dibenzofuran	44.4	0.036		0.014 J		0.022 J	mg/L
	Fluoranthene	42.1	0.0038		0.0015 J		0.0023 J	mg/L
	Fluorene	36.4	0.044		0.018 J		0.026 J	mg/L
	Naphthalene	32.5	3.2		1.1 J		2.1 J	mg/L
	Phenanthrene	36.4	0.0243		0.0083 J		0.016 J	mg/L
	Pyrene	37.0	0.0027		0.0011 J		0.0016 J	mg/L
SVOCs	2-Methylnaphthalene	53.8	0.000052	WG-1620-MW33A-20240729	0.000033 J	WG-1620-FD02-20240729	<0.000019 J	mg/L
	Acenaphthene	156	0.000247		<0.000027 J		0.00022 J	mg/L
	Anthracene	83.3	0.000048		0.000034 J		<0.000014 J	mg/L
	Dibenzofuran	104	0.000084		0.000064 J		<0.000020 J	mg/L

Table 9

Qualified Sample Data Due to Variability in Field Duplicate Results
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Analyte	RPD	Difference	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
SVOCs	Fluorene	51.9	0.000081	WG-1620-MW33A-20240729	0.000051 J	WG-1620-FD02-20240729	<0.000030 J	mg/L
	Naphthalene	48.3	0.00029		0.00011 J		0.00018 J	mg/L
	Phenanthrene	162	0.000221		0.00020 J		<0.000021 J	mg/L
SVOCs	2-Methylnaphthalene	189	0.000719	WG-1620-MW91A-20240730	<0.000019 J	WG-1620-FD03-20240730	0.00070 J	mg/L
	Acenaphthene	145	0.000197		<0.000027 J		0.00017 J	mg/L
	Dibenzofuran	161	0.00021		<0.000020 J		0.00019 J	mg/L
	Fluorene	63.6	0.000088		<0.000030 J		0.000058 J	mg/L
	Naphthalene	199	0.01302		<0.000020 J		0.013 J	mg/L
SVOCs	Anthracene	66.7	0.000042	WG-1620-MW-36B-20240731	<0.000014 J	WG-1620-FD04-20240731	0.000028 J	mg/L
	bis(2-Ethylhexyl)phthalate (DEHP)	116	0.000177		<0.000037 J		0.00014 J	mg/L
	Di-n-butylphthalate (DBP)	62.5	0.000064		0.000022 J		0.000042 J	mg/L
	Fluoranthene	125	0.00007		0.000013 J		0.000057 J	mg/L
	Naphthalene	73.0	0.000063		0.000043 J		<0.000020 J	mg/L

Table 9

Qualified Sample Data Due to Variability in Field Duplicate Results
HWPW - Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July-September 2024

Parameter	Analyte	RPD	Difference	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
SVOCs	Phenanthrene	86.5	0.000074	WG-1620-MW-36B-20240731	<0.000021 J	WG-1620-FD04-20240731	0.000053 J	mg/L
SVOCs	2-Methylnaphthalene	37.6	0.00101	WG-1620-MW-54C-20240731	0.00060 J	WG-1620-FD05-20240731	0.00041 J	mg/L
	Acenaphthylene	31.1	0.00045		0.00026 J		0.00019 J	mg/L
	Anthracene	36.7	0.00169		0.0010 J		0.00069 J	mg/L
	Fluoranthene	42.1	0.0038		0.0023 J		0.0015 J	mg/L
	Fluorene	33.2	0.0223		0.013 J		0.0093 J	mg/L
	Naphthalene	46.2	0.0026		0.0016 J		0.0010 J	mg/L
	Pyrene	42.4	0.00198		0.0012 J		0.00078 J	mg/L

Notes:

RPD - Relative Percent Difference
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
J - Estimated concentration
< - Not detected at the associated reporting limit

Attachment A

Laboratory NELAP Certificates

Texas Commission on Environmental Quality

Certificate of Accreditation

Accreditation is hereby granted to

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

10450 Stancliff Road, Suite 210
Houston, TX 77099-4338

State Lab ID: T104704231
Effective Date: 05/01/2024
Expiration Date: 04/30/2025
Document ID: TX-C24-00130

Conditions of Accreditation

This laboratory has been found to conform with TCEQ rules and applicable standards for laboratory accreditation. The scope of accreditation is limited to the Fields of Accreditation specifically listed on the subsequent page(s) of this certificate. Accreditation is for all version of a method approved per 40 CFR 136, 40 CFR 141, and/ or 40 CFR 143. Continued accreditation requires ongoing compliance with all applicable standards and requirements.

Issued By: Kelly Keel, Executive Director Texas Commission on Environmental Quality
Date Issued: 05/01/2024

Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to

Eurofins Houston

4147 Greenbriar Dr.
Stafford, TX 77477

in accordance with Texas Water Code Chapter 5, Subchapter R, Title 30 Texas Administrative Code Chapter 25, and the National Environmental Laboratory Accreditation Program.

The laboratory's scope of accreditation includes the fields of accreditation that accompany this certificate. Continued accreditation depends upon successful ongoing participation in the program. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current location(s) and accreditation status for particular methods and analyses (www.tceq.texas.gov/goto/lab). Accreditation does not imply that a product, process, system or person is approved by the Texas Commission on Environmental Quality.

Certificate Number: T104704215-23-53
Effective Date: 8/31/2023
Expiration Date: 6/30/2024

Executive Director Texas Commission on Environmental Quality

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 05, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24071470**

Laboratory Results for: **Houston TX-Wood Preserve Works**

Dear Manny Higa ,

ALS Environmental received 3 sample(s) on Jul 24, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserve Works	
WorkOrder:	**HS24071470**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserve Works
WorkOrder:	**HS24071470**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/05/2024					
Project Name: Houston TX-Wood Preserve Works			Laboratory Job Number: HS24071470					
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215390,215486,R473029					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?		X			1	
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?		X			2	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3	
		Were MS/MSD RPDs within laboratory QC limits?	X					
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/05/2024				
Project Name: Houston TX-Wood Preserve Works			Laboratory Job Number: HS24071470				
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215390,215486,R473029				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			4
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/05/2024
Project Name: Houston TX-Wood Preserve Works	Laboratory Job Number: HS24071470
Reviewer Name: Luis.Aguilar	Prep Batch Number(s): 215390,215486,R473029

ER#[5]	Description
1	Batch 215486, Semivolatiles Method SW8270, LCS/LCSD RPD recovered above the RPD limit for 4-Nitrophenol. The individual recoveries met acceptance criteria.
2	Batch 215486, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	Batch R473029, Volatiles Method SW8260, sample HS24071378-05, MS and MSD were performed on unrelated sample
4	Batch 215390, Metals Method SW6020, sample HS24071213-09, PDS was performed on unrelated sample

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Work Order: HS24071470

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24071470-01	WG-1620-MW76C-20240724	Groundwater		24-Jul-2024 14:27	24-Jul-2024 18:30	☐
HS24071470-02	WG-1620-MW76B-20240724	Groundwater		24-Jul-2024 15:43	24-Jul-2024 18:30	☐
HS24071470-03	WG-1620-MW97A-20240724	Groundwater		24-Jul-2024 17:00	24-Jul-2024 18:30	☐

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW76C-20240724
Collection Date: 24-Jul-2024 14:27

ANALYTICAL REPORT
WorkOrder:HS24071470
Lab ID:HS24071470-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 12:27
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 12:27
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2024 12:27
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2024 12:27
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2024 12:27
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 12:27
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2024 12:27
Surr: 1,2-Dichloroethane-d4	*80.6*			*70-126*	*%REC*	*1*	*27-Jul-2024 12:27*
Surr: 4-Bromofluorobenzene	*91.3*			*77-113*	*%REC*	*1*	*27-Jul-2024 12:27*
Surr: Dibromofluoromethane	*92.2*			*77-123*	*%REC*	*1*	*27-Jul-2024 12:27*
Surr: Toluene-d8	*95.3*			*82-127*	*%REC*	*1*	*27-Jul-2024 12:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW76C-20240724
Collection Date: 24-Jul-2024 14:27

ANALYTICAL REPORT
WorkOrder:HS24071470
Lab ID:HS24071470-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 15:25
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2024 15:25
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2024 15:25
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2024 15:25
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 15:25
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 15:25
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2024 15:25
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2024 15:25
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2024 15:25
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2024 15:25
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2024 15:25
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2024 15:25
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:25
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2024 15:25
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2024 15:25
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 15:25
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2024 15:25
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:25
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2024 15:25
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2024 15:25
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2024 15:25
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:25
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2024 15:25
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2024 15:25
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 15:25
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2024 15:25
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 15:25
Surr: 2,4,6-Tribromophenol	*69.4*			*34-129*	*%REC*	*1*	*02-Aug-2024 15:25*
Surr: 2-Fluorobiphenyl	*61.9*			*40-125*	*%REC*	*1*	*02-Aug-2024 15:25*
Surr: 2-Fluorophenol	*53.4*			*20-120*	*%REC*	*1*	*02-Aug-2024 15:25*
Surr: 4-Terphenyl-d14	*71.7*			*40-135*	*%REC*	*1*	*02-Aug-2024 15:25*
Surr: Nitrobenzene-d5	*54.3*			*41-120*	*%REC*	*1*	*02-Aug-2024 15:25*
Surr: Phenol-d6	*59.3*			*20-120*	*%REC*	*1*	*02-Aug-2024 15:25*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2024		Analyst: JC
Arsenic	**0.00118**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 01:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW76B-20240724
Collection Date: 24-Jul-2024 15:43

ANALYTICAL REPORT
WorkOrder:HS24071470
Lab ID:HS24071470-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 12:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 12:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2024 12:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2024 12:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2024 12:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 12:50
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2024 12:50
Surr: 1,2-Dichloroethane-d4	*78.0*			*70-126*	*%REC*	*1*	*27-Jul-2024 12:50*
Surr: 4-Bromofluorobenzene	*90.2*			*77-113*	*%REC*	*1*	*27-Jul-2024 12:50*
Surr: Dibromofluoromethane	*89.2*			*77-123*	*%REC*	*1*	*27-Jul-2024 12:50*
Surr: Toluene-d8	*91.1*			*82-127*	*%REC*	*1*	*27-Jul-2024 12:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW76B-20240724
Collection Date: 24-Jul-2024 15:43

ANALYTICAL REPORT
WorkOrder:HS24071470
Lab ID:HS24071470-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 15:47
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2024 15:47
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2024 15:47
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2024 15:47
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 15:47
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 15:47
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2024 15:47
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2024 15:47
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2024 15:47
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2024 15:47
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2024 15:47
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2024 15:47
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:47
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2024 15:47
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2024 15:47
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 15:47
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2024 15:47
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:47
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2024 15:47
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2024 15:47
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2024 15:47
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:47
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2024 15:47
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2024 15:47
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 15:47
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2024 15:47
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 15:47
Surr: 2,4,6-Tribromophenol	*95.6*			*34-129*	*%REC*	*1*	*02-Aug-2024 15:47*
Surr: 2-Fluorobiphenyl	*77.0*			*40-125*	*%REC*	*1*	*02-Aug-2024 15:47*
Surr: 2-Fluorophenol	*49.0*			*20-120*	*%REC*	*1*	*02-Aug-2024 15:47*
Surr: 4-Terphenyl-d14	*75.1*			*40-135*	*%REC*	*1*	*02-Aug-2024 15:47*
Surr: Nitrobenzene-d5	*64.4*			*41-120*	*%REC*	*1*	*02-Aug-2024 15:47*
Surr: Phenol-d6	*53.2*			*20-120*	*%REC*	*1*	*02-Aug-2024 15:47*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2024		Analyst: JC
Arsenic	**0.000603**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 01:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW97A-20240724
Collection Date: 24-Jul-2024 17:00

ANALYTICAL REPORT
WorkOrder:HS24071470
Lab ID:HS24071470-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 13:13
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 13:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2024 13:13
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2024 13:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2024 13:13
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2024 13:13
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2024 13:13
Surr: 1,2-Dichloroethane-d4	*77.7*			*70-126*	*%REC*	*1*	*27-Jul-2024 13:13*
Surr: 4-Bromofluorobenzene	*88.3*			*77-113*	*%REC*	*1*	*27-Jul-2024 13:13*
Surr: Dibromofluoromethane	*89.0*			*77-123*	*%REC*	*1*	*27-Jul-2024 13:13*
Surr: Toluene-d8	*93.8*			*82-127*	*%REC*	*1*	*27-Jul-2024 13:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW97A-20240724
Collection Date: 24-Jul-2024 17:00

ANALYTICAL REPORT
WorkOrder:HS24071470
Lab ID:HS24071470-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 16:09
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2024 16:09
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2024 16:09
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2024 16:09
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 16:09
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 16:09
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2024 16:09
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2024 16:09
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2024 16:09
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2024 16:09
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2024 16:09
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2024 16:09
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 16:09
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2024 16:09
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2024 16:09
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 16:09
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2024 16:09
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 16:09
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2024 16:09
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2024 16:09
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2024 16:09
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 16:09
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2024 16:09
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2024 16:09
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 16:09
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2024 16:09
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 16:09
Surr: 2,4,6-Tribromophenol	*104*			*34-129*	*%REC*	*1*	*02-Aug-2024 16:09*
Surr: 2-Fluorobiphenyl	*70.0*			*40-125*	*%REC*	*1*	*02-Aug-2024 16:09*
Surr: 2-Fluorophenol	*57.4*			*20-120*	*%REC*	*1*	*02-Aug-2024 16:09*
Surr: 4-Terphenyl-d14	*70.8*			*40-135*	*%REC*	*1*	*02-Aug-2024 16:09*
Surr: Nitrobenzene-d5	*66.2*			*41-120*	*%REC*	*1*	*02-Aug-2024 16:09*
Surr: Phenol-d6	*58.8*			*20-120*	*%REC*	*1*	*02-Aug-2024 16:09*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2024		Analyst: JC
Arsenic	**0.000716**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 01:25

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

Batch ID: 215390 **Start Date:** 27 Jul 2024 08:00 **End Date:** 27 Jul 2024 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071470-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071470-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071470-03		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215486 **Start Date:** 30 Jul 2024 11:48 **End Date:** 30 Jul 2024 11:48
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071470-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071470-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071470-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215390 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24071470-01	WG-1620-MW76C-20240724	24 Jul 2024 14:27		27 Jul 2024 08:00	30 Jul 2024 01:21	1
HS24071470-02	WG-1620-MW76B-20240724	24 Jul 2024 15:43		27 Jul 2024 08:00	30 Jul 2024 01:23	1
HS24071470-03	WG-1620-MW97A-20240724	24 Jul 2024 17:00		27 Jul 2024 08:00	30 Jul 2024 01:25	1
Batch ID: 215486 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071470-01	WG-1620-MW76C-20240724	24 Jul 2024 14:27		30 Jul 2024 11:48	02 Aug 2024 15:25	1
HS24071470-02	WG-1620-MW76B-20240724	24 Jul 2024 15:43		30 Jul 2024 11:48	02 Aug 2024 15:47	1
HS24071470-03	WG-1620-MW97A-20240724	24 Jul 2024 17:00		30 Jul 2024 11:48	02 Aug 2024 16:09	1
Batch ID: R473029 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071470-01	WG-1620-MW76C-20240724	24 Jul 2024 14:27			27 Jul 2024 12:27	1
HS24071470-02	WG-1620-MW76B-20240724	24 Jul 2024 15:43			27 Jul 2024 12:50	1
HS24071470-03	WG-1620-MW97A-20240724	24 Jul 2024 17:00			27 Jul 2024 13:13	1

WorkOrder: HS24071470
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.000983	0.000400	0.00200

WorkOrder: HS24071470
InstrumentID: SV-7
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000097	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000074	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000099	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00010	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00010	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00025	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000047	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00010	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00010	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00013	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00011	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00011	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000065	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00012	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00012	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00011	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00011	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000092	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00011	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000089	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.000020	0.000027	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00012	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00013	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071470
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00047	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00049	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00041	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00050	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00047	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0014	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: 215390 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215390** Units: **mg/L** Analysis Date: **30-Jul-2024 00:25**
Client ID: Run ID: **ICPMS06_473067** SeqNo: **8166138** PrepDate: **27-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

MBLK Sample ID: **MBLK-215390** Units: **mg/L** Analysis Date: **31-Jul-2024 12:57**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8168109** PrepDate: **27-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215390** Units: **mg/L** Analysis Date: **31-Jul-2024 12:55**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8168108** PrepDate: **27-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04993	0.00200	0.05	0	99.9	80 - 120				

LCS Sample ID: **LCS-215390** Units: **mg/L** Analysis Date: **30-Jul-2024 00:27**
Client ID: Run ID: **ICPMS06_473067** SeqNo: **8166139** PrepDate: **27-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04878	0.00200	0.05	0	97.6	80 - 120				

MS Sample ID: **HS24071213-09MS** Units: **mg/L** Analysis Date: **30-Jul-2024 16:49**
Client ID: Run ID: **ICPMS06_473197** SeqNo: **8166473** PrepDate: **27-Jul-2024** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05013	0.0200	0.05	0.003121	94.0	80 - 120				

MS Sample ID: **HS24071213-09MS** Units: **mg/L** Analysis Date: **30-Jul-2024 00:33**
Client ID: Run ID: **ICPMS06_473067** SeqNo: **8166142** PrepDate: **27-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05646	0.00200	0.05	0.005436	102	80 - 120				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: 215390 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MSD Sample ID: **HS24071213-09MSD** Units: **mg/L** Analysis Date: **30-Jul-2024 16:51**
Client ID: Run ID: **ICPMS06_473197** SeqNo: **8166474** PrepDate: **27-Jul-2024** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04835	0.0200	0.05	0.003121	90.5	80 - 120	0.05013	3.62	20	

MSD Sample ID: **HS24071213-09MSD** Units: **mg/L** Analysis Date: **30-Jul-2024 00:35**
Client ID: Run ID: **ICPMS06_473067** SeqNo: **8166143** PrepDate: **27-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05618	0.00200	0.05	0.005436	101	80 - 120	0.05646	0.508	20	

PDS Sample ID: **HS24071213-09PDS** Units: **mg/L** Analysis Date: **30-Jul-2024 17:45**
Client ID: Run ID: **ICPMS06_473197** SeqNo: **8166519** PrepDate: **27-Jul-2024** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1024	0.0200	1	0.003121	9.92	75 - 125				S

PDS Sample ID: **HS24071213-09PDS** Units: **mg/L** Analysis Date: **30-Jul-2024 16:53**
Client ID: Run ID: **ICPMS06_473197** SeqNo: **8166475** PrepDate: **27-Jul-2024** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1017	0.0200	0.1	0.003121	98.6	75 - 125				

PDS Sample ID: **HS24071213-09PDS** Units: **mg/L** Analysis Date: **30-Jul-2024 00:37**
Client ID: Run ID: **ICPMS06_473067** SeqNo: **8166144** PrepDate: **27-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.11	0.00200	0.1	0.005436	105	75 - 125				

PDS Sample ID: **HS24071213-09PDS** Units: **mg/L** Analysis Date: **30-Jul-2024 18:49**
Client ID: Run ID: **ICPMS06_473197** SeqNo: **8166637** PrepDate: **27-Jul-2024** DF: **1000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	101.8	2.00	100	-0.08155	102	75 - 125				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: 215390 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

SD Sample ID: **HS24071213-09SD** Units: **mg/L** Analysis Date: **30-Jul-2024 16:47**
Client ID: Run ID: **ICPMS06_473197** SeqNo: **8166472** PrepDate: **27-Jul-2024** DF: **50**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.0200	0.100					0.003121	0	10	

SD Sample ID: **HS24071213-09SD** Units: **mg/L** Analysis Date: **30-Jul-2024 18:47**
Client ID: Run ID: **ICPMS06_473197** SeqNo: **8166636** PrepDate: **27-Jul-2024** DF: **5000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 2.00	10.0					-0.08155	0	10	

SD Sample ID: **HS24071213-09SD** Units: **mg/L** Analysis Date: **30-Jul-2024 00:31**
Client ID: Run ID: **ICPMS06_473067** SeqNo: **8166141** PrepDate: **27-Jul-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.005196	0.0100					0.005436	0	10	J

The following samples were analyzed in this batch: HS24071470-01 HS24071470-02 HS24071470-03

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 14:18**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173917** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.063*	*0.20*	*5*	*0*	*61.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.882*	*0.20*	*5*	*0*	*77.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.397*	*0.20*	*5*	*0*	*67.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.212*	*0.20*	*5*	*0*	*84.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.008*	*0.20*	*5*	*0*	*80.2*	*41 - 120*				
Surr: Phenol-d6	*3.512*	*0.20*	*5*	*0*	*70.2*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 13:12**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173916** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.89	0.20	5	0	97.8	39 - 127				
2,4-Dimethylphenol	3.543	0.20	5	0	70.9	35 - 120				
2,4-Dinitrotoluene	4.465	0.20	5	0	89.3	50 - 122				
2,6-Dinitrotoluene	4.325	0.20	5	0	86.5	50 - 120				
2-Chloronaphthalene	4.259	0.20	5	0	85.2	50 - 120				
2-Methylnaphthalene	3.971	0.10	5	0	79.4	50 - 120				
4,6-Dinitro-2-methylphenol	3.548	1.0	5	0	71.0	25 - 121				
4-Nitrophenol	5.04	1.0	5	0	101	30 - 130				
Acenaphthene	4.12	0.10	5	0	82.4	45 - 120				
Acenaphthylene	4.01	0.10	5	0	80.2	47 - 120				
Anthracene	3.688	0.10	5	0	73.8	45 - 120				
Benz(a)anthracene	3.861	0.10	5	0	77.2	40 - 120				
Benzo(a)pyrene	4.166	0.10	5	0	83.3	45 - 120				
Bis(2-chloroethoxy)methane	4.223	0.20	5	0	84.5	45 - 120				
Bis(2-ethylhexyl)phthalate	3.835	0.20	5	0	76.7	40 - 139				
Chrysene	4.077	0.10	5	0	81.5	43 - 120				
Dibenzofuran	4.106	0.10	5	0	82.1	50 - 120				
Di-n-butyl phthalate	3.624	0.20	5	0	72.5	45 - 123				
Fluoranthene	3.617	0.10	5	0	72.3	45 - 125				
Fluorene	4.166	0.10	5	0	83.3	49 - 120				
Naphthalene	3.754	0.10	5	0	75.1	45 - 120				
Nitrobenzene	4.497	0.20	5	0	89.9	44 - 120				
N-Nitrosodiphenylamine	3.605	0.20	5	0	72.1	40 - 125				
Pentachlorophenol	3.343	0.20	5	0	66.9	19 - 121				
Phenanthrene	3.651	0.10	5	0	73.0	45 - 121				
Phenol	4.682	0.20	5	0	93.6	20 - 124				
Pyrene	3.842	0.10	5	0	76.8	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.534*	*0.20*	*5*	*0*	*111*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.374*	*0.20*	*5*	*0*	*87.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.843*	*0.20*	*5*	*0*	*76.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.907*	*0.20*	*5*	*0*	*78.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.272*	*0.20*	*5*	*0*	*85.4*	*41 - 120*				
Surr: Phenol-d6	*4.394*	*0.20*	*5*	*0*	*87.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 17:38**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173928** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.908	0.20	5	0	98.2	39 - 127	4.89	0.373	20	
2,4-Dimethylphenol	3.299	0.20	5	0	66.0	35 - 120	3.543	7.14	20	
2,4-Dinitrotoluene	3.938	0.20	5	0	78.8	50 - 122	4.465	12.5	20	
2,6-Dinitrotoluene	4.059	0.20	5	0	81.2	50 - 120	4.325	6.34	20	
2-Chloronaphthalene	4.327	0.20	5	0	86.5	50 - 120	4.259	1.59	20	
2-Methylnaphthalene	4.22	0.10	5	0	84.4	50 - 120	3.971	6.09	20	
4,6-Dinitro-2-methylphenol	3.05	1.0	5	0	61.0	25 - 121	3.548	15.1	30	
4-Nitrophenol	4.07	1.0	5	0	81.4	30 - 130	5.04	21.3	20	R
Acenaphthene	3.907	0.10	5	0	78.1	45 - 120	4.12	5.3	20	
Acenaphthylene	3.649	0.10	5	0	73.0	47 - 120	4.01	9.43	20	
Anthracene	4.128	0.10	5	0	82.6	45 - 120	3.688	11.3	20	
Benz(a)anthracene	3.466	0.10	5	0	69.3	40 - 120	3.861	10.8	20	
Benzo(a)pyrene	4.155	0.10	5	0	83.1	45 - 120	4.166	0.258	20	
Bis(2-chloroethoxy)methane	4.125	0.20	5	0	82.5	45 - 120	4.223	2.35	20	
Bis(2-ethylhexyl)phthalate	3.788	0.20	5	0	75.8	40 - 139	3.835	1.22	20	
Chrysene	4.066	0.10	5	0	81.3	43 - 120	4.077	0.265	20	
Dibenzofuran	3.828	0.10	5	0	76.6	50 - 120	4.106	7.03	20	
Di-n-butyl phthalate	3.794	0.20	5	0	75.9	45 - 123	3.624	4.56	20	
Fluoranthene	4.043	0.10	5	0	80.9	45 - 125	3.617	11.1	20	
Fluorene	3.838	0.10	5	0	76.8	49 - 120	4.166	8.2	20	
Naphthalene	3.763	0.10	5	0	75.3	45 - 120	3.754	0.243	20	
Nitrobenzene	4.391	0.20	5	0	87.8	44 - 120	4.497	2.39	20	
N-Nitrosodiphenylamine	4.02	0.20	5	0	80.4	40 - 125	3.605	10.9	20	
Pentachlorophenol	2.886	0.20	5	0	57.7	19 - 121	3.343	14.7	20	
Phenanthrene	3.878	0.10	5	0	77.6	45 - 121	3.651	6.02	20	
Phenol	4.605	0.20	5	0	92.1	20 - 124	4.682	1.66	20	
Pyrene	3.763	0.10	5	0	75.3	40 - 130	3.842	2.09	20	
Surr: 2,4,6-Tribromophenol	*5.144*	*0.20*	*5*	*0*	*103*	*34 - 129*	*5.534*	*7.3*	*20*	
Surr: 2-Fluorobiphenyl	*4.006*	*0.20*	*5*	*0*	*80.1*	*40 - 125*	*4.374*	*8.79*	*20*	
Surr: 2-Fluorophenol	*3.717*	*0.20*	*5*	*0*	*74.3*	*20 - 120*	*3.843*	*3.34*	*20*	
Surr: 4-Terphenyl-d14	*4.177*	*0.20*	*5*	*0*	*83.5*	*40 - 135*	*3.907*	*6.68*	*20*	
Surr: Nitrobenzene-d5	*4.779*	*0.20*	*5*	*0*	*95.6*	*41 - 120*	*4.272*	*11.2*	*20*	
Surr: Phenol-d6	*4.244*	*0.20*	*5*	*0*	*84.9*	*20 - 120*	*4.394*	*3.49*	*20*	

The following samples were analyzed in this batch: HS24071470-01 HS24071470-02 HS24071470-03

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: R473029 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240727** Units: **ug/L** Analysis Date: **27-Jul-2024 09:24**
Client ID: Run ID: **VOA7_473029** SeqNo: **8162192** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*39.56*	*1.0*	*50*	*0*	*79.1*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*46.68*	*1.0*	*50*	*0*	*93.4*	*77 - 113*				
Surr: Dibromofluoromethane	*44.64*	*1.0*	*50*	*0*	*89.3*	*73 - 126*				
Surr: Toluene-d8	*47.16*	*1.0*	*50*	*0*	*94.3*	*81 - 120*				

LCS Sample ID: **VLCSW-240727** Units: **ug/L** Analysis Date: **27-Jul-2024 08:15**
Client ID: Run ID: **VOA7_473029** SeqNo: **8162190** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.79	1.0	20	0	93.9	70 - 124				
Benzene	20.36	1.0	20	0	102	74 - 120				
Chlorobenzene	21.32	1.0	20	0	107	76 - 113				
Ethylbenzene	22	1.0	20	0	110	77 - 117				
Methylene chloride	18.17	2.0	20	0	90.8	70 - 127				
Toluene	20.51	1.0	20	0	103	77 - 118				
Xylenes, Total	64.08	3.0	60	0	107	75 - 122				
Surr: 1,2-Dichloroethane-d4	*40.58*	*1.0*	*50*	*0*	*81.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*46.73*	*1.0*	*50*	*0*	*93.5*	*77 - 113*				
Surr: Dibromofluoromethane	*44.6*	*1.0*	*50*	*0*	*89.2*	*73 - 126*				
Surr: Toluene-d8	*48.04*	*1.0*	*50*	*0*	*96.1*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: R473029 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240727** Units: **ug/L** Analysis Date: **27-Jul-2024 08:38**
Client ID: Run ID: **VOA7_473029** SeqNo: **8162191** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.18	1.0	20	0	95.9	70 - 124	18.79	2.07	20	
Benzene	19.75	1.0	20	0	98.7	74 - 120	20.36	3.04	20	
Chlorobenzene	21.02	1.0	20	0	105	76 - 113	21.32	1.4	20	
Ethylbenzene	21.53	1.0	20	0	108	77 - 117	22	2.16	20	
Methylene chloride	18.18	2.0	20	0	90.9	70 - 127	18.17	0.106	20	
Toluene	19.97	1.0	20	0	99.9	77 - 118	20.51	2.63	20	
Xylenes, Total	62.77	3.0	60	0	105	75 - 122	64.08	2.07	20	
Surr: 1,2-Dichloroethane-d4	*41.13*	*1.0*	*50*	*0*	*82.3*	*70 - 123*	*40.58*	*1.35*	*20*	
Surr: 4-Bromofluorobenzene	*49.24*	*1.0*	*50*	*0*	*98.5*	*77 - 113*	*46.73*	*5.23*	*20*	
Surr: Dibromofluoromethane	*46.75*	*1.0*	*50*	*0*	*93.5*	*73 - 126*	*44.6*	*4.72*	*20*	
Surr: Toluene-d8	*48.96*	*1.0*	*50*	*0*	*97.9*	*81 - 120*	*48.04*	*1.9*	*20*	

MS Sample ID: **HS24071378-05MS** Units: **ug/L** Analysis Date: **27-Jul-2024 17:25**
Client ID: Run ID: **VOA7_473029** SeqNo: **8162212** PrepDate: DF: **50**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	904	50	1000	0	90.4	70 - 127				
Benzene	1017	50	1000	176.1	84.0	70 - 127				
Chlorobenzene	955.3	50	1000	0	95.5	70 - 114				
Ethylbenzene	1332	50	1000	370.6	96.1	70 - 124				
Methylene chloride	826.5	100	1000	0	82.6	70 - 128				
Toluene	956.5	50	1000	327.6	62.9	70 - 123				S
Xylenes, Total	2922	150	3000	158.1	92.1	70 - 130				
Surr: 1,2-Dichloroethane-d4	*2064*	*50*	*2500*	*0*	*82.6*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*2428*	*50*	*2500*	*0*	*97.1*	*77 - 113*				
Surr: Dibromofluoromethane	*2336*	*50*	*2500*	*0*	*93.4*	*77 - 123*				
Surr: Toluene-d8	*2422*	*50*	*2500*	*0*	*96.9*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071470

QC BATCH REPORT

Batch ID: R473029 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24071378-05MSD** Units: **ug/L** Analysis Date: **27-Jul-2024 17:48**
Client ID: Run ID: **VOA7_473029** SeqNo: **8162213** PrepDate: DF: **50**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	885.1	50	1000	0	88.5	70 - 127	904	2.12	20	
Benzene	975.5	50	1000	176.1	79.9	70 - 127	1017	4.13	20	
Chlorobenzene	934.9	50	1000	0	93.5	70 - 114	955.3	2.16	20	
Ethylbenzene	1280	50	1000	370.6	91.0	70 - 124	1332	3.95	20	
Methylene chloride	794.4	100	1000	0	79.4	70 - 128	826.5	3.96	20	
Toluene	905.2	50	1000	327.6	57.8	70 - 123	956.5	5.51	20	S
Xylenes, Total	2792	150	3000	158.1	87.8	70 - 130	2922	4.56	20	
Surr: 1,2-Dichloroethane-d4	*2082*	*50*	*2500*	*0*	*83.3*	*70 - 126*	*2064*	*0.882*	*20*	
Surr: 4-Bromofluorobenzene	*2429*	*50*	*2500*	*0*	*97.2*	*77 - 113*	*2428*	*0.0563*	*20*	
Surr: Dibromofluoromethane	*2336*	*50*	*2500*	*0*	*93.5*	*77 - 123*	*2336*	*0.029*	*20*	
Surr: Toluene-d8	*2418*	*50*	*2500*	*0*	*96.7*	*82 - 127*	*2422*	*0.176*	*20*	

The following samples were analyzed in this batch: HS24071470-01 HS24071470-02 HS24071470-03

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: **HS24071470**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Illinois	2000322023-11	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24071470 **Date/Time Received:** **24-Jul-2024 18:30**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Nilesh D. Ranchod	25-Jul-2024 13:35	**Reviewed by:**	/S/ salina zaid	26-Jul-2024 15:07
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320994
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.6c/1.6c UC/C	IR 34
Cooler(s)/Kit(s):	52480	
Date/Time sample(s) sent to storage:	07/25/2024 13;36	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336 | Fort Collins, CO +1 970 490 1511 | Houston, TX +1 281 530 5656 | Spring City, PA +1 610 948 4903 | South Charleston, WV +1 304 356 3168
Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070 | Middletown, PA +1 717 944 5541 | Salt Lake City, UT +1 801 266 7700 | York, PA +1 717 505 5280

Chain of Custody Form

Page _____ of _____

COC ID: 320994

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterhurs	Project Name	Houston TX-Wood Preserving Works	A	8270_LOW_W (SemiVolatiles Select List (17))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8260_LL_W (select list) 8260 Volatile Organics (8)
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	8260_LL_W (select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@ensouth.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G
1	WG-1620-MW76C-20240724	7/24/24	1427	GW	1,2,8	6	X	X	X				
2	WG-1620-MW76B-20240724	↓	1543	GW	1,2,8	6	X	X	X				
3	WG-1620-MW97A-20240724	↓	1700	GW	1,2,8	6	X	X	X				
4													
5													
6													
7													
8													
9													
10													

HS2407147O

WSP Austin
Houston TX-Wood Preserve Works

Sampler(s) Please Print & Sign: Dominic Baptiste Dominic Baptiste

Shipment Method: Carrier

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Resu.

Relinquished by:	Date:	Time:	Received by:
Dominic Baptiste	7/24/24	1730	DS
Relinquished by:	Date: 7.24.24	Time: 1830	Received by (Laboratory):
DS	[redacted]		DS
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HW/PW 1620-21

Cooler ID	Cooler Temp.
52488	1.6

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 06, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24071568**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 1 sample(s) on Jul 25, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24071568**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS24071568**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/06/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071568					
Reviewer Name: Luis.Aguila			Prep Batch Number(s): 215486					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?		X			1	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X					
		Were MS/MSD RPDs within laboratory QC limits?	X					
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/06/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071568				
Reviewer Name: Luis.Aguila			Prep Batch Number(s): 215486				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/06/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24071568
Reviewer Name: Luis.Aguila	Prep Batch Number(s): 215486

ER#[5]	Description
1	Batch 215486, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24071568

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24071568-01	WG-1620-FB01-20240723	Groundwater		23-Jul-2024 10:15	25-Jul-2024 09:50	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB01-20240723
Collection Date: 23-Jul-2024 10:15

ANALYTICAL REPORT
WorkOrder:HS24071568
Lab ID:HS24071568-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 17:51
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 17:51
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 17:51
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 17:51
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 17:51
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 17:51
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 17:51
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 17:51
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 17:51
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 17:51
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 17:51
Surr: 2,4,6-Tribromophenol	*41.5*			*34-129*	*%REC*	*1*	*03-Aug-2024 17:51*
Surr: 2-Fluorobiphenyl	*66.2*			*40-125*	*%REC*	*1*	*03-Aug-2024 17:51*
Surr: 2-Fluorophenol	*42.2*			*20-120*	*%REC*	*1*	*03-Aug-2024 17:51*
Surr: 4-Terphenyl-d14	*64.0*			*40-135*	*%REC*	*1*	*03-Aug-2024 17:51*
Surr: Nitrobenzene-d5	*72.8*			*41-120*	*%REC*	*1*	*03-Aug-2024 17:51*
Surr: Phenol-d6	*41.3*			*20-120*	*%REC*	*1*	*03-Aug-2024 17:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071568

Batch ID: 215486 **Start Date:** 30 Jul 2024 11:48 **End Date:** 30 Jul 2024 11:48
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071568-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071568

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215486 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071568-01	WG-1620-FB01-20240723	23 Jul 2024 10:15		30 Jul 2024 11:48	03 Aug 2024 17:51	1

WorkOrder: HS24071568
InstrumentID: SV-7
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Acenaphthene	83-32-9	0.00010	0.00010	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00010	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00013	0.000014	0.00010
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00011	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00012	0.000020	0.00020
A	Fluoranthene	206-44-0	0.00010	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00011	0.000030	0.00010
A	Naphthalene	91-20-3	0.00010	0.00011	0.000020	0.00010
A	Phenol	108-95-2	0.00010	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00013	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071568

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 14:18**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173917** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.063*	*0.20*	*5*	*0*	*61.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.882*	*0.20*	*5*	*0*	*77.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.397*	*0.20*	*5*	*0*	*67.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.212*	*0.20*	*5*	*0*	*84.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.008*	*0.20*	*5*	*0*	*80.2*	*41 - 120*				
Surr: Phenol-d6	*3.512*	*0.20*	*5*	*0*	*70.2*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071568

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 13:12**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173916** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	4.12	0.10	5	0	82.4	45 - 120				
Acenaphthylene	4.01	0.10	5	0	80.2	47 - 120				
Anthracene	3.688	0.10	5	0	73.8	45 - 120				
Bis(2-ethylhexyl)phthalate	3.835	0.20	5	0	76.7	40 - 139				
Dibenzofuran	4.106	0.10	5	0	82.1	50 - 120				
Di-n-butyl phthalate	3.624	0.20	5	0	72.5	45 - 123				
Fluoranthene	3.617	0.10	5	0	72.3	45 - 125				
Fluorene	4.166	0.10	5	0	83.3	49 - 120				
Naphthalene	3.754	0.10	5	0	75.1	45 - 120				
Phenol	4.682	0.20	5	0	93.6	20 - 124				
Pyrene	3.842	0.10	5	0	76.8	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.534*	*0.20*	*5*	*0*	*111*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.374*	*0.20*	*5*	*0*	*87.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.843*	*0.20*	*5*	*0*	*76.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.907*	*0.20*	*5*	*0*	*78.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.272*	*0.20*	*5*	*0*	*85.4*	*41 - 120*				
Surr: Phenol-d6	*4.394*	*0.20*	*5*	*0*	*87.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071568

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 17:38**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173928** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Acenaphthene	3.907	0.10	5	0	78.1	45 - 120	4.12	5.3	20	
Acenaphthylene	3.649	0.10	5	0	73.0	47 - 120	4.01	9.43	20	
Anthracene	4.128	0.10	5	0	82.6	45 - 120	3.688	11.3	20	
Bis(2-ethylhexyl)phthalate	3.788	0.20	5	0	75.8	40 - 139	3.835	1.22	20	
Dibenzofuran	3.828	0.10	5	0	76.6	50 - 120	4.106	7.03	20	
Di-n-butyl phthalate	3.794	0.20	5	0	75.9	45 - 123	3.624	4.56	20	
Fluoranthene	4.043	0.10	5	0	80.9	45 - 125	3.617	11.1	20	
Fluorene	3.838	0.10	5	0	76.8	49 - 120	4.166	8.2	20	
Naphthalene	3.763	0.10	5	0	75.3	45 - 120	3.754	0.243	20	
Phenol	4.605	0.20	5	0	92.1	20 - 124	4.682	1.66	20	
Pyrene	3.763	0.10	5	0	75.3	40 - 130	3.842	2.09	20	
Surr: 2,4,6-Tribromophenol	*5.144*	*0.20*	*5*	*0*	*103*	*34 - 129*	*5.534*	*7.3*	*20*	
Surr: 2-Fluorobiphenyl	*4.006*	*0.20*	*5*	*0*	*80.1*	*40 - 125*	*4.374*	*8.79*	*20*	
Surr: 2-Fluorophenol	*3.717*	*0.20*	*5*	*0*	*74.3*	*20 - 120*	*3.843*	*3.34*	*20*	
Surr: 4-Terphenyl-d14	*4.177*	*0.20*	*5*	*0*	*83.5*	*40 - 135*	*3.907*	*6.68*	*20*	
Surr: Nitrobenzene-d5	*4.779*	*0.20*	*5*	*0*	*95.6*	*41 - 120*	*4.272*	*11.2*	*20*	
Surr: Phenol-d6	*4.244*	*0.20*	*5*	*0*	*84.9*	*20 - 120*	*4.394*	*3.49*	*20*	

The following samples were analyzed in this batch: HS24071568-01

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24071568**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Illinois	2000322023-11	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24071568 **Date/Time Received:** **25-Jul-2024 09:50**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Michael Lucio	26-Jul-2024 18:58	**Reviewed by:**	/S/ salina zaid	29-Jul-2024 11:24
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320989
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	3.3UC/3.3C	IR34
Cooler(s)/Kit(s):	45286	
Date/Time sample(s) sent to storage:	07/26/2024 18:59	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 320989

HS24071568 WV

WSP Austin

Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (6))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	ATZ Site wide
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	BTZ Site wide
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@ransom.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WS-1620-FB01-20240723	7/23/24	1015	GW	—	2		LSC		X	X						
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Leon St Rose

Shipment Method: Carter

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 7/25/24	Time: 0825	Received by:	
Relinquished by:	Date: 7.25.24	Time: 0950	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

- [ ] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [X] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.

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Chain of Custody Form

Page 1 of 1

COC ID: 320989

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (61))
Work Order		Project Number	1600-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- AP	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Metzner	Invoice Attn	Accounts Payable	D	AT2 Site wide
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	ST2 Site wide
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE, 68179-0750	F	
Phone	(512) 671-3434	Phone		G	
Fax	(512) 671-3445	Fax		H	
e-Mail Address	emetzner@arcadis.com	e-Mail Address	arthur.gibson@arcadis.com	I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	HK-1620-FB01-20240723	7/23/24	1015	Ew	—	2		X			X						
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

HS24071568

WSP Austin

Houston TX-Wood Preserving Works

REVISED

Sampler(s) Please Print & Sign: Lucy Stroz

Shipment Method: Courier

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hrs

Results Due Date:

Notes: UPRR HWPW 1620-21

Relinquished by:	Date:	Time:	Received by:
Lucy Stroz	7/25/24	0825	
Relinquished by:	Date:	Time:	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level II: Std QC ☒ TRRP Checklist

☐ Level III: Std QC/Raw Data ☐ TRRP Level IV

☐ Level IV: SW846 CLP

☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

10450 Stancliff Rd. Suite 210
Houston, TX 77099
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August 07, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24071389**

Laboratory Results for: **Houston TX-Wood Preserve Works**

Dear Manny Higa ,

ALS Environmental received 12 sample(s) on Jul 23, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserve Works	
WorkOrder:	**HS24071389**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserve Works
WorkOrder:	**HS24071389**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/05/2024				
Project Name: CITGO East Plant GMP 40591508			Laboratory Job Number: HS24041231				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 210710, R465317, R465436				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				1
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				2
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				3

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/05/2024				
Project Name: CITGO East Plant GMP 40591508			Laboratory Job Number: HS24041231				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 210710, R465317, R465436				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports		
Laboratory Name: ALS Laboratory Group		LRC Date: 08/05/2024
Project Name: CITGO East Plant GMP 40591508		Laboratory Job Number: HS24041231
Reviewer Name: Luis Aguilar		Prep Batch Number(s): 210710, R465317, R465436
ER#[5]	**Description**	
1	This report was revised 08/05/24 to update to TRRP reporting per client request.	
2	Batch R465436, Volatiles by method SW8260, Multiple Samples: Lowest practical dilution due to sample matrix and/or high concentration of non-target analyte(s).	
3	Semivolatile Organics Method SW8270; With the exception of 1-Methylnaphthalene, ALS is NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package. Because TCEQ does not offer accreditation for this compound, the results are flagged with n	

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Work Order: HS24071389

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24071389-01	WG-1620-P12-20240723	Groundwater		23-Jul-2024 09:45	23-Jul-2024 15:15	☐
HS24071389-02	WG-1620-MW08-20240723	Groundwater		23-Jul-2024 09:05	23-Jul-2024 15:15	☐
HS24071389-03	WG-1620-MW02-20240722	Groundwater		22-Jul-2024 08:15	23-Jul-2024 15:15	☐
HS24071389-04	WS-1620-MW01A-20240723	Groundwater		23-Jul-2024 07:45	23-Jul-2024 15:15	☐
HS24071389-05	WG-1620-FD02-20240723	Groundwater		23-Jul-2024 07:50	23-Jul-2024 15:15	☐
HS24071389-06	WG-1620-MW10B-20240722	Groundwater		22-Jul-2024 16:20	23-Jul-2024 15:15	☐
HS24071389-07	WG-1620-MW11A-20240722	Groundwater		22-Jul-2024 15:05	23-Jul-2024 15:15	☐
HS24071389-08	WG-1620-MW10A-20240722	Groundwater		22-Jul-2024 15:50	23-Jul-2024 15:15	☐
HS24071389-09	WG-1620-MW11B-20240722	Groundwater		22-Jul-2024 14:35	23-Jul-2024 15:15	☐
HS24071389-10	WG-1620-MW07-20240722	Groundwater		22-Jul-2024 13:00	23-Jul-2024 15:15	☐
HS24071389-11	WG-1620-P10-20240722	Groundwater		22-Jul-2024 12:30	23-Jul-2024 15:15	☐
HS24071389-12	WG-1620-FD01-20240722	Groundwater		22-Jul-2024 12:30	23-Jul-2024 15:15	☐

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-P12-20240723
Collection Date: 23-Jul-2024 09:45

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
Acenaphthene	**0.000028**	J	**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2024 23:56
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 23:56
Anthracene	**0.000028**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2024 23:56
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 23:56
Dibenzofuran	**0.000056**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 23:56
Di-n-butyl phthalate	**0.000041**	J	**0.000020**	**0.00020**	**mg/L**	1	03-Aug-2024 23:56
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 23:56
Fluorene	**0.000031**	J	**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2024 23:56
Naphthalene	**0.00027**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 23:56
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 23:56
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 23:56
Surr: 2,4,6-Tribromophenol	*96.6*			*34-129*	*%REC*	*1*	*03-Aug-2024 23:56*
Surr: 2-Fluorobiphenyl	*85.4*			*40-125*	*%REC*	*1*	*03-Aug-2024 23:56*
Surr: 2-Fluorophenol	*67.8*			*20-120*	*%REC*	*1*	*03-Aug-2024 23:56*
Surr: 4-Terphenyl-d14	*95.7*			*40-135*	*%REC*	*1*	*03-Aug-2024 23:56*
Surr: Nitrobenzene-d5	*69.8*			*41-120*	*%REC*	*1*	*03-Aug-2024 23:56*
Surr: Phenol-d6	*76.5*			*20-120*	*%REC*	*1*	*03-Aug-2024 23:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW08-20240723
Collection Date: 23-Jul-2024 09:05

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
2-Methylnaphthalene	**0.000038**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2024 23:33
Acenaphthene	**0.00033**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2024 23:33
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 23:33
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 23:33
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 23:33
Dibenzofuran	**0.000032**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 23:33
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 23:33
Fluorene	**0.00016**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2024 23:33
Naphthalene	**0.00017**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 23:33
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 23:33
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 23:33
Surr: 2-Fluorobiphenyl	*67.9*			*40-125*	*%REC*	*1*	*03-Aug-2024 23:33*
Surr: 4-Terphenyl-d14	*77.9*			*40-135*	*%REC*	*1*	*03-Aug-2024 23:33*
Surr: Nitrobenzene-d5	*55.6*			*41-120*	*%REC*	*1*	*03-Aug-2024 23:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW02-20240722
Collection Date: 22-Jul-2024 08:15

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
2-Methylnaphthalene	**0.0016**		**0.00019**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Acenaphthene	**0.016**		**0.00027**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	06-Aug-2024 16:59
Anthracene	**0.00036**	J	**0.00014**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	06-Aug-2024 16:59
Dibenzofuran	**0.00040**	J	**0.00020**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Fluoranthene	**0.00076**	J	**0.00010**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Fluorene	**0.0088**		**0.00030**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Naphthalene	**0.0019**		**0.00020**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Phenanthrene	**0.00063**	J	**0.00021**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Pyrene	**0.00037**	J	**0.00019**	**0.0010**	**mg/L**	10	06-Aug-2024 16:59
Surr: 2-Fluorobiphenyl	*101*			*40-125*	*%REC*	*10*	*06-Aug-2024 16:59*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*10*	*06-Aug-2024 16:59*
Surr: Nitrobenzene-d5	*84.1*			*41-120*	*%REC*	*10*	*06-Aug-2024 16:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WS-1620-MW01A-20240723
Collection Date: 23-Jul-2024 07:45

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
2-Methylnaphthalene	**0.025**		**0.00038**	**0.0020**	**mg/L**	20	06-Aug-2024 17:45
Acenaphthene	**0.047**		**0.00054**	**0.0020**	**mg/L**	20	06-Aug-2024 17:45
Acenaphthylene	**0.00059**		**0.000015**	**0.00010**	**mg/L**	1	06-Aug-2024 16:12
Anthracene	**0.0013**		**0.000014**	**0.00010**	**mg/L**	1	06-Aug-2024 16:12
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	06-Aug-2024 16:12
Dibenzofuran	**0.017**		**0.00040**	**0.0020**	**mg/L**	20	06-Aug-2024 17:45
Fluoranthene	**0.0018**		**0.000010**	**0.00010**	**mg/L**	1	06-Aug-2024 16:12
Fluorene	**0.024**		**0.00060**	**0.0020**	**mg/L**	20	06-Aug-2024 17:45
Naphthalene	**0.019**		**0.00040**	**0.0020**	**mg/L**	20	06-Aug-2024 17:45
Phenanthrene	**0.0050**		**0.000021**	**0.00010**	**mg/L**	1	06-Aug-2024 16:12
Pyrene	**0.00074**		**0.000019**	**0.00010**	**mg/L**	1	06-Aug-2024 16:12
Surr: 2-Fluorobiphenyl	*69.2*			*40-125*	*%REC*	*1*	*06-Aug-2024 16:12*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20*	*06-Aug-2024 17:45*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20*	*06-Aug-2024 17:45*
Surr: 4-Terphenyl-d14	*83.0*			*40-135*	*%REC*	*1*	*06-Aug-2024 16:12*
Surr: Nitrobenzene-d5	*59.1*			*41-120*	*%REC*	*1*	*06-Aug-2024 16:12*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20*	*06-Aug-2024 17:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-FD02-20240723
Collection Date: 23-Jul-2024 07:50

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
2-Methylnaphthalene	**0.069**		**0.00095**	**0.0050**	**mg/L**	50	06-Aug-2024 17:22
Acenaphthene	**0.12**		**0.0014**	**0.0050**	**mg/L**	50	06-Aug-2024 17:22
Acenaphthylene	**0.00095**		**0.000015**	**0.00010**	**mg/L**	1	06-Aug-2024 16:35
Anthracene	**0.0024**		**0.000014**	**0.00010**	**mg/L**	1	06-Aug-2024 16:35
Bis(2-ethylhexyl)phthalate	**0.00014**	J	**0.000037**	**0.00020**	**mg/L**	1	06-Aug-2024 16:35
Dibenzofuran	**0.043**		**0.0010**	**0.0050**	**mg/L**	50	06-Aug-2024 17:22
Fluoranthene	**0.0038**		**0.000010**	**0.00010**	**mg/L**	1	06-Aug-2024 16:35
Fluorene	**0.060**		**0.0015**	**0.0050**	**mg/L**	50	06-Aug-2024 17:22
Naphthalene	**0.041**		**0.0010**	**0.0050**	**mg/L**	50	06-Aug-2024 17:22
Phenanthrene	**0.0097**		**0.000021**	**0.00010**	**mg/L**	1	06-Aug-2024 16:35
Pyrene	**0.0015**		**0.000019**	**0.00010**	**mg/L**	1	06-Aug-2024 16:35
Surr: 2-Fluorobiphenyl	*78.9*			*40-125*	*%REC*	*1*	*06-Aug-2024 16:35*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*50*	*06-Aug-2024 17:22*
Surr: 4-Terphenyl-d14	*82.4*			*40-135*	*%REC*	*1*	*06-Aug-2024 16:35*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*50*	*06-Aug-2024 17:22*
Surr: Nitrobenzene-d5	*67.3*			*41-120*	*%REC*	*1*	*06-Aug-2024 16:35*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*50*	*06-Aug-2024 17:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW10B-20240722
Collection Date: 22-Jul-2024 16:20

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
Acenaphthene	**0.020**		**0.00027**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Acenaphthylene	**0.00020**	J	**0.00015**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Anthracene	**0.00081**	J	**0.00014**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	05-Aug-2024 19:42
Dibenzofuran	**0.0060**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	05-Aug-2024 19:42
Fluoranthene	**0.0013**		**0.00010**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Fluorene	**0.010**		**0.00030**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Naphthalene	**0.044**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	05-Aug-2024 19:42
Pyrene	**0.00062**	J	**0.00019**	**0.0010**	**mg/L**	10	05-Aug-2024 19:42
Surr: 2,4,6-Tribromophenol	*115*			*34-129*	*%REC*	*10*	*05-Aug-2024 19:42*
Surr: 2-Fluorobiphenyl	*96.1*			*40-125*	*%REC*	*10*	*05-Aug-2024 19:42*
Surr: 2-Fluorophenol	*78.8*			*20-120*	*%REC*	*10*	*05-Aug-2024 19:42*
Surr: 4-Terphenyl-d14	*128*			*40-135*	*%REC*	*10*	*05-Aug-2024 19:42*
Surr: Nitrobenzene-d5	*76.0*			*41-120*	*%REC*	*10*	*05-Aug-2024 19:42*
Surr: Phenol-d6	*87.3*			*20-120*	*%REC*	*10*	*05-Aug-2024 19:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW11A-20240722
Collection Date: 22-Jul-2024 15:05

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
2-Methylnaphthalene	**0.00016**		**0.000019**	**0.00010**	**mg/L**	1	04-Aug-2024 01:51
Acenaphthene	**0.000079**	J	**0.000027**	**0.00010**	**mg/L**	1	04-Aug-2024 01:51
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2024 01:51
Anthracene	**0.00010**		**0.000014**	**0.00010**	**mg/L**	1	04-Aug-2024 01:51
Bis(2-ethylhexyl)phthalate	**0.000051**	J	**0.000037**	**0.00020**	**mg/L**	1	04-Aug-2024 01:51
Dibenzofuran	**0.00014**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2024 01:51
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2024 01:51
Fluorene	**0.000095**	J	**0.000030**	**0.00010**	**mg/L**	1	04-Aug-2024 01:51
Naphthalene	**0.00060**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2024 01:51
Phenanthrene	**0.000032**	J	**0.000021**	**0.00010**	**mg/L**	1	04-Aug-2024 01:51
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2024 01:51
Surr: 2-Fluorobiphenyl	*75.3*			*40-125*	*%REC*	*1*	*04-Aug-2024 01:51*
Surr: 4-Terphenyl-d14	*85.4*			*40-135*	*%REC*	*1*	*04-Aug-2024 01:51*
Surr: Nitrobenzene-d5	*62.1*			*41-120*	*%REC*	*1*	*04-Aug-2024 01:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW10A-20240722
Collection Date: 22-Jul-2024 15:50

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
2-Methylnaphthalene	**0.00091**		**0.000019**	**0.00010**	**mg/L**	1	04-Aug-2024 02:14
Acenaphthene	**0.0027**		**0.000027**	**0.00010**	**mg/L**	1	04-Aug-2024 02:14
Acenaphthylene	**0.000076**	J	**0.000015**	**0.00010**	**mg/L**	1	04-Aug-2024 02:14
Anthracene	**0.000049**	J	**0.000014**	**0.00010**	**mg/L**	1	04-Aug-2024 02:14
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2024 02:14
Dibenzofuran	**0.0013**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2024 02:14
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2024 02:14
Fluorene	**0.0013**		**0.000030**	**0.00010**	**mg/L**	1	04-Aug-2024 02:14
Naphthalene	**0.067**		**0.0010**	**0.0050**	**mg/L**	50	06-Aug-2024 18:08
Phenanthrene	**0.00030**		**0.000021**	**0.00010**	**mg/L**	1	04-Aug-2024 02:14
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2024 02:14
Surr: 2-Fluorobiphenyl	*79.1*			*40-125*	*%REC*	*1*	*04-Aug-2024 02:14*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*50*	*06-Aug-2024 18:08*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*50*	*06-Aug-2024 18:08*
Surr: 4-Terphenyl-d14	*99.9*			*40-135*	*%REC*	*1*	*04-Aug-2024 02:14*
Surr: Nitrobenzene-d5	*67.1*			*41-120*	*%REC*	*1*	*04-Aug-2024 02:14*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*50*	*06-Aug-2024 18:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW11B-20240722
Collection Date: 22-Jul-2024 14:35

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
Acenaphthene	**0.082**		**0.0014**	**0.0050**	**mg/L**	50	05-Aug-2024 18:56
Acenaphthylene	**0.0011**		**0.000015**	**0.00010**	**mg/L**	1	03-Aug-2024 21:15
Anthracene	**0.0027**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2024 21:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 21:15
Dibenzofuran	**0.023**		**0.0010**	**0.0050**	**mg/L**	50	05-Aug-2024 18:56
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 21:15
Fluoranthene	**0.0046**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2024 21:15
Fluorene	**0.034**		**0.0015**	**0.0050**	**mg/L**	50	05-Aug-2024 18:56
Naphthalene	**0.14**		**0.0010**	**0.0050**	**mg/L**	50	05-Aug-2024 18:56
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 21:15
Pyrene	**0.0026**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2024 21:15
Surr: 2,4,6-Tribromophenol	*101*			*34-129*	*%REC*	*1*	*03-Aug-2024 21:15*
Surr: 2-Fluorobiphenyl	*78.5*			*40-125*	*%REC*	*1*	*03-Aug-2024 21:15*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*50*	*05-Aug-2024 18:56*
Surr: 2-Fluorophenol	*64.5*			*20-120*	*%REC*	*1*	*03-Aug-2024 21:15*
Surr: 4-Terphenyl-d14	*98.7*			*40-135*	*%REC*	*1*	*03-Aug-2024 21:15*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*50*	*05-Aug-2024 18:56*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*50*	*05-Aug-2024 18:56*
Surr: Nitrobenzene-d5	*70.4*			*41-120*	*%REC*	*1*	*03-Aug-2024 21:15*
Surr: Phenol-d6	*74.9*			*20-120*	*%REC*	*1*	*03-Aug-2024 21:15*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-MW07-20240722
Collection Date: 22-Jul-2024 13:00

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2024		Analyst: EC
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 21:38
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 21:38
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 21:38
Anthracene	**0.000034**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2024 21:38
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 21:38
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 21:38
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 21:38
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 21:38
Naphthalene	**0.000048**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 21:38
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 21:38
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 21:38
Surr: 2-Fluorobiphenyl	*89.6*			*40-125*	*%REC*	*1*	*03-Aug-2024 21:38*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*03-Aug-2024 21:38*
Surr: Nitrobenzene-d5	*75.8*			*41-120*	*%REC*	*1*	*03-Aug-2024 21:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-P10-20240722
Collection Date: 22-Jul-2024 12:30

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 31-Jul-2024		Analyst: GEY
Acenaphthene	**0.011**	H	**0.00027**	**0.0010**	**mg/L**	10	02-Aug-2024 16:32
Acenaphthylene	**0.000043**	JH	**0.000015**	**0.00010**	**mg/L**	1	01-Aug-2024 19:13
Anthracene	**0.000095**	JH	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2024 19:13
Bis(2-ethylhexyl)phthalate	< 0.000037	H	0.000037	0.00020	mg/L	1	01-Aug-2024 19:13
Dibenzofuran	**0.00027**	H	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2024 19:13
Di-n-butyl phthalate	< 0.000020	H	0.000020	0.00020	mg/L	1	01-Aug-2024 19:13
Fluoranthene	**0.00023**	H	**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2024 19:13
Fluorene	**0.00010**	H	**0.000030**	**0.00010**	**mg/L**	1	01-Aug-2024 19:13
Naphthalene	**0.00074**	H	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2024 19:13
Phenol	< 0.000035	H	0.000035	0.00020	mg/L	1	01-Aug-2024 19:13
Pyrene	**0.00010**	H	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2024 19:13
Surr: 2,4,6-Tribromophenol	*47.9*			*34-129*	*%REC*	*10*	*02-Aug-2024 16:32*
Surr: 2,4,6-Tribromophenol	*87.0*			*34-129*	*%REC*	*1*	*01-Aug-2024 19:13*
Surr: 2-Fluorobiphenyl	*78.2*			*40-125*	*%REC*	*1*	*01-Aug-2024 19:13*
Surr: 2-Fluorobiphenyl	*68.8*			*40-125*	*%REC*	*10*	*02-Aug-2024 16:32*
Surr: 2-Fluorophenol	*48.6*			*20-120*	*%REC*	*10*	*02-Aug-2024 16:32*
Surr: 2-Fluorophenol	*62.1*			*20-120*	*%REC*	*1*	*01-Aug-2024 19:13*
Surr: 4-Terphenyl-d14	*71.8*			*40-135*	*%REC*	*10*	*02-Aug-2024 16:32*
Surr: 4-Terphenyl-d14	*73.9*			*40-135*	*%REC*	*1*	*01-Aug-2024 19:13*
Surr: Nitrobenzene-d5	*64.8*			*41-120*	*%REC*	*1*	*01-Aug-2024 19:13*
Surr: Nitrobenzene-d5	*75.0*			*41-120*	*%REC*	*10*	*02-Aug-2024 16:32*
Surr: Phenol-d6	*71.9*			*20-120*	*%REC*	*10*	*02-Aug-2024 16:32*
Surr: Phenol-d6	*61.8*			*20-120*	*%REC*	*1*	*01-Aug-2024 19:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
Sample ID: WG-1620-FD01-20240722
Collection Date: 22-Jul-2024 12:30

ANALYTICAL REPORT
WorkOrder:HS24071389
Lab ID:HS24071389-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 31-Jul-2024		Analyst: GEY
Acenaphthene	**0.012**	H	**0.00027**	**0.0010**	**mg/L**	10	02-Aug-2024 16:54
Acenaphthylene	< 0.000015	H	0.000015	0.00010	mg/L	1	01-Aug-2024 19:36
Anthracene	**0.00015**	H	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2024 19:36
Bis(2-ethylhexyl)phthalate	< 0.000037	H	0.000037	0.00020	mg/L	1	01-Aug-2024 19:36
Dibenzofuran	**0.00035**	H	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2024 19:36
Di-n-butyl phthalate	< 0.000020	H	0.000020	0.00020	mg/L	1	01-Aug-2024 19:36
Fluoranthene	**0.00027**	H	**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2024 19:36
Fluorene	**0.00016**	H	**0.000030**	**0.00010**	**mg/L**	1	01-Aug-2024 19:36
Naphthalene	**0.00088**	H	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2024 19:36
Phenol	< 0.000035	H	0.000035	0.00020	mg/L	1	01-Aug-2024 19:36
Pyrene	**0.00013**	H	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2024 19:36
Surr: 2,4,6-Tribromophenol	*82.1*			*34-129*	*%REC*	*1*	*01-Aug-2024 19:36*
Surr: 2,4,6-Tribromophenol	*56.4*			*34-129*	*%REC*	*10*	*02-Aug-2024 16:54*
Surr: 2-Fluorobiphenyl	*82.3*			*40-125*	*%REC*	*10*	*02-Aug-2024 16:54*
Surr: 2-Fluorobiphenyl	*79.3*			*40-125*	*%REC*	*1*	*01-Aug-2024 19:36*
Surr: 2-Fluorophenol	*49.0*			*20-120*	*%REC*	*1*	*01-Aug-2024 19:36*
Surr: 2-Fluorophenol	*44.4*			*20-120*	*%REC*	*10*	*02-Aug-2024 16:54*
Surr: 4-Terphenyl-d14	*75.1*			*40-135*	*%REC*	*10*	*02-Aug-2024 16:54*
Surr: 4-Terphenyl-d14	*89.5*			*40-135*	*%REC*	*1*	*01-Aug-2024 19:36*
Surr: Nitrobenzene-d5	*61.3*			*41-120*	*%REC*	*1*	*01-Aug-2024 19:36*
Surr: Nitrobenzene-d5	*70.2*			*41-120*	*%REC*	*10*	*02-Aug-2024 16:54*
Surr: Phenol-d6	*44.6*			*20-120*	*%REC*	*10*	*02-Aug-2024 16:54*
Surr: Phenol-d6	*53.5*			*20-120*	*%REC*	*1*	*01-Aug-2024 19:36*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

Batch ID: 215352 **Start Date:** 26 Jul 2024 13:31 **End Date:** 26 Jul 2024 13:31
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071389-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-03		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 215549 **Start Date:** 31 Jul 2024 11:22 **End Date:** 31 Jul 2024 11:22
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071389-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071389-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215352 (1)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071389-01	WG-1620-P12-20240723	23 Jul 2024 09:45		26 Jul 2024 13:31	03 Aug 2024 23:56	1
HS24071389-02	WG-1620-MW08-20240723	23 Jul 2024 09:05		26 Jul 2024 13:31	03 Aug 2024 23:33	1
HS24071389-03	WG-1620-MW02-20240722	22 Jul 2024 08:15		26 Jul 2024 07:00	06 Aug 2024 16:59	10
HS24071389-04	WS-1620-MW01A-20240723	23 Jul 2024 07:45		26 Jul 2024 13:31	06 Aug 2024 17:45	20
HS24071389-04	WS-1620-MW01A-20240723	23 Jul 2024 07:45		26 Jul 2024 13:31	06 Aug 2024 16:12	1
HS24071389-05	WG-1620-FD02-20240723	23 Jul 2024 07:50		26 Jul 2024 13:31	06 Aug 2024 17:22	50
HS24071389-05	WG-1620-FD02-20240723	23 Jul 2024 07:50		26 Jul 2024 13:31	06 Aug 2024 16:35	1
HS24071389-06	WG-1620-MW10B-20240722	22 Jul 2024 16:20		26 Jul 2024 13:31	05 Aug 2024 19:42	10
HS24071389-07	WG-1620-MW11A-20240722	22 Jul 2024 15:05		26 Jul 2024 13:31	04 Aug 2024 01:51	1
HS24071389-08	WG-1620-MW10A-20240722	22 Jul 2024 15:50		26 Jul 2024 13:31	06 Aug 2024 18:08	50
HS24071389-08	WG-1620-MW10A-20240722	22 Jul 2024 15:50		26 Jul 2024 13:31	04 Aug 2024 02:14	1
HS24071389-09	WG-1620-MW11B-20240722	22 Jul 2024 14:35		26 Jul 2024 13:31	05 Aug 2024 18:56	50
HS24071389-09	WG-1620-MW11B-20240722	22 Jul 2024 14:35		26 Jul 2024 13:31	03 Aug 2024 21:15	1
HS24071389-10	WG-1620-MW07-20240722	22 Jul 2024 13:00		26 Jul 2024 13:31	03 Aug 2024 21:38	1
Batch ID: 215549 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071389-11	WG-1620-P10-20240722	22 Jul 2024 12:30		31 Jul 2024 11:22	02 Aug 2024 16:32	10
HS24071389-11	WG-1620-P10-20240722	22 Jul 2024 12:30		31 Jul 2024 11:22	01 Aug 2024 19:13	1
HS24071389-12	WG-1620-FD01-20240722	22 Jul 2024 12:30		31 Jul 2024 11:22	02 Aug 2024 16:54	10
HS24071389-12	WG-1620-FD01-20240722	22 Jul 2024 12:30		31 Jul 2024 11:22	01 Aug 2024 19:36	1

WorkOrder: HS24071389
InstrumentID: SV-8
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Acenaphthene	83-32-9	0.000050	0.00014	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.00014	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.00014	0.000014	0.00010
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000048	0.000037	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.00014	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000055	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.00014	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.00014	0.000020	0.00010
A	Phenol	108-95-2	0.00010	0.000061	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.00014	0.000019	0.00010
A	2-Methylnaphthalene	91-57-6	0.00010	0.000060	0.000019	0.00010
A	Phenanthrene	85-01-8	0.000050	0.00014	0.000021	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071389
InstrumentID: SV-7
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Acenaphthene	83-32-9	0.00010	0.00010	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00010	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00013	0.000014	0.00010
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00011	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00012	0.000020	0.00020
A	Fluoranthene	206-44-0	0.00010	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00011	0.000030	0.00010
A	Naphthalene	91-20-3	0.00010	0.00011	0.000020	0.00010
A	Phenol	108-95-2	0.00010	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00013	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

QC BATCH REPORT

Batch ID: 215352 (1) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215352** Units: **ug/L** Analysis Date: **05-Aug-2024 12:48**
Client ID: Run ID: **SV-8_473690** SeqNo: **8175688** PrepDate: **26-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	< 0.019	0.10								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*5.056*	*0.20*	*5*	*0*	*101*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.721*	*0.20*	*5*	*0*	*94.4*	*40 - 125*				
Surr: 2-Fluorophenol	*4.056*	*0.20*	*5*	*0*	*81.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.009*	*0.20*	*5*	*0*	*100*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.969*	*0.20*	*5*	*0*	*79.4*	*41 - 120*				
Surr: Phenol-d6	*4.491*	*0.20*	*5*	*0*	*89.8*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

QC BATCH REPORT

Batch ID: 215352 (1) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215352** Units: **ug/L** Analysis Date: **05-Aug-2024 13:11**
Client ID: Run ID: **SV-8_473690** SeqNo: **8175689** PrepDate: **26-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	4.131	0.10	5	0	82.6	50 - 120				
Acenaphthene	3.808	0.10	5	0	76.2	45 - 120				
Acenaphthylene	3.91	0.10	5	0	78.2	47 - 120				
Anthracene	4.101	0.10	5	0	82.0	45 - 120				
Bis(2-ethylhexyl)phthalate	4.394	0.20	5	0	87.9	40 - 139				
Dibenzofuran	3.936	0.10	5	0	78.7	50 - 120				
Di-n-butyl phthalate	4.499	0.20	5	0	90.0	45 - 123				
Fluoranthene	4.17	0.10	5	0	83.4	45 - 125				
Fluorene	4.1	0.10	5	0	82.0	49 - 120				
Naphthalene	3.684	0.10	5	0	73.7	45 - 120				
Phenanthrene	3.992	0.10	5	0	79.8	45 - 121				
Phenol	3.784	0.20	5	0	75.7	20 - 124				
Pyrene	3.873	0.10	5	0	77.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.719*	*0.20*	*5*	*0*	*94.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.153*	*0.20*	*5*	*0*	*83.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.602*	*0.20*	*5*	*0*	*72.0*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.383*	*0.20*	*5*	*0*	*87.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.554*	*0.20*	*5*	*0*	*71.1*	*41 - 120*				
Surr: Phenol-d6	*3.872*	*0.20*	*5*	*0*	*77.4*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

QC BATCH REPORT

Batch ID: 215352 (1) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24071213-09MS** Units: **ug/L** Analysis Date: **05-Aug-2024 15:29**
Client ID: Run ID: **SV-8_473690** SeqNo: **8176487** PrepDate: **26-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	3.859	0.10	5	0	77.2	50 - 120				
Acenaphthene	3.58	0.10	5	0	71.6	45 - 120				
Acenaphthylene	3.56	0.10	5	0	71.2	47 - 120				
Anthracene	3.764	0.10	5	0	75.3	45 - 120				
Bis(2-ethylhexyl)phthalate	4.407	0.20	5	0	88.1	40 - 139				
Dibenzofuran	3.675	0.10	5	0	73.5	50 - 120				
Di-n-butyl phthalate	4.451	0.20	5	0	89.0	45 - 123				
Fluoranthene	4.189	0.10	5	0	83.8	45 - 125				
Fluorene	3.899	0.10	5	0	78.0	49 - 120				
Naphthalene	3.438	0.10	5	0.02299	68.3	45 - 120				
Phenanthrene	3.782	0.10	5	0	75.6	45 - 121				
Phenol	2.084	0.20	5	0	41.7	20 - 124				
Pyrene	3.951	0.10	5	0	79.0	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.903*	*0.20*	*5*	*0*	*98.1*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.01*	*0.20*	*5*	*0*	*80.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.558*	*0.20*	*5*	*0*	*71.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.632*	*0.20*	*5*	*0*	*92.6*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.581*	*0.20*	*5*	*0*	*71.6*	*41 - 120*				
Surr: Phenol-d6	*1.577*	*0.20*	*5*	*0*	*31.5*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

QC BATCH REPORT

Batch ID: 215352 (1) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24071213-09MSD** Units: **ug/L** Analysis Date: **05-Aug-2024 15:52**
Client ID: Run ID: **SV-8_473690** SeqNo: **8176488** PrepDate: **26-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
2-Methylnaphthalene	4.042	0.10	5	0	80.8	50 - 120	3.859	4.63	20	
Acenaphthene	3.733	0.10	5	0	74.7	45 - 120	3.58	4.18	20	
Acenaphthylene	3.713	0.10	5	0	74.3	47 - 120	3.56	4.2	20	
Anthracene	4.053	0.10	5	0	81.1	45 - 120	3.764	7.39	20	
Bis(2-ethylhexyl)phthalate	4.344	0.20	5	0	86.9	40 - 139	4.407	1.45	20	
Dibenzofuran	3.79	0.10	5	0	75.8	50 - 120	3.675	3.1	20	
Di-n-butyl phthalate	4.502	0.20	5	0	90.0	45 - 123	4.451	1.16	20	
Fluoranthene	4.273	0.10	5	0	85.5	45 - 125	4.189	1.98	20	
Fluorene	3.971	0.10	5	0	79.4	49 - 120	3.899	1.83	20	
Naphthalene	3.552	0.10	5	0.02299	70.6	45 - 120	3.438	3.28	20	
Phenanthrene	3.953	0.10	5	0	79.1	45 - 121	3.782	4.42	20	
Phenol	3.542	0.20	5	0	70.8	20 - 124	2.084	51.8	20	R
Pyrene	3.969	0.10	5	0	79.4	40 - 130	3.951	0.464	20	
Surr: 2,4,6-Tribromophenol	*5.088*	*0.20*	*5*	*0*	*102*	*34 - 129*	*4.903*	*3.7*	*20*	
Surr: 2-Fluorobiphenyl	*4.06*	*0.20*	*5*	*0*	*81.2*	*40 - 125*	*4.01*	*1.24*	*20*	
Surr: 2-Fluorophenol	*3.556*	*0.20*	*5*	*0*	*71.1*	*20 - 120*	*3.558*	*0.0592*	*20*	
Surr: 4-Terphenyl-d14	*4.351*	*0.20*	*5*	*0*	*87.0*	*40 - 135*	*4.632*	*6.25*	*20*	
Surr: Nitrobenzene-d5	*3.43*	*0.20*	*5*	*0*	*68.6*	*41 - 120*	*3.581*	*4.3*	*20*	
Surr: Phenol-d6	*3.852*	*0.20*	*5*	*0*	*77.0*	*20 - 120*	*1.577*	*83.8*	*20*	R

The following samples were analyzed in this batch:

HS24071389-01	HS24071389-02	HS24071389-03	HS24071389-04
HS24071389-05	HS24071389-06	HS24071389-07	HS24071389-08
HS24071389-09	HS24071389-10		

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

QC BATCH REPORT

Batch ID: 215549 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215549** Units: **ug/L** Analysis Date: **01-Aug-2024 15:28**
Client ID: Run ID: **SV-7_473554** SeqNo: **8173139** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*2.781*	*0.20*	*5*	*0*	*55.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.758*	*0.20*	*5*	*0*	*75.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.518*	*0.20*	*5*	*0*	*70.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.251*	*0.20*	*5*	*0*	*85.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.138*	*0.20*	*5*	*0*	*62.8*	*41 - 120*				
Surr: Phenol-d6	*3.275*	*0.20*	*5*	*0*	*65.5*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

QC BATCH REPORT

Batch ID: 215549 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215549** Units: **ug/L** Analysis Date: **01-Aug-2024 15:51**
Client ID: Run ID: **SV-7_473554** SeqNo: **8173228** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	3.809	0.10	5	0	76.2	45 - 120				
Acenaphthylene	3.84	0.10	5	0	76.8	47 - 120				
Anthracene	3.732	0.10	5	0	74.6	45 - 120				
Bis(2-ethylhexyl)phthalate	3.774	0.20	5	0	75.5	40 - 139				
Dibenzofuran	4.029	0.10	5	0	80.6	50 - 120				
Di-n-butyl phthalate	3.714	0.20	5	0	74.3	45 - 123				
Fluoranthene	3.835	0.10	5	0	76.7	45 - 125				
Fluorene	4.25	0.10	5	0	85.0	49 - 120				
Naphthalene	3.591	0.10	5	0	71.8	45 - 120				
Phenol	4.197	0.20	5	0	83.9	20 - 124				
Pyrene	3.533	0.10	5	0	70.7	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.678*	*0.20*	*5*	*0*	*93.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.259*	*0.20*	*5*	*0*	*85.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.809*	*0.20*	*5*	*0*	*76.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.718*	*0.20*	*5*	*0*	*74.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.216*	*0.20*	*5*	*0*	*84.3*	*41 - 120*				
Surr: Phenol-d6	*3.993*	*0.20*	*5*	*0*	*79.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: HS24071389

QC BATCH REPORT

Batch ID: 215549 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215549** Units: **ug/L** Analysis Date: **01-Aug-2024 16:15**
Client ID: Run ID: **SV-7_473554** SeqNo: **8173229** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Acenaphthene	3.875	0.10	5	0	77.5	45 - 120	3.809	1.72	20	
Acenaphthylene	3.795	0.10	5	0	75.9	47 - 120	3.84	1.17	20	
Anthracene	3.971	0.10	5	0	79.4	45 - 120	3.732	6.2	20	
Bis(2-ethylhexyl)phthalate	3.591	0.20	5	0	71.8	40 - 139	3.774	4.98	20	
Dibenzofuran	3.948	0.10	5	0	79.0	50 - 120	4.029	2.03	20	
Di-n-butyl phthalate	3.674	0.20	5	0	73.5	45 - 123	3.714	1.08	20	
Fluoranthene	3.742	0.10	5	0	74.8	45 - 125	3.835	2.46	20	
Fluorene	4.182	0.10	5	0	83.6	49 - 120	4.25	1.61	20	
Naphthalene	3.584	0.10	5	0	71.7	45 - 120	3.591	0.21	20	
Phenol	4.088	0.20	5	0	81.8	20 - 124	4.197	2.63	20	
Pyrene	3.524	0.10	5	0	70.5	40 - 130	3.533	0.254	20	
Surr: 2,4,6-Tribromophenol	*4.279*	*0.20*	*5*	*0*	*85.6*	*34 - 129*	*4.678*	*8.91*	*20*	
Surr: 2-Fluorobiphenyl	*4.093*	*0.20*	*5*	*0*	*81.9*	*40 - 125*	*4.259*	*3.97*	*20*	
Surr: 2-Fluorophenol	*3.548*	*0.20*	*5*	*0*	*71.0*	*20 - 120*	*3.809*	*7.1*	*20*	
Surr: 4-Terphenyl-d14	*3.802*	*0.20*	*5*	*0*	*76.0*	*40 - 135*	*3.718*	*2.23*	*20*	
Surr: Nitrobenzene-d5	*4.128*	*0.20*	*5*	*0*	*82.6*	*41 - 120*	*4.216*	*2.1*	*20*	
Surr: Phenol-d6	*3.967*	*0.20*	*5*	*0*	*79.3*	*20 - 120*	*3.993*	*0.656*	*20*	

The following samples were analyzed in this batch: HS24071389-11 HS24071389-12

Client: WSP Austin
Project: Houston TX-Wood Preserve Works
WorkOrder: **HS24071389**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Illinois	2000322023-11	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24071389 **Date/Time Received:** **23-Jul-2024 15:15**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Nilesh D. Ranchod	24-Jul-2024 17:44	**Reviewed by:**	/S/ Luis.Aguilar	29-Jul-2024 10:20
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:058013
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.6c/1.6c , 0.9c/0.9c UC/C	IR 34
Cooler(s)/Kit(s):	52369/51836	
Date/Time sample(s) sent to storage:	07/24/2024 18:00	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Chain of Custody Form

Page 1 of 1

COC ID: 058013

WSP Austin
Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Houston TX Wood Preserve	A	ATZ Site Wide
Work Order		Project Number	1620-20 SR 92689 Works	B	BTZ Site Wide
Company Name	WSP / Golder	Bill To Company	Union Pacific Railroad		
Send Report To	Eric Mortenson Emanuel Higa	Invoice Attn	Accounts Payable	D	
Address		Address	1400 Douglas St Stop 0750	E	
				F	
City/State/Zip		City/State/Zip		G	
Phone		Phone		H	
Fax		Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	W6-1620-P12-20240723	7/23/24	945	GW	T	2	X	X									
2	W6-1620-MW08-20240723	7/23/24	905		|	2	X	X									
3	W6-1620-MW02-20240723	7/22/24	815		|	2	X	X									
4	W6-1620-MW10A-20240723	7/23/24	745		|	2	X	X									
5	W6-1620-FD02-20240723	7/23/24	750		|	2	X	X									
6	W6-1620-MW10B-20240723	7/23/24	1620		|	2	X	X									
7	W6-1620-MW11A-20240722	7/22/24	1505		|	2	X	X									
8	W6-1620-MW10A-20240722	7/22/24	1550		|	2	X	X									
9	W6-1620-MW11B-20240722	7/22/24	1435		|	2	X	X									
10	W6-1620-MW07-20240722	7/22/24	1300	GW	|	2	X	X									

Sampler(s) Please Print & Sign: Leon St Rose

Shipment Method: Pick up

Turnaround Time in Business Days (BD): ☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
	7/23/24	1345	
Relinquished by:	Date:	Time:	Received by (Laboratory):
	7.23.24	1515	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes:

Cooler ID	Cooler Temp.
51836	0.9
52369	1.6

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Date ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

Page 1 of 1

COC ID: 057977

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Houston TX Wood Preserving	A	ATZ Site wide
Work Order		Project Number	1620-20 SR92685	B	BTZ Site wide
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad	C	
Send Report To	Eric Materner	Invoice Attn	Accounts payable A/P	D	
Address	Emanuel Hgwy	Address	1400 Douglas St Stop 0750	E	
				F	
City/State/Zip		City/State/Zip		G	
Phone		Phone		H	
Fax		Fax		I	
e-Mail Address		e-Mail Address		J	

HS2407138 9
WSP Austin
Houston TX-Wood Preserve Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H
1	WG-1620-PID-20240722	7/22/24	1230	GW	—	2	X	X						
2	WG-1620-FD01-20240722	7/22/24	1230	GW	—	2	X	X						
3														
4														
5														
6														
7														
8														
9														
10														

Sampler(s) Please Print & Sign	Shipment Method	Turnaround Time in Business Days (BD)	Results Due Date:
Leon Stayer	Pickup	☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD	

Relinquished by:	Date:	Time:	Received by:	Notes:
	7/23/24	1345		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
	7·23·24	1515		
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

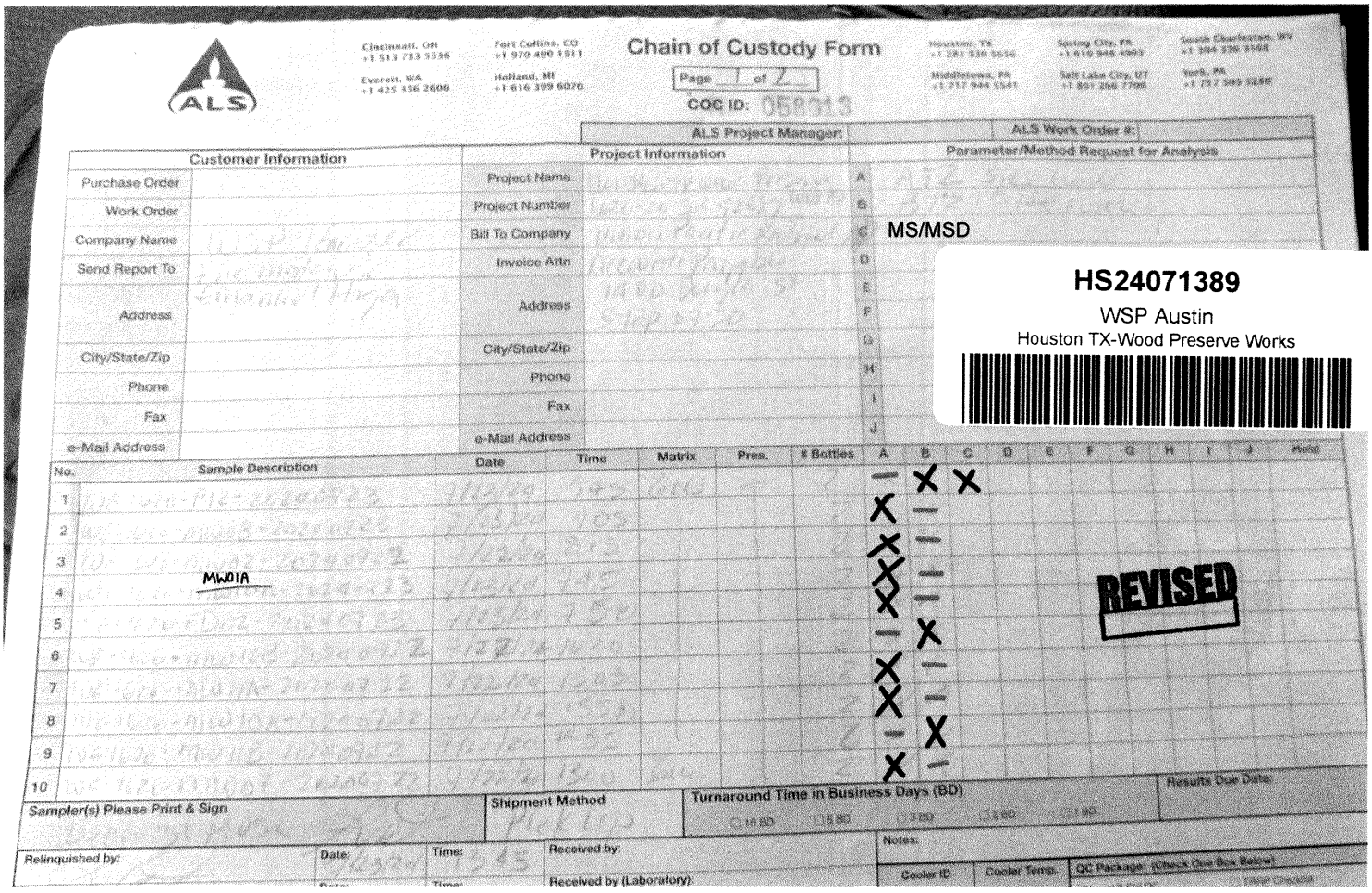
Cooler ID	Cooler Temp.
52364	1.6
51836	0.9

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Date ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

Page 1 of 2

COC ID: 058013

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis
Purchase Order		Project Name		A
Work Order		Project Number		B
Company Name		Bill To Company		C MS/MSD
Send Report To		Invoice Attn		D
Address		Address		E
				F
City/State/Zip		City/State/Zip		G
Phone		Phone		H
Fax		Fax		I
e-Mail Address		e-Mail Address		J

HS24071389

WSP Austin

Houston TX-Wood Preserve Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1							—	X	X								
2							X	—									
3							X	—									
4	MW01A						X	—									
5							—	X									
6							X	—									
7							X	—									
8							—	X									
9							X	—									
10																	

REVISED

Sampler(s) Please Print & Sign | Shipment Method | Turnaround Time in Business Days (BD) ☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD | Results Due Date:

Relinquished by: | Date: | Time: | Received by: | Notes:

Received by (Laboratory): | Cooler ID | Cooler Temp. | QC Package: (Check One Box Below)

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Chain of Custody Form

Page 1 of 2

COC ID: 057977

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis
Purchase Order		Project Name	A	
Work Order		Project Number	B	
Company Name		Bill To Company	C	
Send Report To		Invoice Attn	D	
Address		Address	E	
			F	
City/State/Zip		City/State/Zip	G	
Phone		Phone	H	
Fax		Fax	I	
e-Mail Address		e-Mail Address	J	

HS24071389
WSP Austin
Houston TX-Wood Preserve Works

REVISED

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1								X									
2								X									
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign | Shipment Method | Turnaround Time in Business Days (BD): ☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD | Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes:

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 13, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24071691**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 15 sample(s) on Jul 26, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24071691**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS24071691**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/13/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071691					
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215517,215549,215576,215618,R473418,R473540,R473630,R474187,R474217					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?		X			1	
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			2	
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?		X			3	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			4	
		Were MS/MSD RPDs within laboratory QC limits?	X					
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				5	
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/13/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071691				
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215517,215549,215576,215618,R473418,R473540,R473630,R474187,R474217				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?		X			6
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/13/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24071691
Reviewer Name: Luis.Aguilar	Prep Batch Number(s): 215517,215549,215576,215618,R473418,R473540,R473630,R474187,R474217

ER#[5]	Description
1	Volatiles Method SW8260, sample WG-1620-MW32B-20240726 was analyzed outside the holding time Sample was run in holding time but due to QA failures, this run could not be reported. Reported run was analyzed out of hold time.
2	Semivolatiles Method SW8270, samples WG-1620-MW75B-20240725, WG-1620-MW40B-20240726, WG-1620-MW12A-20240726, WG-1620-MW32B-20240726, the surrogate recoveries could not be determined due to dilution below the calibration range. Semivolatiles Method SW8270, sample WG-1620-MW12A-20240726 , surrogates 2,4,6-Tribromophenol, 4-Terphenyl-d14 recovered above the control limit due to matrix interference. Confirmed by reanalysis Semivolatiles Method SW8270, sample WG-1620-FB02-20240726 surrogate 4-Terphenyl-d14 recovered above the control limit. No target analytes were detected in the sample. The high surrogate recovery did not impact the non-detect results for target analytes. Semivolatiles Method SW8270, sample WG-1620-MW32B-20240726, surrogate 2,4,6-Tribromophenol recovered above the control limit due to matrix interference. Confirmed by analysis Volatiles Method SW8260, samples WG-1620-MW14-20240726, WG-1620-MW12A-20240726, surrogate 1,2-Dichloroethane-d4 recovered slightly above the control limit . Samples are ND
3	Batches 215549 and 215618, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
4	Batch R473540, Volatiles Method SW8260, sample HS24071783-27, MS and MSD were performed on unrelated sample Batch R473630, Volatiles Method SW8260, sample HS24071719-16, MS and MSD were performed on unrelated sample Batch R474187, Volatiles Method SW8260, sample HS24080279-03, MS and MSD were performed on unrelated sample
5	Batch 215618, Semivolatiles Method SW8270, Samples were ran at 10X dilution due to sample matrix Batch 215549, Semivolatiles Method SW8270, samples WG-1620-MW75B-20240725, WG-1620-MW32B-20240726: The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference. Batch R473540, Volatiles Method SW8260, samples WG-1620-MW75B-20240725, WG-1620-MW40B-20240726 (5) Lowest possible dilution due to sample matrix and/or high concentration of target/non-target analyte(s).
6	Batch 215549, Semivolatiles Method SW8270, sample WG-1620-MW75B-2024072, : One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference. Confirmed by 10000x dilution: Internal Standard failure for Perylene-d12 & Chrysene-d12 Batch 215618, Semivolatiles Method SW8270, sample WG-1620-MW40B-20240726, : One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference. Confirmed by 10000x dilution: Internal Standard failure for Perylene-d12, Chrysene-d12, and Naphthalene-d8. Batch 215618, Semivolatiles Method SW8270, sample WG-1620-MW39B-20240726, : One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference. Confirmed by 10000x dilution: Internal Standard failure for Perylene-d12.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24071691

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24071691-01	WG-1620-MW75B-20240725	Groundwater		25-Jul-2024 10:30	26-Jul-2024 17:50	☐
HS24071691-02	WG-1620-MW50B-20240725	Groundwater		25-Jul-2024 12:40	26-Jul-2024 17:50	☐
HS24071691-03	WG-1620-MW81B-20240725	Groundwater		25-Jul-2024 13:53	26-Jul-2024 17:50	☐
HS24071691-04	WG-1620-MW51A-20240725	Groundwater		25-Jul-2024 15:30	26-Jul-2024 17:50	☐
HS24071691-05	WG-1620-MW40B-20240726	Groundwater		26-Jul-2024 10:15	26-Jul-2024 17:50	☐
HS24071691-06	WG-1620-MW14-20240726	Groundwater		26-Jul-2024 12:00	26-Jul-2024 17:50	☐
HS24071691-07	WG-1620-MW12A-20240726	Groundwater		26-Jul-2024 13:35	26-Jul-2024 17:50	☐
HS24071691-08	WG-1620-MW12C-20240726	Groundwater		26-Jul-2024 15:08	26-Jul-2024 17:50	☐
HS24071691-09	WG-1620-MW39B-20240726	Groundwater		26-Jul-2024 16:35	26-Jul-2024 17:50	☐
HS24071691-10	WG-1620-FB02-20240726	Groundwater		26-Jul-2024 16:45	26-Jul-2024 17:50	☐
HS24071691-11	WG-1620-MW32AR-20240725	Groundwater		25-Jul-2024 11:00	26-Jul-2024 17:50	☐
HS24071691-12	WG-1620-MW32B-20240726	Groundwater		26-Jul-2024 10:20	26-Jul-2024 17:50	☐
HS24071691-13	WG-1620-MW68C-20240726	Groundwater		26-Jul-2024 11:40	26-Jul-2024 17:50	☐
HS24071691-14	WG-1620-MW84B-20240726	Groundwater		26-Jul-2024 13:55	26-Jul-2024 17:50	☐
HS24071691-15	WG-1620-MW89B-20240726	Groundwater		26-Jul-2024 15:15	26-Jul-2024 17:50	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW75B-20240725
Collection Date: 25-Jul-2024 10:30

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	02-Aug-2024 05:51
Benzene	**0.34**		**0.010**	**0.050**	**mg/L**	50	02-Aug-2024 05:51
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	02-Aug-2024 05:51
Ethylbenzene	**0.13**		**0.015**	**0.050**	**mg/L**	50	02-Aug-2024 05:51
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	02-Aug-2024 05:51
Toluene	**0.34**		**0.010**	**0.050**	**mg/L**	50	02-Aug-2024 05:51
Vinyl chloride	< 0.010		0.010	0.050	mg/L	50	02-Aug-2024 05:51
Xylenes, Total	**0.43**		**0.015**	**0.15**	**mg/L**	50	02-Aug-2024 05:51
Surr: 1,2-Dichloroethane-d4	*75.6*			*70-126*	*%REC*	*50*	*02-Aug-2024 05:51*
Surr: 4-Bromofluorobenzene	*92.9*			*77-113*	*%REC*	*50*	*02-Aug-2024 05:51*
Surr: Dibromofluoromethane	*89.2*			*77-123*	*%REC*	*50*	*02-Aug-2024 05:51*
Surr: Toluene-d8	*87.9*			*82-127*	*%REC*	*50*	*02-Aug-2024 05:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW75B-20240725
Collection Date: 25-Jul-2024 10:30

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 31-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	05-Aug-2024 16:49
2,4-Dimethylphenol	**0.34**		**0.0040**	**0.020**	**mg/L**	100	05-Aug-2024 16:49
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	05-Aug-2024 16:49
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	05-Aug-2024 16:49
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	05-Aug-2024 16:49
2-Methylnaphthalene	**6.2**		**0.019**	**0.10**	**mg/L**	1000	06-Aug-2024 22:44
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	05-Aug-2024 16:49
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	05-Aug-2024 16:49
Acenaphthene	**4.9**		**0.027**	**0.10**	**mg/L**	1000	06-Aug-2024 22:44
Acenaphthylene	**0.060**		**0.0015**	**0.010**	**mg/L**	100	05-Aug-2024 16:49
Anthracene	**2.4**		**0.014**	**0.10**	**mg/L**	1000	06-Aug-2024 22:44
Benz(a)anthracene	**0.38**		**0.0050**	**0.010**	**mg/L**	100	05-Aug-2024 16:49
Benzo(a)pyrene	**0.13**		**0.0020**	**0.010**	**mg/L**	100	05-Aug-2024 16:49
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	05-Aug-2024 16:49
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	05-Aug-2024 16:49
Chrysene	**0.40**		**0.0021**	**0.010**	**mg/L**	100	05-Aug-2024 16:49
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	05-Aug-2024 16:49
Dibenzofuran	**4.3**		**0.020**	**0.10**	**mg/L**	1000	06-Aug-2024 22:44
Fluoranthene	**4.7**		**0.010**	**0.10**	**mg/L**	1000	06-Aug-2024 22:44
Fluorene	**4.8**		**0.030**	**0.10**	**mg/L**	1000	06-Aug-2024 22:44
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	05-Aug-2024 16:49
Naphthalene	**29**		**0.20**	**1.0**	**mg/L**	10000	06-Aug-2024 23:07
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	05-Aug-2024 16:49
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	05-Aug-2024 16:49
Phenanthrene	**14**		**0.21**	**1.0**	**mg/L**	10000	06-Aug-2024 23:07
Phenol	< 0.0035		0.0035	0.020	mg/L	100	05-Aug-2024 16:49
Pyrene	**3.1**		**0.019**	**0.10**	**mg/L**	1000	06-Aug-2024 22:44
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*06-Aug-2024 22:44*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*06-Aug-2024 23:07*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*05-Aug-2024 16:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*06-Aug-2024 22:44*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*06-Aug-2024 23:07*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*05-Aug-2024 16:49*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*05-Aug-2024 16:49*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*06-Aug-2024 23:07*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*06-Aug-2024 22:44*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*06-Aug-2024 22:44*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*06-Aug-2024 23:07*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*05-Aug-2024 16:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW75B-20240725
Collection Date: 25-Jul-2024 10:30

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 31-Jul-2024		Analyst: GEY
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*06-Aug-2024 23:07*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*06-Aug-2024 22:44*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*05-Aug-2024 16:49*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*05-Aug-2024 16:49*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*06-Aug-2024 22:44*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*06-Aug-2024 23:07*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.00241**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW50B-20240725
Collection Date: 25-Jul-2024 12:40

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 03:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 03:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 03:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:08
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:08
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 03:08
Surr: 1,2-Dichloroethane-d4	*76.3*			*70-126*	*%REC*	*1*	*31-Jul-2024 03:08*
Surr: 4-Bromofluorobenzene	*91.1*			*77-113*	*%REC*	*1*	*31-Jul-2024 03:08*
Surr: Dibromofluoromethane	*89.7*			*77-123*	*%REC*	*1*	*31-Jul-2024 03:08*
Surr: Toluene-d8	*90.8*			*82-127*	*%REC*	*1*	*31-Jul-2024 03:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW50B-20240725
Collection Date: 25-Jul-2024 12:40

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 31-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 17:33
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2024 17:33
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2024 17:33
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2024 17:33
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 17:33
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2024 17:33
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	05-Aug-2024 17:33
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2024 17:33
Acenaphthene	**0.00011**		**0.000027**	**0.00010**	**mg/L**	1	05-Aug-2024 17:33
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2024 17:33
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2024 17:33
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2024 17:33
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 17:33
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2024 17:33
Bis(2-ethylhexyl)phthalate	**0.00010**	J	**0.000037**	**0.00020**	**mg/L**	1	05-Aug-2024 17:33
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 17:33
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2024 17:33
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 17:33
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2024 17:33
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2024 17:33
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2024 17:33
Naphthalene	**0.00035**		**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2024 17:33
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2024 17:33
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2024 17:33
Phenanthrene	**0.00017**		**0.000021**	**0.00010**	**mg/L**	1	05-Aug-2024 17:33
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2024 17:33
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2024 17:33
Surr: 2,4,6-Tribromophenol	*98.6*			*34-129*	*%REC*	*1*	*05-Aug-2024 17:33*
Surr: 2-Fluorobiphenyl	*87.3*			*40-125*	*%REC*	*1*	*05-Aug-2024 17:33*
Surr: 2-Fluorophenol	*62.7*			*20-120*	*%REC*	*1*	*05-Aug-2024 17:33*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*1*	*05-Aug-2024 17:33*
Surr: Nitrobenzene-d5	*84.0*			*41-120*	*%REC*	*1*	*05-Aug-2024 17:33*
Surr: Phenol-d6	*45.0*			*20-120*	*%REC*	*1*	*05-Aug-2024 17:33*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.000981**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW81B-20240725
Collection Date: 25-Jul-2024 13:53

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:31
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:31
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 03:31
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 03:31
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 03:31
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:31
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:31
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 03:31
Surr: 1,2-Dichloroethane-d4	*78.2*			*70-126*	*%REC*	*1*	*31-Jul-2024 03:31*
Surr: 4-Bromofluorobenzene	*86.6*			*77-113*	*%REC*	*1*	*31-Jul-2024 03:31*
Surr: Dibromofluoromethane	*92.0*			*77-123*	*%REC*	*1*	*31-Jul-2024 03:31*
Surr: Toluene-d8	*87.0*			*82-127*	*%REC*	*1*	*31-Jul-2024 03:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW81B-20240725
Collection Date: 25-Jul-2024 13:53

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 31-Jul-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 18:18
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2024 18:18
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2024 18:18
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2024 18:18
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 18:18
2-Methylnaphthalene	**0.000040**	J	**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 18:18
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2024 18:18
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2024 18:18
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	07-Aug-2024 18:18
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2024 18:18
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	07-Aug-2024 18:18
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2024 18:18
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 18:18
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2024 18:18
Bis(2-ethylhexyl)phthalate	**0.000059**	J	**0.000037**	**0.00020**	**mg/L**	1	07-Aug-2024 18:18
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 18:18
Di-n-butyl phthalate	**0.000027**	J	**0.000020**	**0.00020**	**mg/L**	1	07-Aug-2024 18:18
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 18:18
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2024 18:18
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	07-Aug-2024 18:18
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2024 18:18
Naphthalene	**0.00026**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 18:18
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2024 18:18
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2024 18:18
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 18:18
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2024 18:18
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2024 18:18
Surr: 2,4,6-Tribromophenol	*99.5*			*34-129*	*%REC*	*1*	*07-Aug-2024 18:18*
Surr: 2-Fluorobiphenyl	*80.7*			*40-125*	*%REC*	*1*	*07-Aug-2024 18:18*
Surr: 2-Fluorophenol	*68.7*			*20-120*	*%REC*	*1*	*07-Aug-2024 18:18*
Surr: 4-Terphenyl-d14	*93.6*			*40-135*	*%REC*	*1*	*07-Aug-2024 18:18*
Surr: Nitrobenzene-d5	*66.3*			*41-120*	*%REC*	*1*	*07-Aug-2024 18:18*
Surr: Phenol-d6	*76.9*			*20-120*	*%REC*	*1*	*07-Aug-2024 18:18*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.000583**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:40

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51A-20240725
Collection Date: 25-Jul-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:53
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:53
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 03:53
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 03:53
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 03:53
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:53
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 03:53
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 03:53
Surr: 1,2-Dichloroethane-d4	*79.6*			*70-126*	*%REC*	*1*	*31-Jul-2024 03:53*
Surr: 4-Bromofluorobenzene	*96.3*			*77-113*	*%REC*	*1*	*31-Jul-2024 03:53*
Surr: Dibromofluoromethane	*93.1*			*77-123*	*%REC*	*1*	*31-Jul-2024 03:53*
Surr: Toluene-d8	*99.8*			*82-127*	*%REC*	*1*	*31-Jul-2024 03:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51A-20240725
Collection Date: 25-Jul-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 31-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 18:18
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2024 18:18
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2024 18:18
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2024 18:18
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 18:18
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2024 18:18
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	05-Aug-2024 18:18
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2024 18:18
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2024 18:18
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2024 18:18
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2024 18:18
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2024 18:18
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 18:18
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2024 18:18
Bis(2-ethylhexyl)phthalate	**0.00015**	J	**0.000037**	**0.00020**	**mg/L**	1	05-Aug-2024 18:18
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 18:18
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2024 18:18
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 18:18
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2024 18:18
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2024 18:18
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2024 18:18
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 18:18
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2024 18:18
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2024 18:18
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 18:18
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2024 18:18
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2024 18:18
Surr: 2,4,6-Tribromophenol	*96.6*			*34-129*	*%REC*	*1*	*05-Aug-2024 18:18*
Surr: 2-Fluorobiphenyl	*86.3*			*40-125*	*%REC*	*1*	*05-Aug-2024 18:18*
Surr: 2-Fluorophenol	*60.9*			*20-120*	*%REC*	*1*	*05-Aug-2024 18:18*
Surr: 4-Terphenyl-d14	*93.7*			*40-135*	*%REC*	*1*	*05-Aug-2024 18:18*
Surr: Nitrobenzene-d5	*103*			*41-120*	*%REC*	*1*	*05-Aug-2024 18:18*
Surr: Phenol-d6	*62.1*			*20-120*	*%REC*	*1*	*05-Aug-2024 18:18*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.000550**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071691
Sample ID: WG-1620-MW40B-20240726
Lab ID:HS24071691-05
Collection Date: 26-Jul-2024 10:15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	02-Aug-2024 06:14
Benzene	< 0.010		0.010	0.050	mg/L	50	02-Aug-2024 06:14
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	02-Aug-2024 06:14
Ethylbenzene	**0.097**		**0.015**	**0.050**	**mg/L**	50	02-Aug-2024 06:14
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	02-Aug-2024 06:14
Toluene	**0.021**	J	**0.010**	**0.050**	**mg/L**	50	02-Aug-2024 06:14
Vinyl chloride	< 0.010		0.010	0.050	mg/L	50	02-Aug-2024 06:14
Xylenes, Total	**0.22**		**0.015**	**0.15**	**mg/L**	50	02-Aug-2024 06:14
Surr: 1,2-Dichloroethane-d4	*70.8*			*70-126*	*%REC*	*50*	*02-Aug-2024 06:14*
Surr: 4-Bromofluorobenzene	*85.7*			*77-113*	*%REC*	*50*	*02-Aug-2024 06:14*
Surr: Dibromofluoromethane	*85.4*			*77-123*	*%REC*	*50*	*02-Aug-2024 06:14*
Surr: Toluene-d8	*87.7*			*82-127*	*%REC*	*50*	*02-Aug-2024 06:14*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW40B-20240726
Collection Date: 26-Jul-2024 10:15

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 19:02
2,4-Dimethylphenol	**0.00042**		**0.000040**	**0.00020**	**mg/L**	1	05-Aug-2024 19:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2024 19:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2024 19:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 19:02
2-Methylnaphthalene	< 0.19		0.19	1.0	mg/L	10000	06-Aug-2024 23:53
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	05-Aug-2024 19:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2024 19:02
Acenaphthene	< 0.27		0.27	1.0	mg/L	10000	06-Aug-2024 23:53
Acenaphthylene	**0.00099**		**0.000015**	**0.00010**	**mg/L**	1	05-Aug-2024 19:02
Anthracene	**0.0065**		**0.000014**	**0.00010**	**mg/L**	1	05-Aug-2024 19:02
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2024 19:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 19:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2024 19:02
Bis(2-ethylhexyl)phthalate	**0.00016**	J	**0.000037**	**0.00020**	**mg/L**	1	05-Aug-2024 19:02
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 19:02
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2024 19:02
Dibenzofuran	**0.071**		**0.00020**	**0.0010**	**mg/L**	10	06-Aug-2024 23:30
Fluoranthene	**0.0039**		**0.000010**	**0.00010**	**mg/L**	1	05-Aug-2024 19:02
Fluorene	**0.072**		**0.00030**	**0.0010**	**mg/L**	10	06-Aug-2024 23:30
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2024 19:02
Naphthalene	**2.9**		**0.20**	**1.0**	**mg/L**	10000	06-Aug-2024 23:53
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2024 19:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2024 19:02
Phenanthrene	**0.065**		**0.00021**	**0.0010**	**mg/L**	10	06-Aug-2024 23:30
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2024 19:02
Pyrene	**0.0016**		**0.000019**	**0.00010**	**mg/L**	1	05-Aug-2024 19:02
Surr: 2,4,6-Tribromophenol	*125*			*34-129*	*%REC*	*10*	*06-Aug-2024 23:30*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*06-Aug-2024 23:53*
Surr: 2,4,6-Tribromophenol	*120*			*34-129*	*%REC*	*1*	*05-Aug-2024 19:02*
Surr: 2-Fluorobiphenyl	*64.3*			*40-125*	*%REC*	*1*	*05-Aug-2024 19:02*
Surr: 2-Fluorobiphenyl	*88.2*			*40-125*	*%REC*	*10*	*06-Aug-2024 23:30*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*06-Aug-2024 23:53*
Surr: 2-Fluorophenol	*79.4*			*20-120*	*%REC*	*10*	*06-Aug-2024 23:30*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*06-Aug-2024 23:53*
Surr: 2-Fluorophenol	*71.3*			*20-120*	*%REC*	*1*	*05-Aug-2024 19:02*
Surr: 4-Terphenyl-d14	*92.6*			*40-135*	*%REC*	*1*	*05-Aug-2024 19:02*
Surr: 4-Terphenyl-d14	*131*			*40-135*	*%REC*	*10*	*06-Aug-2024 23:30*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*06-Aug-2024 23:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW40B-20240726
Collection Date: 26-Jul-2024 10:15

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2024		Analyst: GEY
Surr: Nitrobenzene-d5	*81.5*			*41-120*	*%REC*	*10*	*06-Aug-2024 23:30*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*06-Aug-2024 23:53*
Surr: Nitrobenzene-d5	*43.9*			*41-120*	*%REC*	*1*	*05-Aug-2024 19:02*
Surr: Phenol-d6	*48.2*			*20-120*	*%REC*	*1*	*05-Aug-2024 19:02*
Surr: Phenol-d6	*79.7*			*20-120*	*%REC*	*10*	*06-Aug-2024 23:30*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*06-Aug-2024 23:53*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.0475**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071691
Sample ID: WG-1620-MW14-20240726
Lab ID:HS24071691-06
Collection Date: 26-Jul-2024 12:00
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 19:40
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 19:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2024 19:40
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2024 19:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2024 19:40
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 19:40
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 19:40
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	02-Aug-2024 19:40
Surr: 1,2-Dichloroethane-d4	*128*	*S*		*70-126*	*%REC*	*1*	*02-Aug-2024 19:40*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*02-Aug-2024 19:40*
Surr: Dibromofluoromethane	*110*			*77-123*	*%REC*	*1*	*02-Aug-2024 19:40*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*02-Aug-2024 19:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW14-20240726
Collection Date: 26-Jul-2024 12:00

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 19:24
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2024 19:24
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2024 19:24
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2024 19:24
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 19:24
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2024 19:24
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	05-Aug-2024 19:24
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2024 19:24
Acenaphthene	**0.00052**		**0.000027**	**0.00010**	**mg/L**	1	05-Aug-2024 19:24
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2024 19:24
Anthracene	**0.00010**		**0.000014**	**0.00010**	**mg/L**	1	05-Aug-2024 19:24
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2024 19:24
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 19:24
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2024 19:24
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2024 19:24
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 19:24
Di-n-butyl phthalate	**0.000035**	J	**0.000020**	**0.00020**	**mg/L**	1	05-Aug-2024 19:24
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 19:24
Fluoranthene	**0.00032**		**0.000010**	**0.00010**	**mg/L**	1	05-Aug-2024 19:24
Fluorene	**0.00021**		**0.000030**	**0.00010**	**mg/L**	1	05-Aug-2024 19:24
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2024 19:24
Naphthalene	**0.00022**		**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2024 19:24
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2024 19:24
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2024 19:24
Phenanthrene	**0.000100**	J	**0.000021**	**0.00010**	**mg/L**	1	05-Aug-2024 19:24
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2024 19:24
Pyrene	**0.00023**		**0.000019**	**0.00010**	**mg/L**	1	05-Aug-2024 19:24
Surr: 2,4,6-Tribromophenol	*91.6*			*34-129*	*%REC*	*1*	*05-Aug-2024 19:24*
Surr: 2-Fluorobiphenyl	*69.9*			*40-125*	*%REC*	*1*	*05-Aug-2024 19:24*
Surr: 2-Fluorophenol	*56.8*			*20-120*	*%REC*	*1*	*05-Aug-2024 19:24*
Surr: 4-Terphenyl-d14	*92.5*			*40-135*	*%REC*	*1*	*05-Aug-2024 19:24*
Surr: Nitrobenzene-d5	*74.2*			*41-120*	*%REC*	*1*	*05-Aug-2024 19:24*
Surr: Phenol-d6	*67.5*			*20-120*	*%REC*	*1*	*05-Aug-2024 19:24*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.000988**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12A-20240726
Collection Date: 26-Jul-2024 13:35

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 20:03
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 20:03
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2024 20:03
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2024 20:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2024 20:03
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 20:03
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2024 20:03
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	02-Aug-2024 20:03
Surr: 1,2-Dichloroethane-d4	*128*	*S*		*70-126*	*%REC*	*1*	*02-Aug-2024 20:03*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*02-Aug-2024 20:03*
Surr: Dibromofluoromethane	*109*			*77-123*	*%REC*	*1*	*02-Aug-2024 20:03*
Surr: Toluene-d8	*99.7*			*82-127*	*%REC*	*1*	*02-Aug-2024 20:03*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12A-20240726
Collection Date: 26-Jul-2024 13:35

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 19:46
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2024 19:46
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2024 19:46
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2024 19:46
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 19:46
2-Methylnaphthalene	**0.018**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2024 03:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	05-Aug-2024 19:46
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2024 19:46
Acenaphthene	**0.12**		**0.0027**	**0.010**	**mg/L**	100	07-Aug-2024 19:50
Acenaphthylene	**0.00065**		**0.000015**	**0.00010**	**mg/L**	1	05-Aug-2024 19:46
Anthracene	**0.0063**		**0.000014**	**0.00010**	**mg/L**	1	05-Aug-2024 19:46
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2024 19:46
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 19:46
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2024 19:46
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2024 19:46
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 19:46
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2024 19:46
Dibenzofuran	**0.077**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2024 03:11
Fluoranthene	**0.0061**		**0.000010**	**0.00010**	**mg/L**	1	05-Aug-2024 19:46
Fluorene	**0.093**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2024 03:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2024 19:46
Naphthalene	**0.00045**		**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2024 19:46
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2024 19:46
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2024 19:46
Phenanthrene	**0.041**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2024 03:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2024 19:46
Pyrene	**0.0025**		**0.000019**	**0.00010**	**mg/L**	1	05-Aug-2024 19:46
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*07-Aug-2024 19:50*
Surr: 2,4,6-Tribromophenol	*153*	*S*		*34-129*	*%REC*	*10*	*08-Aug-2024 03:11*
Surr: 2,4,6-Tribromophenol	*127*			*34-129*	*%REC*	*1*	*05-Aug-2024 19:46*
Surr: 2-Fluorobiphenyl	*74.3*			*40-125*	*%REC*	*1*	*05-Aug-2024 19:46*
Surr: 2-Fluorobiphenyl	*107*			*40-125*	*%REC*	*10*	*08-Aug-2024 03:11*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*07-Aug-2024 19:50*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*07-Aug-2024 19:50*
Surr: 2-Fluorophenol	*83.8*			*20-120*	*%REC*	*10*	*08-Aug-2024 03:11*
Surr: 2-Fluorophenol	*22.4*			*20-120*	*%REC*	*1*	*05-Aug-2024 19:46*
Surr: 4-Terphenyl-d14	*102*			*40-135*	*%REC*	*1*	*05-Aug-2024 19:46*
Surr: 4-Terphenyl-d14	*145*	*S*		*40-135*	*%REC*	*10*	*08-Aug-2024 03:11*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*07-Aug-2024 19:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12A-20240726
Collection Date: 26-Jul-2024 13:35

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2024		Analyst: GEY
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*07-Aug-2024 19:50*
Surr: Nitrobenzene-d5	*84.8*			*41-120*	*%REC*	*1*	*05-Aug-2024 19:46*
Surr: Nitrobenzene-d5	*82.1*			*41-120*	*%REC*	*10*	*08-Aug-2024 03:11*
Surr: Phenol-d6	*92.7*			*20-120*	*%REC*	*10*	*08-Aug-2024 03:11*
Surr: Phenol-d6	*68.7*			*20-120*	*%REC*	*1*	*05-Aug-2024 19:46*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*07-Aug-2024 19:50*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.00100**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071691
Sample ID: WG-1620-MW12C-20240726
Lab ID:HS24071691-08
Collection Date: 26-Jul-2024 15:08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:16
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:16
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 04:16
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 04:16
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 04:16
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:16
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:16
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 04:16
Surr: 1,2-Dichloroethane-d4	*77.8*			*70-126*	*%REC*	*1*	*31-Jul-2024 04:16*
Surr: 4-Bromofluorobenzene	*91.3*			*77-113*	*%REC*	*1*	*31-Jul-2024 04:16*
Surr: Dibromofluoromethane	*89.0*			*77-123*	*%REC*	*1*	*31-Jul-2024 04:16*
Surr: Toluene-d8	*92.6*			*82-127*	*%REC*	*1*	*31-Jul-2024 04:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12C-20240726
Collection Date: 26-Jul-2024 15:08

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 19:27
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2024 19:27
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2024 19:27
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2024 19:27
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 19:27
2-Methylnaphthalene	**0.00035**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2024 19:27
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2024 19:27
Acenaphthene	**0.0018**		**0.000027**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2024 19:27
Anthracene	**0.00015**		**0.000014**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2024 19:27
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 19:27
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2024 19:27
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2024 19:27
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 19:27
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2024 19:27
Dibenzofuran	**0.0014**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
Fluoranthene	**0.00020**		**0.000010**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
Fluorene	**0.0017**		**0.000030**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2024 19:27
Naphthalene	**0.00028**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2024 19:27
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2024 19:27
Phenanthrene	**0.00084**		**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2024 19:27
Pyrene	**0.000099**	J	**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 19:27
Surr: 2,4,6-Tribromophenol	*108*			*34-129*	*%REC*	*1*	*07-Aug-2024 19:27*
Surr: 2-Fluorobiphenyl	*79.9*			*40-125*	*%REC*	*1*	*07-Aug-2024 19:27*
Surr: 2-Fluorophenol	*67.6*			*20-120*	*%REC*	*1*	*07-Aug-2024 19:27*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*07-Aug-2024 19:27*
Surr: Nitrobenzene-d5	*66.6*			*41-120*	*%REC*	*1*	*07-Aug-2024 19:27*
Surr: Phenol-d6	*75.7*			*20-120*	*%REC*	*1*	*07-Aug-2024 19:27*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.000803**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 00:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW39B-20240726
Collection Date: 26-Jul-2024 16:35

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:39
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:39
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 04:39
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 04:39
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 04:39
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:39
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 04:39
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 04:39
Surr: 1,2-Dichloroethane-d4	*74.0*			*70-126*	*%REC*	*1*	*31-Jul-2024 04:39*
Surr: 4-Bromofluorobenzene	*90.5*			*77-113*	*%REC*	*1*	*31-Jul-2024 04:39*
Surr: Dibromofluoromethane	*86.8*			*77-123*	*%REC*	*1*	*31-Jul-2024 04:39*
Surr: Toluene-d8	*93.8*			*82-127*	*%REC*	*1*	*31-Jul-2024 04:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW39B-20240726
Collection Date: 26-Jul-2024 16:35

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 00:39
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2024 00:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2024 00:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2024 00:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 00:39
2-Methylnaphthalene	**0.00021**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2024 00:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2024 00:39
Acenaphthene	**0.036**		**0.00027**	**0.0010**	**mg/L**	10	07-Aug-2024 01:02
Acenaphthylene	**0.00024**		**0.000015**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
Anthracene	**0.00099**		**0.000014**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2024 00:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 00:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2024 00:39
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2024 00:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 00:39
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2024 00:39
Dibenzofuran	**0.00014**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
Fluoranthene	**0.0015**		**0.000010**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
Fluorene	**0.0072**		**0.000030**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2024 00:39
Naphthalene	**0.00022**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2024 00:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2024 00:39
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 00:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2024 00:39
Pyrene	**0.00090**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 00:39
Surr: 2,4,6-Tribromophenol	*109*			*34-129*	*%REC*	*1*	*07-Aug-2024 00:39*
Surr: 2,4,6-Tribromophenol	*121*			*34-129*	*%REC*	*10*	*07-Aug-2024 01:02*
Surr: 2-Fluorobiphenyl	*84.8*			*40-125*	*%REC*	*1*	*07-Aug-2024 00:39*
Surr: 2-Fluorobiphenyl	*103*			*40-125*	*%REC*	*10*	*07-Aug-2024 01:02*
Surr: 2-Fluorophenol	*69.5*			*20-120*	*%REC*	*1*	*07-Aug-2024 00:39*
Surr: 2-Fluorophenol	*85.4*			*20-120*	*%REC*	*10*	*07-Aug-2024 01:02*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*1*	*07-Aug-2024 00:39*
Surr: 4-Terphenyl-d14	*127*			*40-135*	*%REC*	*10*	*07-Aug-2024 01:02*
Surr: Nitrobenzene-d5	*68.8*			*41-120*	*%REC*	*1*	*07-Aug-2024 00:39*
Surr: Nitrobenzene-d5	*84.9*			*41-120*	*%REC*	*10*	*07-Aug-2024 01:02*
Surr: Phenol-d6	*79.8*			*20-120*	*%REC*	*1*	*07-Aug-2024 00:39*
Surr: Phenol-d6	*96.7*			*20-120*	*%REC*	*10*	*07-Aug-2024 01:02*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW39B-20240726
Collection Date: 26-Jul-2024 16:35

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 31-Jul-2024		Analyst: JC
Arsenic	**0.0367**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 23:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB02-20240726
Collection Date: 26-Jul-2024 16:45

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	09-Aug-2024 23:24
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	09-Aug-2024 23:24
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	09-Aug-2024 23:24
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	09-Aug-2024 23:24
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	09-Aug-2024 23:24
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	09-Aug-2024 23:24
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	09-Aug-2024 23:24
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	09-Aug-2024 23:24
Surr: 1,2-Dichloroethane-d4	*100*			*70-126*	*%REC*	*1*	*09-Aug-2024 23:24*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*09-Aug-2024 23:24*
Surr: Dibromofluoromethane	*95.9*			*77-123*	*%REC*	*1*	*09-Aug-2024 23:24*
Surr: Toluene-d8	*96.9*			*82-127*	*%REC*	*1*	*09-Aug-2024 23:24*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB02-20240726
Collection Date: 26-Jul-2024 16:45

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 17:55
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2024 17:55
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2024 17:55
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2024 17:55
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 17:55
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2024 17:55
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2024 17:55
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2024 17:55
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	07-Aug-2024 17:55
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2024 17:55
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	07-Aug-2024 17:55
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2024 17:55
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 17:55
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2024 17:55
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2024 17:55
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 17:55
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2024 17:55
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 17:55
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2024 17:55
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	07-Aug-2024 17:55
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2024 17:55
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 17:55
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2024 17:55
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2024 17:55
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 17:55
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2024 17:55
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2024 17:55
Surr: 2,4,6-Tribromophenol	*123*			*34-129*	*%REC*	*1*	*07-Aug-2024 17:55*
Surr: 2-Fluorobiphenyl	*106*			*40-125*	*%REC*	*1*	*07-Aug-2024 17:55*
Surr: 2-Fluorophenol	*115*			*20-120*	*%REC*	*1*	*07-Aug-2024 17:55*
Surr: 4-Terphenyl-d14	*144*	*S*		*40-135*	*%REC*	*1*	*07-Aug-2024 17:55*
Surr: Nitrobenzene-d5	*111*			*41-120*	*%REC*	*1*	*07-Aug-2024 17:55*
Surr: Phenol-d6	*84.5*			*20-120*	*%REC*	*1*	*07-Aug-2024 17:55*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2024		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	31-Jul-2024 23:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071691
Sample ID: WG-1620-MW32AR-20240725
Lab ID:HS24071691-11
Collection Date: 25-Jul-2024 11:00
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:02
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:02
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 05:02
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 05:02
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 05:02
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:02
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:02
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 05:02
Surr: 1,2-Dichloroethane-d4	*76.3*			*70-126*	*%REC*	*1*	*31-Jul-2024 05:02*
Surr: 4-Bromofluorobenzene	*90.6*			*77-113*	*%REC*	*1*	*31-Jul-2024 05:02*
Surr: Dibromofluoromethane	*86.3*			*77-123*	*%REC*	*1*	*31-Jul-2024 05:02*
Surr: Toluene-d8	*91.9*			*82-127*	*%REC*	*1*	*31-Jul-2024 05:02*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32AR-20240725
Collection Date: 25-Jul-2024 11:00

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 31-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 18:40
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2024 18:40
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2024 18:40
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2024 18:40
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 18:40
2-Methylnaphthalene	**0.00015**		**0.000019**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	05-Aug-2024 18:40
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2024 18:40
Acenaphthene	**0.00031**		**0.000027**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2024 18:40
Anthracene	**0.00060**		**0.000014**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Benz(a)anthracene	**0.00012**		**0.000050**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 18:40
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2024 18:40
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2024 18:40
Chrysene	**0.00012**		**0.000021**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2024 18:40
Dibenzofuran	**0.00061**		**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Fluoranthene	**0.00093**		**0.000010**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Fluorene	**0.00056**		**0.000030**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2024 18:40
Naphthalene	**0.0011**		**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2024 18:40
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2024 18:40
Phenanthrene	**0.0019**		**0.000021**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2024 18:40
Pyrene	**0.00068**		**0.000019**	**0.00010**	**mg/L**	1	05-Aug-2024 18:40
Surr: 2,4,6-Tribromophenol	*66.4*			*34-129*	*%REC*	*1*	*05-Aug-2024 18:40*
Surr: 2-Fluorobiphenyl	*54.9*			*40-125*	*%REC*	*1*	*05-Aug-2024 18:40*
Surr: 2-Fluorophenol	*62.2*			*20-120*	*%REC*	*1*	*05-Aug-2024 18:40*
Surr: 4-Terphenyl-d14	*79.7*			*40-135*	*%REC*	*1*	*05-Aug-2024 18:40*
Surr: Nitrobenzene-d5	*53.8*			*41-120*	*%REC*	*1*	*05-Aug-2024 18:40*
Surr: Phenol-d6	*58.3*			*20-120*	*%REC*	*1*	*05-Aug-2024 18:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2024		Analyst: JC
Arsenic	**0.0758**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 23:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32B-20240726
Collection Date: 26-Jul-2024 10:20

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.010	H	0.010	0.050	mg/L	50	10-Aug-2024 12:45
Benzene	**1.5**	H	**0.010**	**0.050**	**mg/L**	50	10-Aug-2024 12:45
Chlorobenzene	< 0.015	H	0.015	0.050	mg/L	50	10-Aug-2024 12:45
Ethylbenzene	**0.30**	H	**0.015**	**0.050**	**mg/L**	50	10-Aug-2024 12:45
Methylene chloride	< 0.050	H	0.050	0.10	mg/L	50	10-Aug-2024 12:45
Toluene	**1.3**	H	**0.010**	**0.050**	**mg/L**	50	10-Aug-2024 12:45
Vinyl chloride	< 0.010	H	0.010	0.050	mg/L	50	10-Aug-2024 12:45
Xylenes, Total	**0.82**	H	**0.015**	**0.15**	**mg/L**	50	10-Aug-2024 12:45
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*50*	*10-Aug-2024 12:45*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*50*	*10-Aug-2024 12:45*
Surr: Dibromofluoromethane	*99.6*			*77-123*	*%REC*	*50*	*10-Aug-2024 12:45*
Surr: Toluene-d8	*96.6*			*82-127*	*%REC*	*50*	*10-Aug-2024 12:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32B-20240726
Collection Date: 26-Jul-2024 10:20

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	05-Aug-2024 21:15
2,4-Dimethylphenol	**4.4**		**0.040**	**0.20**	**mg/L**	1000	08-Aug-2024 02:48
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	05-Aug-2024 21:15
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	05-Aug-2024 21:15
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	05-Aug-2024 21:15
2-Methylnaphthalene	**0.40**		**0.019**	**0.10**	**mg/L**	1000	08-Aug-2024 02:48
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	05-Aug-2024 21:15
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	05-Aug-2024 21:15
Acenaphthene	**0.092**		**0.00027**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Acenaphthylene	**0.0014**		**0.00015**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Anthracene	**0.031**		**0.00014**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Benz(a)anthracene	**0.0046**		**0.00050**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Benzo(a)pyrene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	05-Aug-2024 21:15
Bis(2-ethylhexyl)phthalate	**0.00091**	J	**0.00037**	**0.0020**	**mg/L**	10	05-Aug-2024 21:15
Chrysene	**0.0049**		**0.00021**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	05-Aug-2024 21:15
Dibenzofuran	**0.14**		**0.020**	**0.10**	**mg/L**	1000	08-Aug-2024 02:48
Fluoranthene	**0.036**		**0.00010**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Fluorene	**0.064**		**0.00030**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	05-Aug-2024 21:15
Naphthalene	**5.6**		**0.020**	**0.10**	**mg/L**	1000	08-Aug-2024 02:48
Nitrobenzene	< 0.024		0.024	0.20	mg/L	1000	08-Aug-2024 02:48
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	05-Aug-2024 21:15
Phenanthrene	**0.19**		**0.021**	**0.10**	**mg/L**	1000	08-Aug-2024 02:48
Phenol	**2.2**		**0.035**	**0.20**	**mg/L**	1000	08-Aug-2024 02:48
Pyrene	**0.021**		**0.00019**	**0.0010**	**mg/L**	10	05-Aug-2024 21:15
Surr: 2,4,6-Tribromophenol	*155*	*S*		*34-129*	*%REC*	*10*	*05-Aug-2024 21:15*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*08-Aug-2024 02:48*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*08-Aug-2024 02:48*
Surr: 2-Fluorobiphenyl	*92.1*			*40-125*	*%REC*	*10*	*05-Aug-2024 21:15*
Surr: 2-Fluorophenol	*53.2*			*20-120*	*%REC*	*10*	*05-Aug-2024 21:15*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2024 02:48*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*08-Aug-2024 02:48*
Surr: 4-Terphenyl-d14	*101*			*40-135*	*%REC*	*10*	*05-Aug-2024 21:15*
Surr: Nitrobenzene-d5	*72.1*			*41-120*	*%REC*	*10*	*05-Aug-2024 21:15*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*08-Aug-2024 02:48*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2024 02:48*
Surr: Phenol-d6	*89.2*			*20-120*	*%REC*	*10*	*05-Aug-2024 21:15*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32B-20240726
Collection Date: 26-Jul-2024 10:20

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2024		Analyst: JC
Arsenic	**0.000697**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 23:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68C-20240726
Collection Date: 26-Jul-2024 11:40

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:25
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:25
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 05:25
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 05:25
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 05:25
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:25
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:25
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 05:25
Surr: 1,2-Dichloroethane-d4	*76.9*			*70-126*	*%REC*	*1*	*31-Jul-2024 05:25*
Surr: 4-Bromofluorobenzene	*87.3*			*77-113*	*%REC*	*1*	*31-Jul-2024 05:25*
Surr: Dibromofluoromethane	*89.5*			*77-123*	*%REC*	*1*	*31-Jul-2024 05:25*
Surr: Toluene-d8	*90.2*			*82-127*	*%REC*	*1*	*31-Jul-2024 05:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68C-20240726
Collection Date: 26-Jul-2024 11:40

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 19:04
2,4-Dimethylphenol	**0.000049**	J	**0.000040**	**0.00020**	**mg/L**	1	07-Aug-2024 19:04
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2024 19:04
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2024 19:04
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 19:04
2-Methylnaphthalene	**0.000041**	J	**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2024 19:04
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2024 19:04
Acenaphthene	**0.000055**	J	**0.000027**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2024 19:04
Anthracene	**0.000068**	J	**0.000014**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2024 19:04
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 19:04
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2024 19:04
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2024 19:04
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 19:04
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2024 19:04
Dibenzofuran	**0.000061**	J	**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
Fluoranthene	**0.00013**		**0.000010**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
Fluorene	**0.000079**	J	**0.000030**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2024 19:04
Naphthalene	**0.00017**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2024 19:04
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2024 19:04
Phenanthrene	**0.00031**		**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2024 19:04
Pyrene	**0.000083**	J	**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 19:04
Surr: 2,4,6-Tribromophenol	*109*			*34-129*	*%REC*	*1*	*07-Aug-2024 19:04*
Surr: 2-Fluorobiphenyl	*85.5*			*40-125*	*%REC*	*1*	*07-Aug-2024 19:04*
Surr: 2-Fluorophenol	*71.0*			*20-120*	*%REC*	*1*	*07-Aug-2024 19:04*
Surr: 4-Terphenyl-d14	*97.8*			*40-135*	*%REC*	*1*	*07-Aug-2024 19:04*
Surr: Nitrobenzene-d5	*70.7*			*41-120*	*%REC*	*1*	*07-Aug-2024 19:04*
Surr: Phenol-d6	*79.8*			*20-120*	*%REC*	*1*	*07-Aug-2024 19:04*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2024		Analyst: JC
Arsenic	**0.000608**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 23:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84B-20240726
Collection Date: 26-Jul-2024 13:55

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:48
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:48
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 05:48
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 05:48
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 05:48
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:48
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 05:48
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 05:48
Surr: 1,2-Dichloroethane-d4	*75.0*			*70-126*	*%REC*	*1*	*31-Jul-2024 05:48*
Surr: 4-Bromofluorobenzene	*92.1*			*77-113*	*%REC*	*1*	*31-Jul-2024 05:48*
Surr: Dibromofluoromethane	*86.7*			*77-123*	*%REC*	*1*	*31-Jul-2024 05:48*
Surr: Toluene-d8	*94.4*			*82-127*	*%REC*	*1*	*31-Jul-2024 05:48*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84B-20240726
Collection Date: 26-Jul-2024 13:55

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 22:00
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2024 22:00
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2024 22:00
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2024 22:00
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2024 22:00
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2024 22:00
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	05-Aug-2024 22:00
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2024 22:00
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2024 22:00
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2024 22:00
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2024 22:00
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2024 22:00
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 22:00
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2024 22:00
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2024 22:00
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 22:00
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2024 22:00
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2024 22:00
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2024 22:00
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2024 22:00
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2024 22:00
Naphthalene	**0.00025**		**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2024 22:00
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2024 22:00
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2024 22:00
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2024 22:00
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2024 22:00
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2024 22:00
Surr: 2,4,6-Tribromophenol	*72.7*			*34-129*	*%REC*	*1*	*05-Aug-2024 22:00*
Surr: 2-Fluorobiphenyl	*69.8*			*40-125*	*%REC*	*1*	*05-Aug-2024 22:00*
Surr: 2-Fluorophenol	*49.3*			*20-120*	*%REC*	*1*	*05-Aug-2024 22:00*
Surr: 4-Terphenyl-d14	*80.4*			*40-135*	*%REC*	*1*	*05-Aug-2024 22:00*
Surr: Nitrobenzene-d5	*69.5*			*41-120*	*%REC*	*1*	*05-Aug-2024 22:00*
Surr: Phenol-d6	*56.4*			*20-120*	*%REC*	*1*	*05-Aug-2024 22:00*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2024		Analyst: JC
Arsenic	**0.000786**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 23:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW89B-20240726
Collection Date: 26-Jul-2024 15:15

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 06:11
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 06:11
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 06:11
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	31-Jul-2024 06:11
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	31-Jul-2024 06:11
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 06:11
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	31-Jul-2024 06:11
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	31-Jul-2024 06:11
Surr: 1,2-Dichloroethane-d4	*84.3*			*70-126*	*%REC*	*1*	*31-Jul-2024 06:11*
Surr: 4-Bromofluorobenzene	*96.0*			*77-113*	*%REC*	*1*	*31-Jul-2024 06:11*
Surr: Dibromofluoromethane	*95.4*			*77-123*	*%REC*	*1*	*31-Jul-2024 06:11*
Surr: Toluene-d8	*99.3*			*82-127*	*%REC*	*1*	*31-Jul-2024 06:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW89B-20240726
Collection Date: 26-Jul-2024 15:15

ANALYTICAL REPORT
WorkOrder:HS24071691
Lab ID:HS24071691-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 18:41
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2024 18:41
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2024 18:41
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2024 18:41
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 18:41
2-Methylnaphthalene	**0.00023**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2024 18:41
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2024 18:41
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2024 18:41
Acenaphthene	**0.00016**		**0.000027**	**0.00010**	**mg/L**	1	07-Aug-2024 18:41
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2024 18:41
Anthracene	**0.000042**	J	**0.000014**	**0.00010**	**mg/L**	1	07-Aug-2024 18:41
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2024 18:41
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 18:41
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2024 18:41
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2024 18:41
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 18:41
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2024 18:41
Dibenzofuran	**0.00033**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 18:41
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2024 18:41
Fluorene	**0.00022**		**0.000030**	**0.00010**	**mg/L**	1	07-Aug-2024 18:41
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2024 18:41
Naphthalene	**0.0016**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2024 18:41
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2024 18:41
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2024 18:41
Phenanthrene	**0.00030**		**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2024 18:41
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2024 18:41
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2024 18:41
Surr: 2,4,6-Tribromophenol	*111*			*34-129*	*%REC*	*1*	*07-Aug-2024 18:41*
Surr: 2-Fluorobiphenyl	*89.5*			*40-125*	*%REC*	*1*	*07-Aug-2024 18:41*
Surr: 2-Fluorophenol	*73.8*			*20-120*	*%REC*	*1*	*07-Aug-2024 18:41*
Surr: 4-Terphenyl-d14	*96.5*			*40-135*	*%REC*	*1*	*07-Aug-2024 18:41*
Surr: Nitrobenzene-d5	*74.2*			*41-120*	*%REC*	*1*	*07-Aug-2024 18:41*
Surr: Phenol-d6	*83.6*			*20-120*	*%REC*	*1*	*07-Aug-2024 18:41*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2024		Analyst: JC
Arsenic	**0.00120**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2024 23:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

Batch ID: 215517 **Start Date:** 30 Jul 2024 13:30 **End Date:** 30 Jul 2024 13:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071691-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-08		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215549 **Start Date:** 31 Jul 2024 11:22 **End Date:** 31 Jul 2024 11:22
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071691-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 215576 **Start Date:** 31 Jul 2024 10:00 **End Date:** 31 Jul 2024 10:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071691-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071691-15		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215618 **Start Date:** 01 Aug 2024 13:02 **End Date:** 01 Aug 2024 13:02
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071691-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071691-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215517 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24071691-01	WG-1620-MW75B-20240725	25 Jul 2024 10:30		30 Jul 2024 13:30	31 Jul 2024 00:35	1
HS24071691-02	WG-1620-MW50B-20240725	25 Jul 2024 12:40		30 Jul 2024 13:30	31 Jul 2024 00:37	1
HS24071691-03	WG-1620-MW81B-20240725	25 Jul 2024 13:53		30 Jul 2024 13:30	31 Jul 2024 00:40	1
HS24071691-04	WG-1620-MW51A-20240725	25 Jul 2024 15:30		30 Jul 2024 13:30	31 Jul 2024 00:42	1
HS24071691-05	WG-1620-MW40B-20240726	26 Jul 2024 10:15		30 Jul 2024 13:30	31 Jul 2024 00:45	1
HS24071691-06	WG-1620-MW14-20240726	26 Jul 2024 12:00		30 Jul 2024 13:30	31 Jul 2024 00:47	1
HS24071691-07	WG-1620-MW12A-20240726	26 Jul 2024 13:35		30 Jul 2024 13:30	31 Jul 2024 00:49	1
HS24071691-08	WG-1620-MW12C-20240726	26 Jul 2024 15:08		30 Jul 2024 13:30	31 Jul 2024 00:52	1
Batch ID: 215549 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071691-01	WG-1620-MW75B-20240725	25 Jul 2024 10:30		31 Jul 2024 11:22	06 Aug 2024 23:07	10000
HS24071691-01	WG-1620-MW75B-20240725	25 Jul 2024 10:30		31 Jul 2024 11:22	06 Aug 2024 22:44	1000
HS24071691-01	WG-1620-MW75B-20240725	25 Jul 2024 10:30		31 Jul 2024 11:22	05 Aug 2024 16:49	100
HS24071691-02	WG-1620-MW50B-20240725	25 Jul 2024 12:40		31 Jul 2024 11:22	05 Aug 2024 17:33	1
HS24071691-03	WG-1620-MW81B-20240725	25 Jul 2024 13:53		31 Jul 2024 11:22	07 Aug 2024 18:18	1
HS24071691-04	WG-1620-MW51A-20240725	25 Jul 2024 15:30		31 Jul 2024 11:22	05 Aug 2024 18:18	1
HS24071691-11	WG-1620-MW32AR-20240725	25 Jul 2024 11:00		31 Jul 2024 11:22	05 Aug 2024 18:40	1
Batch ID: 215576 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24071691-09	WG-1620-MW39B-20240726	26 Jul 2024 16:35		31 Jul 2024 10:00	31 Jul 2024 23:14	1
HS24071691-10	WG-1620-FB02-20240726	26 Jul 2024 16:45		31 Jul 2024 10:00	31 Jul 2024 23:16	1
HS24071691-11	WG-1620-MW32AR-20240725	25 Jul 2024 11:00		31 Jul 2024 10:00	31 Jul 2024 23:18	1
HS24071691-12	WG-1620-MW32B-20240726	26 Jul 2024 10:20		31 Jul 2024 10:00	31 Jul 2024 23:20	1
HS24071691-13	WG-1620-MW68C-20240726	26 Jul 2024 11:40		31 Jul 2024 10:00	31 Jul 2024 23:22	1
HS24071691-14	WG-1620-MW84B-20240726	26 Jul 2024 13:55		31 Jul 2024 10:00	31 Jul 2024 23:24	1
HS24071691-15	WG-1620-MW89B-20240726	26 Jul 2024 15:15		31 Jul 2024 10:00	31 Jul 2024 23:26	1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215618 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071691-05	WG-1620-MW40B-20240726	26 Jul 2024 10:15		01 Aug 2024 13:02	06 Aug 2024 23:53	10000
HS24071691-05	WG-1620-MW40B-20240726	26 Jul 2024 10:15		01 Aug 2024 13:02	06 Aug 2024 23:30	10
HS24071691-05	WG-1620-MW40B-20240726	26 Jul 2024 10:15		01 Aug 2024 13:02	05 Aug 2024 19:02	1
HS24071691-06	WG-1620-MW14-20240726	26 Jul 2024 12:00		01 Aug 2024 13:02	05 Aug 2024 19:24	1
HS24071691-07	WG-1620-MW12A-20240726	26 Jul 2024 13:35		01 Aug 2024 13:02	08 Aug 2024 03:11	10
HS24071691-07	WG-1620-MW12A-20240726	26 Jul 2024 13:35		01 Aug 2024 13:02	07 Aug 2024 19:50	100
HS24071691-07	WG-1620-MW12A-20240726	26 Jul 2024 13:35		01 Aug 2024 13:02	05 Aug 2024 19:46	1
HS24071691-08	WG-1620-MW12C-20240726	26 Jul 2024 15:08		01 Aug 2024 13:02	07 Aug 2024 19:27	1
HS24071691-09	WG-1620-MW39B-20240726	26 Jul 2024 16:35		01 Aug 2024 13:02	07 Aug 2024 01:02	10
HS24071691-09	WG-1620-MW39B-20240726	26 Jul 2024 16:35		01 Aug 2024 13:02	07 Aug 2024 00:39	1
HS24071691-10	WG-1620-FB02-20240726	26 Jul 2024 16:45		01 Aug 2024 13:02	07 Aug 2024 17:55	1
HS24071691-12	WG-1620-MW32B-20240726	26 Jul 2024 10:20		01 Aug 2024 13:02	08 Aug 2024 02:48	1000
HS24071691-12	WG-1620-MW32B-20240726	26 Jul 2024 10:20		01 Aug 2024 13:02	05 Aug 2024 21:15	10
HS24071691-13	WG-1620-MW68C-20240726	26 Jul 2024 11:40		01 Aug 2024 13:02	07 Aug 2024 19:04	1
HS24071691-14	WG-1620-MW84B-20240726	26 Jul 2024 13:55		01 Aug 2024 13:02	05 Aug 2024 22:00	1
HS24071691-15	WG-1620-MW89B-20240726	26 Jul 2024 15:15		01 Aug 2024 13:02	07 Aug 2024 18:41	1
Batch ID: R473418 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071691-02	WG-1620-MW50B-20240725	25 Jul 2024 12:40			31 Jul 2024 03:08	1
HS24071691-03	WG-1620-MW81B-20240725	25 Jul 2024 13:53			31 Jul 2024 03:31	1
HS24071691-04	WG-1620-MW51A-20240725	25 Jul 2024 15:30			31 Jul 2024 03:53	1
HS24071691-08	WG-1620-MW12C-20240726	26 Jul 2024 15:08			31 Jul 2024 04:16	1
HS24071691-09	WG-1620-MW39B-20240726	26 Jul 2024 16:35			31 Jul 2024 04:39	1
HS24071691-11	WG-1620-MW32AR-20240725	25 Jul 2024 11:00			31 Jul 2024 05:02	1
HS24071691-13	WG-1620-MW68C-20240726	26 Jul 2024 11:40			31 Jul 2024 05:25	1
HS24071691-14	WG-1620-MW84B-20240726	26 Jul 2024 13:55			31 Jul 2024 05:48	1
HS24071691-15	WG-1620-MW89B-20240726	26 Jul 2024 15:15			31 Jul 2024 06:11	1
Batch ID: R473540 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071691-01	WG-1620-MW75B-20240725	25 Jul 2024 10:30			02 Aug 2024 05:51	50
HS24071691-05	WG-1620-MW40B-20240726	26 Jul 2024 10:15			02 Aug 2024 06:14	50
Batch ID: R473630 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071691-06	WG-1620-MW14-20240726	26 Jul 2024 12:00			02 Aug 2024 19:40	1
HS24071691-07	WG-1620-MW12A-20240726	26 Jul 2024 13:35			02 Aug 2024 20:03	1
Batch ID: R474187 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071691-10	WG-1620-FB02-20240726	26 Jul 2024 16:45			09 Aug 2024 23:24	1
Batch ID: R474217 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071691-12	WG-1620-MW32B-20240726	26 Jul 2024 10:20			10 Aug 2024 12:45	50

WorkOrder: HS24071691
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00168	0.000400	0.00200

WorkOrder: HS24071691
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.000983	0.000400	0.00200

WorkOrder: HS24071691
InstrumentID: SV-7
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000097	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000074	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000099	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00010	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00010	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00025	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000047	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00010	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00010	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00013	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00011	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00011	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000065	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00012	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00012	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00011	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00011	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000092	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00011	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000089	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.000020	0.000027	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00012	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00013	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071691
InstrumentID: SV-8
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000055	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000047	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000044	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000045	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000061	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000060	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00035	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000046	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.00014	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.00014	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.00014	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.00014	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.00012	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000059	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000048	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.00016	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000055	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.00014	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.00014	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000056	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.00014	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000069	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000050	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.00014	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000061	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.00014	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071691
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00047	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00049	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00041	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00050	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00047	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00046	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0014	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

WorkOrder: HS24071691
InstrumentID: VOA4
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.0011	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00057	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00056	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00016	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.0019	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00059	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0016	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215517 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215517** Units: **mg/L** Analysis Date: **30-Jul-2024 23:37**
Client ID: Run ID: **ICPMS05_473203** SeqNo: **8166993** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215517** Units: **mg/L** Analysis Date: **30-Jul-2024 23:39**
Client ID: Run ID: **ICPMS05_473203** SeqNo: **8166994** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0495	0.00200	0.05	0	99.0	80 - 120				

MS Sample ID: **HS24071599-02MS** Units: **mg/L** Analysis Date: **30-Jul-2024 23:51**
Client ID: Run ID: **ICPMS05_473203** SeqNo: **8166999** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04899	0.00200	0.05	0.000101	97.8	80 - 120				

MSD Sample ID: **HS24071599-02MSD** Units: **mg/L** Analysis Date: **30-Jul-2024 23:53**
Client ID: Run ID: **ICPMS05_473203** SeqNo: **8167000** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05082	0.00200	0.05	0.000101	101	80 - 120	0.04899	3.67	20	

PDS Sample ID: **HS24071599-02PDS** Units: **mg/L** Analysis Date: **30-Jul-2024 23:55**
Client ID: Run ID: **ICPMS05_473203** SeqNo: **8167001** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0981	0.00200	0.1	0.000101	98.0	75 - 125				

SD Sample ID: **HS24071599-02SD** Units: **mg/L** Analysis Date: **30-Jul-2024 23:48**
Client ID: Run ID: **ICPMS05_473203** SeqNo: **8166998** PrepDate: **30-Jul-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.000101	0	10	

The following samples were analyzed in this batch:

HS24071691-01	HS24071691-02	HS24071691-03	HS24071691-04
HS24071691-05	HS24071691-06	HS24071691-07	HS24071691-08

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215576 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215576** Units: **mg/L** Analysis Date: **31-Jul-2024 22:28**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8169329** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215576** Units: **mg/L** Analysis Date: **31-Jul-2024 22:30**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8169330** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04359	0.00200	0.05	0	87.2	80 - 120				

MS Sample ID: **HS24071421-01MS** Units: **mg/L** Analysis Date: **31-Jul-2024 22:36**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8169333** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04717	0.00200	0.05	0.001127	92.1	80 - 120				

MSD Sample ID: **HS24071421-01MSD** Units: **mg/L** Analysis Date: **31-Jul-2024 22:38**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8169334** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04854	0.00200	0.05	0.001127	94.8	80 - 120	0.04717	2.86	20	

PDS Sample ID: **HS24071421-01PDS** Units: **mg/L** Analysis Date: **31-Jul-2024 22:40**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8169335** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09895	0.00200	0.1	0.001127	97.8	75 - 125				

SD Sample ID: **HS24071421-01SD** Units: **mg/L** Analysis Date: **31-Jul-2024 22:34**
Client ID: Run ID: **ICPMS06_473315** SeqNo: **8169332** PrepDate: **31-Jul-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.001127	0	10	

The following samples were analyzed in this batch:

HS24071691-09	HS24071691-10	HS24071691-11	HS24071691-12
HS24071691-13	HS24071691-14	HS24071691-15	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215549 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215549** Units: **ug/L** Analysis Date: **01-Aug-2024 15:28**
Client ID: Run ID: **SV-7_473554** SeqNo: **8173139** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*2.781*	*0.20*	*5*	*0*	*55.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.758*	*0.20*	*5*	*0*	*75.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.518*	*0.20*	*5*	*0*	*70.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.251*	*0.20*	*5*	*0*	*85.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.138*	*0.20*	*5*	*0*	*62.8*	*41 - 120*				
Surr: Phenol-d6	*3.275*	*0.20*	*5*	*0*	*65.5*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215549 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215549** Units: **ug/L** Analysis Date: **01-Aug-2024 15:51**
Client ID: Run ID: **SV-7_473554** SeqNo: **8173228** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.511	0.20	5	0	90.2	39 - 127				
2,4-Dimethylphenol	3.545	0.20	5	0	70.9	35 - 120				
2,4-Dinitrotoluene	4.065	0.20	5	0	81.3	50 - 122				
2,6-Dinitrotoluene	4.052	0.20	5	0	81.0	50 - 120				
2-Chloronaphthalene	4.475	0.20	5	0	89.5	50 - 120				
2-Methylnaphthalene	3.892	0.10	5	0	77.8	50 - 120				
4,6-Dinitro-2-methylphenol	1.795	1.0	5	0	35.9	25 - 121				
4-Nitrophenol	4.084	1.0	5	0	81.7	30 - 130				
Acenaphthene	3.809	0.10	5	0	76.2	45 - 120				
Acenaphthylene	3.84	0.10	5	0	76.8	47 - 120				
Anthracene	3.732	0.10	5	0	74.6	45 - 120				
Benz(a)anthracene	3.632	0.10	5	0	72.6	40 - 120				
Benzo(a)pyrene	4.011	0.10	5	0	80.2	45 - 120				
Bis(2-chloroethoxy)methane	4.236	0.20	5	0	84.7	45 - 120				
Bis(2-ethylhexyl)phthalate	3.774	0.20	5	0	75.5	40 - 139				
Chrysene	3.719	0.10	5	0	74.4	43 - 120				
Dibenzofuran	4.029	0.10	5	0	80.6	50 - 120				
Di-n-butyl phthalate	3.714	0.20	5	0	74.3	45 - 123				
Fluoranthene	3.835	0.10	5	0	76.7	45 - 125				
Fluorene	4.25	0.10	5	0	85.0	49 - 120				
Naphthalene	3.591	0.10	5	0	71.8	45 - 120				
Nitrobenzene	4.145	0.20	5	0	82.9	44 - 120				
N-Nitrosodiphenylamine	3.762	0.20	5	0	75.2	40 - 125				
Pentachlorophenol	2.341	0.20	5	0	46.8	19 - 121				
Phenanthrene	3.808	0.10	5	0	76.2	45 - 121				
Phenol	4.197	0.20	5	0	83.9	20 - 124				
Pyrene	3.533	0.10	5	0	70.7	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.678*	*0.20*	*5*	*0*	*93.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.259*	*0.20*	*5*	*0*	*85.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.809*	*0.20*	*5*	*0*	*76.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.718*	*0.20*	*5*	*0*	*74.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.216*	*0.20*	*5*	*0*	*84.3*	*41 - 120*				
Surr: Phenol-d6	*3.993*	*0.20*	*5*	*0*	*79.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215549 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215549** Units: **ug/L** Analysis Date: **01-Aug-2024 16:15**
Client ID: Run ID: **SV-7_473554** SeqNo: **8173229** PrepDate: **31-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.476	0.20	5	0	89.5	39 - 127	4.511	0.791	20	
2,4-Dimethylphenol	3.538	0.20	5	0	70.8	35 - 120	3.545	0.207	20	
2,4-Dinitrotoluene	4.051	0.20	5	0	81.0	50 - 122	4.065	0.341	20	
2,6-Dinitrotoluene	4.038	0.20	5	0	80.8	50 - 120	4.052	0.349	20	
2-Chloronaphthalene	3.768	0.20	5	0	75.4	50 - 120	4.475	17.2	20	
2-Methylnaphthalene	3.971	0.10	5	0	79.4	50 - 120	3.892	2	20	
4,6-Dinitro-2-methylphenol	1.848	1.0	5	0	37.0	25 - 121	1.795	2.92	30	
4-Nitrophenol	3.88	1.0	5	0	77.6	30 - 130	4.084	5.13	20	
Acenaphthene	3.875	0.10	5	0	77.5	45 - 120	3.809	1.72	20	
Acenaphthylene	3.795	0.10	5	0	75.9	47 - 120	3.84	1.17	20	
Anthracene	3.971	0.10	5	0	79.4	45 - 120	3.732	6.2	20	
Benz(a)anthracene	3.488	0.10	5	0	69.8	40 - 120	3.632	4.04	20	
Benzo(a)pyrene	3.874	0.10	5	0	77.5	45 - 120	4.011	3.47	20	
Bis(2-chloroethoxy)methane	4.028	0.20	5	0	80.6	45 - 120	4.236	5.05	20	
Bis(2-ethylhexyl)phthalate	3.591	0.20	5	0	71.8	40 - 139	3.774	4.98	20	
Chrysene	3.485	0.10	5	0	69.7	43 - 120	3.719	6.51	20	
Dibenzofuran	3.948	0.10	5	0	79.0	50 - 120	4.029	2.03	20	
Di-n-butyl phthalate	3.674	0.20	5	0	73.5	45 - 123	3.714	1.08	20	
Fluoranthene	3.742	0.10	5	0	74.8	45 - 125	3.835	2.46	20	
Fluorene	4.182	0.10	5	0	83.6	49 - 120	4.25	1.61	20	
Naphthalene	3.584	0.10	5	0	71.7	45 - 120	3.591	0.21	20	
Nitrobenzene	4.058	0.20	5	0	81.2	44 - 120	4.145	2.11	20	
N-Nitrosodiphenylamine	3.935	0.20	5	0	78.7	40 - 125	3.762	4.48	20	
Pentachlorophenol	2.264	0.20	5	0	45.3	19 - 121	2.341	3.36	20	
Phenanthrene	3.799	0.10	5	0	76.0	45 - 121	3.808	0.226	20	
Phenol	4.088	0.20	5	0	81.8	20 - 124	4.197	2.63	20	
Pyrene	3.524	0.10	5	0	70.5	40 - 130	3.533	0.254	20	
Surr: 2,4,6-Tribromophenol	*4.279*	*0.20*	*5*	*0*	*85.6*	*34 - 129*	*4.678*	*8.91*	*20*	
Surr: 2-Fluorobiphenyl	*4.093*	*0.20*	*5*	*0*	*81.9*	*40 - 125*	*4.259*	*3.97*	*20*	
Surr: 2-Fluorophenol	*3.548*	*0.20*	*5*	*0*	*71.0*	*20 - 120*	*3.809*	*7.1*	*20*	
Surr: 4-Terphenyl-d14	*3.802*	*0.20*	*5*	*0*	*76.0*	*40 - 135*	*3.718*	*2.23*	*20*	
Surr: Nitrobenzene-d5	*4.128*	*0.20*	*5*	*0*	*82.6*	*41 - 120*	*4.216*	*2.1*	*20*	
Surr: Phenol-d6	*3.967*	*0.20*	*5*	*0*	*79.3*	*20 - 120*	*3.993*	*0.656*	*20*	

The following samples were analyzed in this batch: HS24071691-01 HS24071691-02 HS24071691-03 HS24071691-04 HS24071691-11

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215618 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215618** Units: **ug/L** Analysis Date: **03-Aug-2024 11:56**
Client ID: Run ID: **SV-7_473673** SeqNo: **8175987** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.171*	*0.20*	*5*	*0*	*63.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.977*	*0.20*	*5*	*0*	*79.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.672*	*0.20*	*5*	*0*	*73.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.955*	*0.20*	*5*	*0*	*99.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*5.322*	*0.20*	*5*	*0*	*106*	*41 - 120*				
Surr: Phenol-d6	*3.076*	*0.20*	*5*	*0*	*61.5*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215618 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215618** Units: **ug/L** Analysis Date: **03-Aug-2024 12:18**
Client ID: Run ID: **SV-7_473673** SeqNo: **8175988** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	5.012	0.20	5	0	100	39 - 127				
2,4-Dimethylphenol	3.361	0.20	5	0	67.2	35 - 120				
2,4-Dinitrotoluene	4.252	0.20	5	0	85.0	50 - 122				
2,6-Dinitrotoluene	4.277	0.20	5	0	85.5	50 - 120				
2-Chloronaphthalene	3.891	0.20	5	0	77.8	50 - 120				
2-Methylnaphthalene	4.087	0.10	5	0	81.7	50 - 120				
4,6-Dinitro-2-methylphenol	2.749	1.0	5	0	55.0	25 - 121				
4-Nitrophenol	4.79	1.0	5	0	95.8	30 - 130				
Acenaphthene	3.681	0.10	5	0	73.6	45 - 120				
Acenaphthylene	3.803	0.10	5	0	76.1	47 - 120				
Anthracene	3.54	0.10	5	0	70.8	45 - 120				
Benz(a)anthracene	3.521	0.10	5	0	70.4	40 - 120				
Benzo(a)pyrene	3.963	0.10	5	0	79.3	45 - 120				
Bis(2-chloroethoxy)methane	4.151	0.20	5	0	83.0	45 - 120				
Bis(2-ethylhexyl)phthalate	3.616	0.20	5	0	72.3	40 - 139				
Chrysene	3.753	0.10	5	0	75.1	43 - 120				
Dibenzofuran	3.926	0.10	5	0	78.5	50 - 120				
Di-n-butyl phthalate	3.76	0.20	5	0	75.2	45 - 123				
Fluoranthene	3.952	0.10	5	0	79.0	45 - 125				
Fluorene	3.958	0.10	5	0	79.2	49 - 120				
Naphthalene	3.623	0.10	5	0	72.5	45 - 120				
Nitrobenzene	4.396	0.20	5	0	87.9	44 - 120				
N-Nitrosodiphenylamine	3.71	0.20	5	0	74.2	40 - 125				
Pentachlorophenol	3.048	0.20	5	0	61.0	19 - 121				
Phenanthrene	3.721	0.10	5	0	74.4	45 - 121				
Phenol	4.3	0.20	5	0	86.0	20 - 124				
Pyrene	3.547	0.10	5	0	70.9	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.849*	*0.20*	*5*	*0*	*117*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.04*	*0.20*	*5*	*0*	*80.8*	*40 - 125*				
Surr: 2-Fluorophenol	*3.342*	*0.20*	*5*	*0*	*66.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.786*	*0.20*	*5*	*0*	*75.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.17*	*0.20*	*5*	*0*	*83.4*	*41 - 120*				
Surr: Phenol-d6	*4.19*	*0.20*	*5*	*0*	*83.8*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215618 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215618** Units: **ug/L** Analysis Date: **03-Aug-2024 12:40**
Client ID: Run ID: **SV-7_473673** SeqNo: **8175989** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.91	0.20	5	0	98.2	39 - 127	5.012	2.07	20	
2,4-Dimethylphenol	3.459	0.20	5	0	69.2	35 - 120	3.361	2.88	20	
2,4-Dinitrotoluene	4.251	0.20	5	0	85.0	50 - 122	4.252	0.0177	20	
2,6-Dinitrotoluene	4.268	0.20	5	0	85.4	50 - 120	4.277	0.211	20	
2-Chloronaphthalene	3.782	0.20	5	0	75.6	50 - 120	3.891	2.85	20	
2-Methylnaphthalene	3.976	0.10	5	0	79.5	50 - 120	4.087	2.76	20	
4,6-Dinitro-2-methylphenol	2.763	1.0	5	0	55.3	25 - 121	2.749	0.512	30	
4-Nitrophenol	4.718	1.0	5	0	94.4	30 - 130	4.79	1.52	20	
Acenaphthene	3.593	0.10	5	0	71.9	45 - 120	3.681	2.41	20	
Acenaphthylene	3.757	0.10	5	0	75.1	47 - 120	3.803	1.21	20	
Anthracene	4.053	0.10	5	0	81.1	45 - 120	3.54	13.5	20	
Benz(a)anthracene	3.525	0.10	5	0	70.5	40 - 120	3.521	0.111	20	
Benzo(a)pyrene	3.849	0.10	5	0	77.0	45 - 120	3.963	2.91	20	
Bis(2-chloroethoxy)methane	4.168	0.20	5	0	83.4	45 - 120	4.151	0.4	20	
Bis(2-ethylhexyl)phthalate	3.615	0.20	5	0	72.3	40 - 139	3.616	0.0272	20	
Chrysene	3.899	0.10	5	0	78.0	43 - 120	3.753	3.84	20	
Dibenzofuran	3.894	0.10	5	0	77.9	50 - 120	3.926	0.811	20	
Di-n-butyl phthalate	3.828	0.20	5	0	76.6	45 - 123	3.76	1.8	20	
Fluoranthene	3.964	0.10	5	0	79.3	45 - 125	3.952	0.321	20	
Fluorene	3.949	0.10	5	0	79.0	49 - 120	3.958	0.233	20	
Naphthalene	3.638	0.10	5	0	72.8	45 - 120	3.623	0.424	20	
Nitrobenzene	4.426	0.20	5	0	88.5	44 - 120	4.396	0.683	20	
N-Nitrosodiphenylamine	3.917	0.20	5	0	78.3	40 - 125	3.71	5.42	20	
Pentachlorophenol	2.991	0.20	5	0	59.8	19 - 121	3.048	1.9	20	
Phenanthrene	3.772	0.10	5	0	75.4	45 - 121	3.721	1.37	20	
Phenol	4.676	0.20	5	0	93.5	20 - 124	4.3	8.37	20	
Pyrene	3.523	0.10	5	0	70.5	40 - 130	3.547	0.692	20	
Surr: 2,4,6-Tribromophenol	*5.847*	*0.20*	*5*	*0*	*117*	*34 - 129*	*5.849*	*0.0317*	*20*	
Surr: 2-Fluorobiphenyl	*4.001*	*0.20*	*5*	*0*	*80.0*	*40 - 125*	*4.04*	*0.983*	*20*	
Surr: 2-Fluorophenol	*3.273*	*0.20*	*5*	*0*	*65.5*	*20 - 120*	*3.342*	*2.08*	*20*	
Surr: 4-Terphenyl-d14	*3.808*	*0.20*	*5*	*0*	*76.2*	*40 - 135*	*3.786*	*0.586*	*20*	
Surr: Nitrobenzene-d5	*4.236*	*0.20*	*5*	*0*	*84.7*	*41 - 120*	*4.17*	*1.56*	*20*	
Surr: Phenol-d6	*4.264*	*0.20*	*5*	*0*	*85.3*	*20 - 120*	*4.19*	*1.75*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: 215618 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24071691-05	HS24071691-06	HS24071691-07	HS24071691-08
HS24071691-09	HS24071691-10	HS24071691-12	HS24071691-13
HS24071691-14	HS24071691-15		

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473418 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240730** Units: **ug/L** Analysis Date: **30-Jul-2024 23:16**
Client ID: Run ID: **VOA7_473418** SeqNo: **8169981** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*40.73*	*1.0*	*50*	*0*	*81.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.43*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*47.18*	*1.0*	*50*	*0*	*94.4*	*73 - 126*				
Surr: Toluene-d8	*51.71*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-240730** Units: **ug/L** Analysis Date: **30-Jul-2024 22:08**
Client ID: Run ID: **VOA7_473418** SeqNo: **8169979** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.41	1.0	20	0	92.0	70 - 124				
Benzene	19.59	1.0	20	0	97.9	74 - 120				
Chlorobenzene	20.73	1.0	20	0	104	76 - 113				
Ethylbenzene	20.83	1.0	20	0	104	77 - 117				
Methylene chloride	16.56	2.0	20	0	82.8	70 - 127				
Toluene	19.64	1.0	20	0	98.2	77 - 118				
Vinyl chloride	17.69	1.0	20	0	88.4	70 - 130				
Xylenes, Total	61.13	3.0	60	0	102	75 - 122				
Surr: 1,2-Dichloroethane-d4	*37.78*	*1.0*	*50*	*0*	*75.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*46.84*	*1.0*	*50*	*0*	*93.7*	*77 - 113*				
Surr: Dibromofluoromethane	*43.33*	*1.0*	*50*	*0*	*86.7*	*73 - 126*				
Surr: Toluene-d8	*47.98*	*1.0*	*50*	*0*	*96.0*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473418 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240730** Units: **ug/L** Analysis Date: **30-Jul-2024 22:31**
Client ID: Run ID: **VOA7_473418** SeqNo: **8169980** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	18.69	1.0	20	0	93.4	70 - 124	18.41	1.51	20	
Benzene	19.57	1.0	20	0	97.8	74 - 120	19.59	0.0952	20	
Chlorobenzene	20.95	1.0	20	0	105	76 - 113	20.73	1.04	20	
Ethylbenzene	21.5	1.0	20	0	108	77 - 117	20.83	3.16	20	
Methylene chloride	17.96	2.0	20	0	89.8	70 - 127	16.56	8.09	20	
Toluene	19.4	1.0	20	0	97.0	77 - 118	19.64	1.22	20	
Vinyl chloride	19.49	1.0	20	0	97.5	70 - 130	17.69	9.73	20	
Xylenes, Total	62.35	3.0	60	0	104	75 - 122	61.13	1.97	20	
Surr: 1,2-Dichloroethane-d4	*39.73*	*1.0*	*50*	*0*	*79.5*	*70 - 123*	*37.78*	*5.05*	*20*	
Surr: 4-Bromofluorobenzene	*46.54*	*1.0*	*50*	*0*	*93.1*	*77 - 113*	*46.84*	*0.641*	*20*	
Surr: Dibromofluoromethane	*45.47*	*1.0*	*50*	*0*	*90.9*	*73 - 126*	*43.33*	*4.82*	*20*	
Surr: Toluene-d8	*45.84*	*1.0*	*50*	*0*	*91.7*	*81 - 120*	*47.98*	*4.57*	*20*	

MS Sample ID: **HS24071691-02MS** Units: **ug/L** Analysis Date: **31-Jul-2024 07:20**
Client ID: **WG-1620-MW50B-20240725** Run ID: **VOA7_473418** SeqNo: **8170002** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	15.97	1.0	20	0	79.9	70 - 127				
Benzene	18.17	1.0	20	0	90.8	70 - 127				
Chlorobenzene	18.67	1.0	20	0	93.4	70 - 114				
Ethylbenzene	18.99	1.0	20	0	95.0	70 - 124				
Methylene chloride	14.58	2.0	20	0	72.9	70 - 128				
Toluene	18.09	1.0	20	0	90.4	70 - 123				
Vinyl chloride	14.33	1.0	20	0	71.7	70 - 130				
Xylenes, Total	56.17	3.0	60	0	93.6	70 - 130				
Surr: 1,2-Dichloroethane-d4	*38.23*	*1.0*	*50*	*0*	*76.5*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*46.46*	*1.0*	*50*	*0*	*92.9*	*77 - 113*				
Surr: Dibromofluoromethane	*43.45*	*1.0*	*50*	*0*	*86.9*	*77 - 123*				
Surr: Toluene-d8	*46.45*	*1.0*	*50*	*0*	*92.9*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473418 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24071691-02MSD** Units: **ug/L** Analysis Date: **31-Jul-2024 07:43**
Client ID: **WG-1620-MW50B-20240725** Run ID: **VOA7_473418** SeqNo: **8170003** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	16.14	1.0	20	0	80.7	70 - 127	15.97	1.08	20	
Benzene	17.69	1.0	20	0	88.4	70 - 127	18.17	2.67	20	
Chlorobenzene	18.59	1.0	20	0	92.9	70 - 114	18.67	0.467	20	
Ethylbenzene	19.49	1.0	20	0	97.4	70 - 124	18.99	2.57	20	
Methylene chloride	15.56	2.0	20	0	77.8	70 - 128	14.58	6.5	20	
Toluene	17.5	1.0	20	0	87.5	70 - 123	18.09	3.3	20	
Vinyl chloride	14.79	1.0	20	0	73.9	70 - 130	14.33	3.11	20	
Xylenes, Total	56.5	3.0	60	0	94.2	70 - 130	56.17	0.581	20	
Surr: 1,2-Dichloroethane-d4	*39.24*	*1.0*	*50*	*0*	*78.5*	*70 - 126*	*38.23*	*2.61*	*20*	
Surr: 4-Bromofluorobenzene	*45.13*	*1.0*	*50*	*0*	*90.3*	*77 - 113*	*46.46*	*2.9*	*20*	
Surr: Dibromofluoromethane	*44.65*	*1.0*	*50*	*0*	*89.3*	*77 - 123*	*43.45*	*2.73*	*20*	
Surr: Toluene-d8	*45.23*	*1.0*	*50*	*0*	*90.5*	*82 - 127*	*46.45*	*2.66*	*20*	

The following samples were analyzed in this batch: HS24071691-02 HS24071691-03 HS24071691-04 HS24071691-08 HS24071691-09 HS24071691-11 HS24071691-13 HS24071691-14 HS24071691-15

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473540 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240801** Units: **ug/L** Analysis Date: **01-Aug-2024 22:36**
Client ID: Run ID: **VOA7_473540** SeqNo: **8172459** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*35.03*	*1.0*	*50*	*0*	*70.1*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*42.16*	*1.0*	*50*	*0*	*84.3*	*77 - 113*				
Surr: Dibromofluoromethane	*41.18*	*1.0*	*50*	*0*	*82.4*	*73 - 126*				
Surr: Toluene-d8	*45.84*	*1.0*	*50*	*0*	*91.7*	*81 - 120*				

LCS Sample ID: **VLCSW-240801** Units: **ug/L** Analysis Date: **01-Aug-2024 21:27**
Client ID: Run ID: **VOA7_473540** SeqNo: **8172457** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.78	1.0	20	0	88.9	70 - 124				
Benzene	19.53	1.0	20	0	97.7	74 - 120				
Chlorobenzene	20.95	1.0	20	0	105	76 - 113				
Ethylbenzene	21.81	1.0	20	0	109	77 - 117				
Methylene chloride	17.88	2.0	20	0	89.4	70 - 127				
Toluene	19.38	1.0	20	0	96.9	77 - 118				
Vinyl chloride	20.04	1.0	20	0	100	70 - 130				
Xylenes, Total	64.55	3.0	60	0	108	75 - 122				
Surr: 1,2-Dichloroethane-d4	*37.73*	*1.0*	*50*	*0*	*75.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*47.05*	*1.0*	*50*	*0*	*94.1*	*77 - 113*				
Surr: Dibromofluoromethane	*46.15*	*1.0*	*50*	*0*	*92.3*	*73 - 126*				
Surr: Toluene-d8	*45.71*	*1.0*	*50*	*0*	*91.4*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473540 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS24071783-27MS** Units: **ug/L** Analysis Date: **02-Aug-2024 06:37**
Client ID: Run ID: **VOA7_473540** SeqNo: **8172480** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	15.81	1.0	20	0	79.0	70 - 127				
Benzene	17.37	1.0	20	0	86.8	70 - 127				
Chlorobenzene	18.22	1.0	20	0	91.1	70 - 114				
Ethylbenzene	18.2	1.0	20	0	91.0	70 - 124				
Methylene chloride	14.14	2.0	20	0	70.7	70 - 128				
Toluene	16.72	1.0	20	0	83.6	70 - 123				
Vinyl chloride	13.82	1.0	20	0	69.1	70 - 130				S
Xylenes, Total	53.85	3.0	60	0	89.8	70 - 130				
Surr: 1,2-Dichloroethane-d4	*40.82*	*1.0*	*50*	*0*	*81.6*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.41*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*47.54*	*1.0*	*50*	*0*	*95.1*	*77 - 123*				
Surr: Toluene-d8	*48.95*	*1.0*	*50*	*0*	*97.9*	*82 - 127*				

MSD Sample ID: **HS24071783-27MSD** Units: **ug/L** Analysis Date: **02-Aug-2024 07:00**
Client ID: Run ID: **VOA7_473540** SeqNo: **8172481** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	15.96	1.0	20	0	79.8	70 - 127	15.81	0.934	20	
Benzene	17.38	1.0	20	0	86.9	70 - 127	17.37	0.0487	20	
Chlorobenzene	18.51	1.0	20	0	92.5	70 - 114	18.22	1.54	20	
Ethylbenzene	18.78	1.0	20	0	93.9	70 - 124	18.2	3.15	20	
Methylene chloride	14.86	2.0	20	0	74.3	70 - 128	14.14	5.01	20	
Toluene	16.69	1.0	20	0	83.4	70 - 123	16.72	0.185	20	
Vinyl chloride	13.81	1.0	20	0	69.0	70 - 130	13.82	0.078	20	S
Xylenes, Total	55.65	3.0	60	0	92.7	70 - 130	53.85	3.29	20	
Surr: 1,2-Dichloroethane-d4	*37.21*	*1.0*	*50*	*0*	*74.4*	*70 - 126*	*40.82*	*9.25*	*20*	
Surr: 4-Bromofluorobenzene	*45.75*	*1.0*	*50*	*0*	*91.5*	*77 - 113*	*50.41*	*9.7*	*20*	
Surr: Dibromofluoromethane	*44.79*	*1.0*	*50*	*0*	*89.6*	*77 - 123*	*47.54*	*5.95*	*20*	
Surr: Toluene-d8	*46.19*	*1.0*	*50*	*0*	*92.4*	*82 - 127*	*48.95*	*5.8*	*20*	

The following samples were analyzed in this batch: HS24071691-01 HS24071691-05

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473630 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240802** Units: **ug/L** Analysis Date: **02-Aug-2024 11:20**
Client ID: Run ID: **VOA7_473630** SeqNo: **8174352** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*35.97*	*1.0*	*50*	*0*	*71.9*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*44.49*	*1.0*	*50*	*0*	*89.0*	*77 - 113*				
Surr: Dibromofluoromethane	*44.78*	*1.0*	*50*	*0*	*89.6*	*73 - 126*				
Surr: Toluene-d8	*46.57*	*1.0*	*50*	*0*	*93.1*	*81 - 120*				

LCS Sample ID: **VLCSW-240802** Units: **ug/L** Analysis Date: **02-Aug-2024 10:11**
Client ID: Run ID: **VOA7_473630** SeqNo: **8174350** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.44	1.0	20	0	87.2	70 - 124				
Benzene	20.06	1.0	20	0	100	74 - 120				
Chlorobenzene	20.99	1.0	20	0	105	76 - 113				
Ethylbenzene	21.68	1.0	20	0	108	77 - 117				
Methylene chloride	18.76	2.0	20	0	93.8	70 - 127				
Toluene	18.99	1.0	20	0	95.0	77 - 118				
Vinyl chloride	19.74	1.0	20	0	98.7	70 - 130				
Xylenes, Total	64.19	3.0	60	0	107	75 - 122				
Surr: 1,2-Dichloroethane-d4	*38.48*	*1.0*	*50*	*0*	*77.0*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*45.54*	*1.0*	*50*	*0*	*91.1*	*77 - 113*				
Surr: Dibromofluoromethane	*45.73*	*1.0*	*50*	*0*	*91.5*	*73 - 126*				
Surr: Toluene-d8	*44.8*	*1.0*	*50*	*0*	*89.6*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473630 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240802** Units: **ug/L** Analysis Date: **02-Aug-2024 10:34**
Client ID: Run ID: **VOA7_473630** SeqNo: **8174351** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.83	1.0	20	0	89.2	70 - 124	17.44	2.24	20	
Benzene	19.88	1.0	20	0	99.4	74 - 120	20.06	0.885	20	
Chlorobenzene	20.92	1.0	20	0	105	76 - 113	20.99	0.366	20	
Ethylbenzene	21.7	1.0	20	0	108	77 - 117	21.68	0.0905	20	
Methylene chloride	18.37	2.0	20	0	91.8	70 - 127	18.76	2.12	20	
Toluene	18.95	1.0	20	0	94.8	77 - 118	18.99	0.224	20	
Vinyl chloride	18.83	1.0	20	0	94.2	70 - 130	19.74	4.67	20	
Xylenes, Total	63.97	3.0	60	0	107	75 - 122	64.19	0.342	20	
Surr: 1,2-Dichloroethane-d4	*39.87*	*1.0*	*50*	*0*	*79.7*	*70 - 123*	*38.48*	*3.53*	*20*	
Surr: 4-Bromofluorobenzene	*49.31*	*1.0*	*50*	*0*	*98.6*	*77 - 113*	*45.54*	*7.95*	*20*	
Surr: Dibromofluoromethane	*48.56*	*1.0*	*50*	*0*	*97.1*	*73 - 126*	*45.73*	*6.01*	*20*	
Surr: Toluene-d8	*48.31*	*1.0*	*50*	*0*	*96.6*	*81 - 120*	*44.8*	*7.54*	*20*	

MS Sample ID: **HS24071719-16MS** Units: **ug/L** Analysis Date: **02-Aug-2024 20:26**
Client ID: Run ID: **VOA7_473630** SeqNo: **8174377** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	28.03	1.0	20	0	140	70 - 127				S
Benzene	22.54	1.0	20	1.475	105	70 - 127				
Chlorobenzene	23.53	1.0	20	4.517	95.1	70 - 114				
Ethylbenzene	20.83	1.0	20	0	104	70 - 124				
Methylene chloride	19.26	2.0	20	0	96.3	70 - 128				
Toluene	19.76	1.0	20	0	98.8	70 - 123				
Vinyl chloride	21.7	1.0	20	0	108	70 - 130				
Xylenes, Total	59.04	3.0	60	0	98.4	70 - 130				
Surr: 1,2-Dichloroethane-d4	*72.68*	*1.0*	*50*	*0*	*145*	*70 - 126*				S
Surr: 4-Bromofluorobenzene	*58*	*1.0*	*50*	*0*	*116*	*77 - 113*				S
Surr: Dibromofluoromethane	*59.92*	*1.0*	*50*	*0*	*120*	*77 - 123*				
Surr: Toluene-d8	*52.44*	*1.0*	*50*	*0*	*105*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R473630 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24071719-16MSD** Units: **ug/L** Analysis Date: **02-Aug-2024 20:49**
Client ID: Run ID: **VOA7_473630** SeqNo: **8174378** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	27.02	1.0	20	0	135	70 - 127	28.03	3.68	20	S
Benzene	21.26	1.0	20	1.475	98.9	70 - 127	22.54	5.86	20	
Chlorobenzene	22.77	1.0	20	4.517	91.3	70 - 114	23.53	3.28	20	
Ethylbenzene	19.55	1.0	20	0	97.7	70 - 124	20.83	6.35	20	
Methylene chloride	18.77	2.0	20	0	93.9	70 - 128	19.26	2.54	20	
Toluene	18.98	1.0	20	0	94.9	70 - 123	19.76	4.01	20	
Vinyl chloride	19.23	1.0	20	0	96.1	70 - 130	21.7	12.1	20	
Xylenes, Total	56.31	3.0	60	0	93.9	70 - 130	59.04	4.73	20	
Surr: 1,2-Dichloroethane-d4	*70.46*	*1.0*	*50*	*0*	*141*	*70 - 126*	*72.68*	*3.09*	*20*	S
Surr: 4-Bromofluorobenzene	*55.07*	*1.0*	*50*	*0*	*110*	*77 - 113*	*58*	*5.18*	*20*	
Surr: Dibromofluoromethane	*58.23*	*1.0*	*50*	*0*	*116*	*77 - 123*	*59.92*	*2.86*	*20*	
Surr: Toluene-d8	*51.84*	*1.0*	*50*	*0*	*104*	*82 - 127*	*52.44*	*1.15*	*20*	

The following samples were analyzed in this batch: HS24071691-06 HS24071691-07

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R474187 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240809** Units: **ug/L** Analysis Date: **09-Aug-2024 22:38**
Client ID: Run ID: **VOA4_474187** SeqNo: **8185849** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*48.39*	*1.0*	*50*	*0*	*96.8*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.77*	*1.0*	*50*	*0*	*99.5*	*77 - 113*				
Surr: Dibromofluoromethane	*47.74*	*1.0*	*50*	*0*	*95.5*	*73 - 126*				
Surr: Toluene-d8	*49.67*	*1.0*	*50*	*0*	*99.3*	*81 - 120*				

LCS Sample ID: **VLCSW-240809** Units: **ug/L** Analysis Date: **09-Aug-2024 21:30**
Client ID: Run ID: **VOA4_474187** SeqNo: **8185847** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.15	1.0	20	0	95.7	70 - 124				
Benzene	19.81	1.0	20	0	99.0	74 - 120				
Chlorobenzene	19.12	1.0	20	0	95.6	76 - 113				
Ethylbenzene	20.64	1.0	20	0	103	77 - 117				
Methylene chloride	20.58	2.0	20	0	103	70 - 127				
Toluene	19.75	1.0	20	0	98.7	77 - 118				
Vinyl chloride	19.72	1.0	20	0	98.6	70 - 130				
Xylenes, Total	64.44	3.0	60	0	107	75 - 122				
Surr: 1,2-Dichloroethane-d4	*51.03*	*1.0*	*50*	*0*	*102*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.78*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*48.17*	*1.0*	*50*	*0*	*96.3*	*73 - 126*				
Surr: Toluene-d8	*49.47*	*1.0*	*50*	*0*	*98.9*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R474187 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240809** Units: **ug/L** Analysis Date: **09-Aug-2024 21:53**
Client ID: Run ID: **VOA4_474187** SeqNo: **8185848** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.86	1.0	20	0	94.3	70 - 124	19.15	1.5	20	
Benzene	18.86	1.0	20	0	94.3	74 - 120	19.81	4.89	20	
Chlorobenzene	18.35	1.0	20	0	91.8	76 - 113	19.12	4.13	20	
Ethylbenzene	19.55	1.0	20	0	97.7	77 - 117	20.64	5.42	20	
Methylene chloride	19.97	2.0	20	0	99.9	70 - 127	20.58	2.99	20	
Toluene	18.73	1.0	20	0	93.6	77 - 118	19.75	5.3	20	
Vinyl chloride	18.48	1.0	20	0	92.4	70 - 130	19.72	6.53	20	
Xylenes, Total	61.11	3.0	60	0	102	75 - 122	64.44	5.31	20	
Surr: 1,2-Dichloroethane-d4	*51.46*	*1.0*	*50*	*0*	*103*	*70 - 123*	*51.03*	*0.835*	*20*	
Surr: 4-Bromofluorobenzene	*50.28*	*1.0*	*50*	*0*	*101*	*77 - 113*	*50.78*	*0.978*	*20*	
Surr: Dibromofluoromethane	*48.43*	*1.0*	*50*	*0*	*96.9*	*73 - 126*	*48.17*	*0.543*	*20*	
Surr: Toluene-d8	*49.86*	*1.0*	*50*	*0*	*99.7*	*81 - 120*	*49.47*	*0.78*	*20*	

MS Sample ID: **HS24080279-03MS** Units: **ug/L** Analysis Date: **10-Aug-2024 06:37**
Client ID: Run ID: **VOA4_474187** SeqNo: **8185870** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	57.23	1.0	20	0	286	70 - 127				S
Benzene	61.82	1.0	20	0	309	70 - 127				S
Chlorobenzene	56.08	1.0	20	0	280	70 - 114				S
Ethylbenzene	61.31	1.0	20	0	307	70 - 124				S
Methylene chloride	60.46	2.0	20	0	302	70 - 128				S
Toluene	60.26	1.0	20	0	301	70 - 123				S
Vinyl chloride	58.57	1.0	20	0	293	70 - 130				S
Xylenes, Total	191.1	3.0	60	0	318	70 - 130				S
Surr: 1,2-Dichloroethane-d4	*54.02*	*1.0*	*50*	*0*	*108*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.45*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*49.75*	*1.0*	*50*	*0*	*99.5*	*77 - 123*				
Surr: Toluene-d8	*51.1*	*1.0*	*50*	*0*	*102*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R474187 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24080279-03MSD** Units: **ug/L** Analysis Date: **10-Aug-2024 07:00**
Client ID: Run ID: **VOA4_474187** SeqNo: **8185871** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	55.14	1.0	20	0	276	70 - 127	57.23	3.72	20	S
Benzene	58.52	1.0	20	0	293	70 - 127	61.82	5.5	20	S
Chlorobenzene	54.57	1.0	20	0	273	70 - 114	56.08	2.73	20	S
Ethylbenzene	58.64	1.0	20	0	293	70 - 124	61.31	4.44	20	S
Methylene chloride	59.77	2.0	20	0	299	70 - 128	60.46	1.16	20	S
Toluene	56.78	1.0	20	0	284	70 - 123	60.26	5.94	20	S
Vinyl chloride	52.5	1.0	20	0	262	70 - 130	58.57	10.9	20	S
Xylenes, Total	184.9	3.0	60	0	308	70 - 130	191.1	3.28	20	S
Surr: 1,2-Dichloroethane-d4	*54.77*	*1.0*	*50*	*0*	*110*	*70 - 126*	*54.02*	*1.38*	*20*	
Surr: 4-Bromofluorobenzene	*50.48*	*1.0*	*50*	*0*	*101*	*77 - 113*	*50.45*	*0.0588*	*20*	
Surr: Dibromofluoromethane	*51.77*	*1.0*	*50*	*0*	*104*	*77 - 123*	*49.75*	*3.96*	*20*	
Surr: Toluene-d8	*50.82*	*1.0*	*50*	*0*	*102*	*82 - 127*	*51.1*	*0.544*	*20*	

The following samples were analyzed in this batch: HS24071691-10

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R474217 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240810** Units: **ug/L** Analysis Date: **10-Aug-2024 11:36**
Client ID: Run ID: **VOA4_474217** SeqNo: **8186499** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*52.64*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.09*	*1.0*	*50*	*0*	*98.2*	*77 - 113*				
Surr: Dibromofluoromethane	*50.33*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*48.72*	*1.0*	*50*	*0*	*97.4*	*81 - 120*				

LCS Sample ID: **VLCSW-240810** Units: **ug/L** Analysis Date: **10-Aug-2024 10:28**
Client ID: Run ID: **VOA4_474217** SeqNo: **8186497** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.3	1.0	20	0	96.5	70 - 124				
Benzene	18.98	1.0	20	0	94.9	74 - 120				
Chlorobenzene	18.82	1.0	20	0	94.1	76 - 113				
Ethylbenzene	19.51	1.0	20	0	97.6	77 - 117				
Methylene chloride	20.3	2.0	20	0	102	70 - 127				
Toluene	19.39	1.0	20	0	96.9	77 - 118				
Vinyl chloride	18.69	1.0	20	0	93.5	70 - 130				
Xylenes, Total	61.39	3.0	60	0	102	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.73*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.67*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*49.28*	*1.0*	*50*	*0*	*98.6*	*73 - 126*				
Surr: Toluene-d8	*50.79*	*1.0*	*50*	*0*	*102*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R474217 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240810** Units: **ug/L** Analysis Date: **10-Aug-2024 10:51**
Client ID: Run ID: **VOA4_474217** SeqNo: **8186498** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	19.28	1.0	20	0	96.4	70 - 124	19.3	0.0679	20	
Benzene	18.25	1.0	20	0	91.2	74 - 120	18.98	3.93	20	
Chlorobenzene	17.8	1.0	20	0	89.0	76 - 113	18.82	5.57	20	
Ethylbenzene	18.5	1.0	20	0	92.5	77 - 117	19.51	5.36	20	
Methylene chloride	19.51	2.0	20	0	97.5	70 - 127	20.3	3.98	20	
Toluene	17.64	1.0	20	0	88.2	77 - 118	19.39	9.42	20	
Vinyl chloride	17.6	1.0	20	0	88.0	70 - 130	18.69	6.03	20	
Xylenes, Total	58.05	3.0	60	0	96.8	75 - 122	61.39	5.59	20	
Surr: 1,2-Dichloroethane-d4	*55.11*	*1.0*	*50*	*0*	*110*	*70 - 123*	*53.73*	*2.55*	*20*	
Surr: 4-Bromofluorobenzene	*50.72*	*1.0*	*50*	*0*	*101*	*77 - 113*	*50.67*	*0.0966*	*20*	
Surr: Dibromofluoromethane	*50.36*	*1.0*	*50*	*0*	*101*	*73 - 126*	*49.28*	*2.19*	*20*	
Surr: Toluene-d8	*50.59*	*1.0*	*50*	*0*	*101*	*81 - 120*	*50.79*	*0.396*	*20*	

MS Sample ID: **HS24080279-01MS** Units: **ug/L** Analysis Date: **10-Aug-2024 19:37**
Client ID: Run ID: **VOA4_474217** SeqNo: **8186520** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	23.03	1.0	20	0	115	70 - 127				
Benzene	22.71	1.0	20	0	114	70 - 127				
Chlorobenzene	20.28	1.0	20	0	101	70 - 114				
Ethylbenzene	20.88	1.0	20	0	104	70 - 124				
Methylene chloride	24.03	2.0	20	0	120	70 - 128				
Toluene	21.49	1.0	20	0	107	70 - 123				
Vinyl chloride	23.9	1.0	20	0	119	70 - 130				
Xylenes, Total	65.41	3.0	60	0	109	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.39*	*1.0*	*50*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.02*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.17*	*1.0*	*50*	*0*	*100*	*77 - 123*				
Surr: Toluene-d8	*51.83*	*1.0*	*50*	*0*	*104*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071691

QC BATCH REPORT

Batch ID: R474217 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24080279-01MSD** Units: **ug/L** Analysis Date: **10-Aug-2024 20:00**
Client ID: Run ID: **VOA4_474217** SeqNo: **8186521** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	22.94	1.0	20	0	115	70 - 127	23.03	0.35	20	
Benzene	22.53	1.0	20	0	113	70 - 127	22.71	0.826	20	
Chlorobenzene	20.03	1.0	20	0	100	70 - 114	20.28	1.24	20	
Ethylbenzene	20.75	1.0	20	0	104	70 - 124	20.88	0.615	20	
Methylene chloride	23.99	2.0	20	0	120	70 - 128	24.03	0.171	20	
Toluene	20.63	1.0	20	0	103	70 - 123	21.49	4.07	20	
Vinyl chloride	24.03	1.0	20	0	120	70 - 130	23.9	0.527	20	
Xylenes, Total	64.72	3.0	60	0	108	70 - 130	65.41	1.07	20	
Surr: 1,2-Dichloroethane-d4	*57.79*	*1.0*	*50*	*0*	*116*	*70 - 126*	*56.39*	*2.45*	*20*	
Surr: 4-Bromofluorobenzene	*51.71*	*1.0*	*50*	*0*	*103*	*77 - 113*	*50.02*	*3.31*	*20*	
Surr: Dibromofluoromethane	*52.52*	*1.0*	*50*	*0*	*105*	*77 - 123*	*50.17*	*4.58*	*20*	
Surr: Toluene-d8	*49.95*	*1.0*	*50*	*0*	*99.9*	*82 - 127*	*51.83*	*3.69*	*20*	

The following samples were analyzed in this batch: HS24071691-12

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24071691**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Illinois	2000322023-11	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24071691 **Date/Time Received:** **26-Jul-2024 17:50**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By:	/S/ Ruben Estrada-Jr	29-Jul-2024 23:38	**Reviewed by:**	/S/ Luis.Aguilar	31-Jul-2024 08:56
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **GROUNDWATER** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320990/320993
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	3.5C/2.6C/3.1C	IR-35
Cooler(s)/Kit(s):	52188/52478/52479	
Date/Time sample(s) sent to storage:	7/29/24 20:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Fo

COC ID: 32099

HS24071691

WSP Austin
Houston TX-Wood Preserving Works

eston, WV 3168

5280

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270_LOW_W (Semivolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@arsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW75B-20240725	7-25-24	1030	GW	1,2,8	6	X	X	X								
2	WG-1620-MW50B-20240725	"	1240	"	"	"	X	X	X								
3	WG-1620-MW81B-20240725	"	1353	"	"	"	X	X	X								
4	WG-1620-MW51A-20240725	"	1530	"	"	"	X	X	X								
5	WG-1620-MW40B-20240726	7-26-24	1015	GW	1,2,8	6	X	X	X								
6	WG-1620-MW14-20240726	"	1200	"	"	"	X	X	X								
7	WG-1620-MW12A-20240726	"	1335	"	"	"	X	X	X								
8	WG-1620-MW12C-20240726	"	1508	"	"	"	X	X	X								
9	WG-1620-MW39B-20240726	"	1635	"	"	"	X	X	X								
10	WG-1620-FB02-20240726	"	1645	"	"	"	X	X									

Sampler(s) Please Print & Sign: Dominic Baptiste

Shipment Method: Drop off

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 7/26/24	Time: 1750	Received by:	Notes: UPRR HMP/W 1620-21	
Relinquished by:	Date:	Time:	Received by (Laboratory): 7/26/24 17:50	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	52188	3.5°
				52478	2.6°
				52479	3.1°

QC Package: (Check One Box Below)
- [ ] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [X] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
The Chain of Custody is a legal document. All information must be completed accurately.

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Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 320993

HS24071691

WV

WSP Austin

Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 02683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- AP	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@arsolutn.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~MW~~ WG-1620-MW32AR-20240725	7/25/24	1100	GW	HNO3,8	6	X	X	X								
2	WG-1620-MW32B-20240726	7/26/24	1020			6	X	X	X								
3	WG-1620-MW68C-20240726	7/26/24	1140			6	X	X	X								
4	WG-1620-MW84B-20240726	7/26/24	1355			6	X	X	X								
5	WG-1620-MW89B-20240726	7/26/24	1515			6	X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Leon St. Rose

Shipment Method: Dropoff

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date: 7/26/24	Time: 1750	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory): 7/26/24	17:50
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.

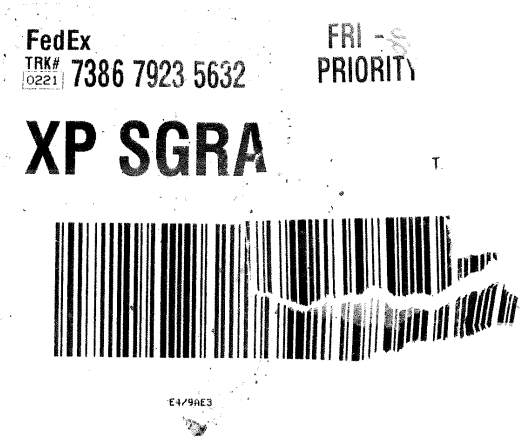
QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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TRK#
0221 7386 7923 5632
FRI -S
PRIORITY
XP SGRA
T
E479AE3

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 14, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24071816**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 19 sample(s) on Jul 30, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24071816**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24071816**	

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071816					
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215619,215638,215753,R473671,R474368					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1	
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?		X			2	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3	
		Were MS/MSD RPDs within laboratory QC limits?		X			4	
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				5	
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071816				
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215619,215638,215753,R473671,R474368				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/14/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24071816
Reviewer Name: Luis.Aguilar	Prep Batch Number(s): 215619,215638,215753,R473671,R474368

ER#[5]	Description
1	Semivolatiles Method SW270, samples WG-1620-MW70B-20240729, WG-1620-MW63B-20240729, WG-1620-FD03-20240730, the surrogate recoveries could not be determined due to dilution below the calibration range. Semivolatiles Method SW8270, sample WG-1620-MW28C-20240730: Surrogate recoveries were outside of the control limits due to matrix interference. Confirmed by MS and MSD
2	Batch R474368, Volatiles Method SW8260, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	Batch 215619, Semivolatiles Method SW8270, sample WG-1620-MW28C-20240730, MS and or MSD recovered outside the control limit for some analytes due to suspect matrix effect
4	Batch 215619, Semivolatiles Method SW8270, sample WG-1620-MW28C-20240730, MS/MSD RPD recovered above the RPD limit for some analytes.
5	Batch 215619, Semivolatiles Method SW8270, for some samples, the GCMS semi-volatile extract were run at a dilution due to a high level of matrix interference.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24071816

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24071816-01	WG-1620-MW33A-20240729	Groundwater		29-Jul-2024 08:35	30-Jul-2024 17:25	☐
HS24071816-02	WG-1620-MW70C-20240729	Groundwater		29-Jul-2024 09:20	30-Jul-2024 17:25	☐
HS24071816-03	WG-1620-MW70B-20240729	Groundwater		29-Jul-2024 10:00	30-Jul-2024 17:25	☐
HS24071816-04	WG-1620-FD02-20240729	Groundwater		29-Jul-2024 08:40	30-Jul-2024 17:25	☐
HS24071816-05	WG-1620-MW33BR-20240729	Groundwater		29-Jul-2024 11:05	30-Jul-2024 17:25	☐
HS24071816-06	WG-1620-MW63B-20240729	Groundwater		29-Jul-2024 11:45	30-Jul-2024 17:25	☐
HS24071816-07	WG-1620-MW68B-20240729	Groundwater		29-Jul-2024 13:05	30-Jul-2024 17:25	☐
HS24071816-08	WG-1620-MW68A-20240729	Groundwater		29-Jul-2024 14:05	30-Jul-2024 17:25	☐
HS24071816-09	WG-1620-MW84A-20240729	Groundwater		29-Jul-2024 15:10	30-Jul-2024 17:25	☐
HS24071816-10	WG-1620-MW71B-20240729	Groundwater		29-Jul-2024 16:10	30-Jul-2024 17:25	☐
HS24071816-11	WG-1620-MW87C-20240730	Groundwater		30-Jul-2024 07:50	30-Jul-2024 17:25	☐
HS24071816-12	WG-1620-MW28A-20240730	Groundwater		30-Jul-2024 08:50	30-Jul-2024 17:25	☐
HS24071816-13	WG-1620-MW28C-20240730	Groundwater		30-Jul-2024 09:20	30-Jul-2024 17:25	☐
HS24071816-14	WG-1620-MW91A-20240730	Groundwater		30-Jul-2024 10:40	30-Jul-2024 17:25	☐
HS24071816-15	WG-1620-FD03-20240730	Groundwater		30-Jul-2024 10:45	30-Jul-2024 17:25	☐
HS24071816-16	WG-1620-MW67B-20240730	Groundwater		30-Jul-2024 11:35	30-Jul-2024 17:25	☐
HS24071816-17	WG-1620-TB01-20240730	Water		30-Jul-2024 12:15	30-Jul-2024 17:25	☐
HS24071816-18	WG-1620-MW27A-20240730	Groundwater		30-Jul-2024 14:30	30-Jul-2024 17:25	☐
HS24071816-19	WG-1620-MW53C-20240730	Groundwater		30-Jul-2024 15:35	30-Jul-2024 17:25	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33A-20240729
Collection Date: 29-Jul-2024 08:35

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 03:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 03:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 03:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 03:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 03:18
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 03:18
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 03:18
Surr: 1,2-Dichloroethane-d4	*92.6*			*70-126*	*%REC*	*1*	*04-Aug-2024 03:18*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*04-Aug-2024 03:18*
Surr: Dibromofluoromethane	*94.3*			*77-123*	*%REC*	*1*	*04-Aug-2024 03:18*
Surr: Toluene-d8	*97.6*			*82-127*	*%REC*	*1*	*04-Aug-2024 03:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33A-20240729
Collection Date: 29-Jul-2024 08:35

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 19:34
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2024 19:34
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2024 19:34
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2024 19:34
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 19:34
2-Methylnaphthalene	**0.000033**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2024 19:34
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2024 19:34
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2024 19:34
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2024 19:34
Anthracene	**0.000034**	J	**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2024 19:34
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 19:34
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2024 19:34
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2024 19:34
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 19:34
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2024 19:34
Dibenzofuran	**0.000064**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
Fluoranthene	**0.00012**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
Fluorene	**0.000051**	J	**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2024 19:34
Naphthalene	**0.00011**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2024 19:34
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2024 19:34
Phenanthrene	**0.00020**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2024 19:34
Pyrene	**0.000090**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2024 19:34
Surr: 2,4,6-Tribromophenol	*87.1*			*34-129*	*%REC*	*1*	*02-Aug-2024 19:34*
Surr: 2-Fluorobiphenyl	*90.1*			*40-125*	*%REC*	*1*	*02-Aug-2024 19:34*
Surr: 2-Fluorophenol	*71.3*			*20-120*	*%REC*	*1*	*02-Aug-2024 19:34*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*02-Aug-2024 19:34*
Surr: Nitrobenzene-d5	*71.6*			*41-120*	*%REC*	*1*	*02-Aug-2024 19:34*
Surr: Phenol-d6	*81.0*			*20-120*	*%REC*	*1*	*02-Aug-2024 19:34*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00309**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70C-20240729
Collection Date: 29-Jul-2024 09:20

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 03:40
Benzene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 03:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 03:40
Ethylbenzene	**0.0032**		**0.00030**	**0.0010**	**mg/L**	1	04-Aug-2024 03:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 03:40
Toluene	**0.0061**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 03:40
Xylenes, Total	**0.0080**		**0.00030**	**0.0030**	**mg/L**	1	04-Aug-2024 03:40
Surr: 1,2-Dichloroethane-d4	*94.2*			*70-126*	*%REC*	*1*	*04-Aug-2024 03:40*
Surr: 4-Bromofluorobenzene	*99.8*			*77-113*	*%REC*	*1*	*04-Aug-2024 03:40*
Surr: Dibromofluoromethane	*95.7*			*77-123*	*%REC*	*1*	*04-Aug-2024 03:40*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*04-Aug-2024 03:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70C-20240729
Collection Date: 29-Jul-2024 09:20

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 21:30
2,4-Dimethylphenol	**0.000071**	J	**0.000040**	**0.00020**	**mg/L**	1	02-Aug-2024 21:30
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2024 21:30
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2024 21:30
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 21:30
2-Methylnaphthalene	**0.00013**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2024 21:30
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2024 21:30
Acenaphthene	**0.00062**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2024 21:30
Anthracene	**0.00057**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Benz(a)anthracene	**0.00028**		**0.000050**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Benzo(a)pyrene	**0.000073**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2024 21:30
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2024 21:30
Chrysene	**0.00026**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2024 21:30
Dibenzofuran	**0.00034**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Fluoranthene	**0.0019**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Fluorene	**0.00042**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2024 21:30
Naphthalene	**0.000068**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2024 21:30
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2024 21:30
Phenanthrene	**0.0023**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2024 21:30
Pyrene	**0.0012**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2024 21:30
Surr: 2,4,6-Tribromophenol	*50.9*			*34-129*	*%REC*	*1*	*02-Aug-2024 21:30*
Surr: 2-Fluorobiphenyl	*81.6*			*40-125*	*%REC*	*1*	*02-Aug-2024 21:30*
Surr: 2-Fluorophenol	*63.1*			*20-120*	*%REC*	*1*	*02-Aug-2024 21:30*
Surr: 4-Terphenyl-d14	*96.1*			*40-135*	*%REC*	*1*	*02-Aug-2024 21:30*
Surr: Nitrobenzene-d5	*68.9*			*41-120*	*%REC*	*1*	*02-Aug-2024 21:30*
Surr: Phenol-d6	*73.8*			*20-120*	*%REC*	*1*	*02-Aug-2024 21:30*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	01-Aug-2024 22:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70B-20240729
Collection Date: 29-Jul-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.20		0.20	1.0	mg/L	1000	12-Aug-2024 16:27
Benzene	**2.2**		**0.20**	**1.0**	**mg/L**	1000	12-Aug-2024 16:27
Chlorobenzene	< 0.30		0.30	1.0	mg/L	1000	12-Aug-2024 16:27
Ethylbenzene	**0.37**	J	**0.30**	**1.0**	**mg/L**	1000	12-Aug-2024 16:27
Methylene chloride	< 1.0		1.0	2.0	mg/L	1000	12-Aug-2024 16:27
Toluene	**1.7**		**0.20**	**1.0**	**mg/L**	1000	12-Aug-2024 16:27
Xylenes, Total	**0.88**	J	**0.30**	**3.0**	**mg/L**	1000	12-Aug-2024 16:27
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1000*	*12-Aug-2024 16:27*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1000*	*12-Aug-2024 16:27*
Surr: Dibromofluoromethane	*95.1*			*77-123*	*%REC*	*1000*	*12-Aug-2024 16:27*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1000*	*12-Aug-2024 16:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70B-20240729
Collection Date: 29-Jul-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2024 15:23
2,4-Dimethylphenol	**21**		**0.20**	**1.0**	**mg/L**	5000	10-Aug-2024 00:01
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	08-Aug-2024 15:23
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	08-Aug-2024 15:23
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2024 15:23
2-Methylnaphthalene	**1.1**		**0.095**	**0.50**	**mg/L**	5000	10-Aug-2024 00:01
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	08-Aug-2024 15:23
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	08-Aug-2024 15:23
Acenaphthene	**0.46**		**0.0027**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Acenaphthylene	**0.013**		**0.0015**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Anthracene	**0.18**		**0.0014**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Benz(a)anthracene	**0.031**		**0.0050**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Benzo(a)pyrene	**0.0090**	J	**0.0020**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	08-Aug-2024 15:23
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	08-Aug-2024 15:23
Chrysene	**0.029**		**0.0021**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	08-Aug-2024 15:23
Dibenzofuran	**0.41**		**0.0020**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Fluoranthene	**0.25**		**0.0010**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Fluorene	**0.38**		**0.0030**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	08-Aug-2024 15:23
Naphthalene	**13**		**0.10**	**0.50**	**mg/L**	5000	10-Aug-2024 00:01
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	08-Aug-2024 15:23
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	08-Aug-2024 15:23
Phenanthrene	**0.76**		**0.0021**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Phenol	**0.94**		**0.0035**	**0.020**	**mg/L**	100	08-Aug-2024 15:23
Pyrene	**0.15**		**0.0019**	**0.010**	**mg/L**	100	08-Aug-2024 15:23
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*08-Aug-2024 15:23*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*5000*	*10-Aug-2024 00:01*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*5000*	*10-Aug-2024 00:01*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*08-Aug-2024 15:23*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2024 15:23*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*5000*	*10-Aug-2024 00:01*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*5000*	*10-Aug-2024 00:01*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*08-Aug-2024 15:23*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*08-Aug-2024 15:23*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*5000*	*10-Aug-2024 00:01*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*5000*	*10-Aug-2024 00:01*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2024 15:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70B-20240729
Collection Date: 29-Jul-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00165**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD02-20240729
Collection Date: 29-Jul-2024 08:40

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 04:26
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 04:26
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 04:26
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 04:26
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 04:26
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 04:26
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 04:26
Surr: 1,2-Dichloroethane-d4	*93.2*			*70-126*	*%REC*	*1*	*04-Aug-2024 04:26*
Surr: 4-Bromofluorobenzene	*98.4*			*77-113*	*%REC*	*1*	*04-Aug-2024 04:26*
Surr: Dibromofluoromethane	*93.7*			*77-123*	*%REC*	*1*	*04-Aug-2024 04:26*
Surr: Toluene-d8	*97.4*			*82-127*	*%REC*	*1*	*04-Aug-2024 04:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD02-20240729
Collection Date: 29-Jul-2024 08:40

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 21:53
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2024 21:53
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2024 21:53
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2024 21:53
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 21:53
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 21:53
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2024 21:53
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2024 21:53
Acenaphthene	**0.00022**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2024 21:53
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2024 21:53
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2024 21:53
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2024 21:53
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 21:53
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2024 21:53
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2024 21:53
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 21:53
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2024 21:53
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 21:53
Fluoranthene	**0.000096**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2024 21:53
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2024 21:53
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2024 21:53
Naphthalene	**0.00018**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2024 21:53
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2024 21:53
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2024 21:53
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 21:53
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2024 21:53
Pyrene	**0.00012**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2024 21:53
Surr: 2,4,6-Tribromophenol	*82.3*			*34-129*	*%REC*	*1*	*02-Aug-2024 21:53*
Surr: 2-Fluorobiphenyl	*83.6*			*40-125*	*%REC*	*1*	*02-Aug-2024 21:53*
Surr: 2-Fluorophenol	*67.4*			*20-120*	*%REC*	*1*	*02-Aug-2024 21:53*
Surr: 4-Terphenyl-d14	*97.0*			*40-135*	*%REC*	*1*	*02-Aug-2024 21:53*
Surr: Nitrobenzene-d5	*68.5*			*41-120*	*%REC*	*1*	*02-Aug-2024 21:53*
Surr: Phenol-d6	*75.4*			*20-120*	*%REC*	*1*	*02-Aug-2024 21:53*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00395**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33BR-20240729
Collection Date: 29-Jul-2024 11:05

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 04:49
Benzene	**0.084**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 04:49
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 04:49
Ethylbenzene	**0.060**		**0.00030**	**0.0010**	**mg/L**	1	04-Aug-2024 04:49
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 04:49
Toluene	**0.0041**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 04:49
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 04:49
Xylenes, Total	**0.033**		**0.00030**	**0.0030**	**mg/L**	1	04-Aug-2024 04:49
Surr: 1,2-Dichloroethane-d4	*95.7*			*70-126*	*%REC*	*1*	*04-Aug-2024 04:49*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*04-Aug-2024 04:49*
Surr: Dibromofluoromethane	*95.2*			*77-123*	*%REC*	*1*	*04-Aug-2024 04:49*
Surr: Toluene-d8	*98.7*			*82-127*	*%REC*	*1*	*04-Aug-2024 04:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33BR-20240729
Collection Date: 29-Jul-2024 11:05

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00010		0.00010	0.0010	mg/L	5	09-Aug-2024 21:43
2,4-Dimethylphenol	**0.0033**		**0.00020**	**0.0010**	**mg/L**	5	09-Aug-2024 21:43
2,4-Dinitrotoluene	< 0.00029		0.00029	0.0010	mg/L	5	09-Aug-2024 21:43
2,6-Dinitrotoluene	< 0.00021		0.00021	0.0010	mg/L	5	09-Aug-2024 21:43
2-Chloronaphthalene	< 0.00010		0.00010	0.0010	mg/L	5	09-Aug-2024 21:43
2-Methylnaphthalene	< 0.000095		0.000095	0.00050	mg/L	5	09-Aug-2024 21:43
4,6-Dinitro-2-methylphenol	< 0.00010		0.00010	0.0050	mg/L	5	09-Aug-2024 21:43
4-Nitrophenol	< 0.00024		0.00024	0.0050	mg/L	5	09-Aug-2024 21:43
Acenaphthene	**0.0075**		**0.00014**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Acenaphthylene	**0.00040**	J	**0.000075**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Anthracene	**0.00059**		**0.000070**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Benz(a)anthracene	**0.00071**		**0.00025**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Benzo(a)pyrene	**0.00020**	J	**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Bis(2-chloroethoxy)methane	< 0.00015		0.00015	0.0010	mg/L	5	09-Aug-2024 21:43
Bis(2-ethylhexyl)phthalate	< 0.00018		0.00018	0.0010	mg/L	5	09-Aug-2024 21:43
Chrysene	**0.00055**		**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Di-n-butyl phthalate	< 0.00010		0.00010	0.0010	mg/L	5	09-Aug-2024 21:43
Dibenzofuran	**0.0022**		**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Fluoranthene	**0.0067**		**0.000050**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Fluorene	**0.0016**		**0.00015**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
N-Nitrosodiphenylamine	< 0.00012		0.00012	0.0010	mg/L	5	09-Aug-2024 21:43
Naphthalene	**0.00032**	J	**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Nitrobenzene	< 0.00012		0.00012	0.0010	mg/L	5	09-Aug-2024 21:43
Pentachlorophenol	< 0.00040		0.00040	0.0010	mg/L	5	09-Aug-2024 21:43
Phenanthrene	**0.00047**	J	**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Phenol	< 0.00018		0.00018	0.0010	mg/L	5	09-Aug-2024 21:43
Pyrene	**0.0041**		**0.000095**	**0.00050**	**mg/L**	5	09-Aug-2024 21:43
Surr: 2,4,6-Tribromophenol	*128*			*34-129*	*%REC*	*5*	*09-Aug-2024 21:43*
Surr: 2-Fluorobiphenyl	*117*			*40-125*	*%REC*	*5*	*09-Aug-2024 21:43*
Surr: 2-Fluorophenol	*94.4*			*20-120*	*%REC*	*5*	*09-Aug-2024 21:43*
Surr: 4-Terphenyl-d14	*129*			*40-135*	*%REC*	*5*	*09-Aug-2024 21:43*
Surr: Nitrobenzene-d5	*94.0*			*41-120*	*%REC*	*5*	*09-Aug-2024 21:43*
Surr: Phenol-d6	*105*			*20-120*	*%REC*	*5*	*09-Aug-2024 21:43*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.000540**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW63B-20240729
Collection Date: 29-Jul-2024 11:45

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	**0.0033**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 05:12
Benzene	**0.15**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 05:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 05:12
Ethylbenzene	**0.042**		**0.00030**	**0.0010**	**mg/L**	1	04-Aug-2024 05:12
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 05:12
Toluene	**0.0020**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 05:12
Xylenes, Total	**0.012**		**0.00030**	**0.0030**	**mg/L**	1	04-Aug-2024 05:12
Surr: 1,2-Dichloroethane-d4	*94.2*			*70-126*	*%REC*	*1*	*04-Aug-2024 05:12*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*04-Aug-2024 05:12*
Surr: Dibromofluoromethane	*94.0*			*77-123*	*%REC*	*1*	*04-Aug-2024 05:12*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*04-Aug-2024 05:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW63B-20240729
Collection Date: 29-Jul-2024 11:45

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00042		0.00042	0.0040	mg/L	20	10-Aug-2024 00:24
2,4-Dimethylphenol	< 0.00080		0.00080	0.0040	mg/L	20	10-Aug-2024 00:24
2,4-Dinitrotoluene	< 0.0012		0.0012	0.0040	mg/L	20	10-Aug-2024 00:24
2,6-Dinitrotoluene	< 0.00084		0.00084	0.0040	mg/L	20	10-Aug-2024 00:24
2-Chloronaphthalene	< 0.00042		0.00042	0.0040	mg/L	20	10-Aug-2024 00:24
2-Methylnaphthalene	**0.062**		**0.00038**	**0.0020**	**mg/L**	20	10-Aug-2024 00:24
4,6-Dinitro-2-methylphenol	< 0.00040		0.00040	0.020	mg/L	20	10-Aug-2024 00:24
4-Nitrophenol	< 0.00094		0.00094	0.020	mg/L	20	10-Aug-2024 00:24
Acenaphthene	**0.020**		**0.00054**	**0.0020**	**mg/L**	20	10-Aug-2024 00:24
Acenaphthylene	< 0.00030		0.00030	0.0020	mg/L	20	10-Aug-2024 00:24
Anthracene	**0.00035**	J	**0.00028**	**0.0020**	**mg/L**	20	10-Aug-2024 00:24
Benz(a)anthracene	< 0.0010		0.0010	0.0020	mg/L	20	10-Aug-2024 00:24
Benzo(a)pyrene	< 0.00040		0.00040	0.0020	mg/L	20	10-Aug-2024 00:24
Bis(2-chloroethoxy)methane	< 0.00060		0.00060	0.0040	mg/L	20	10-Aug-2024 00:24
Bis(2-ethylhexyl)phthalate	< 0.00074		0.00074	0.0040	mg/L	20	10-Aug-2024 00:24
Chrysene	< 0.00042		0.00042	0.0020	mg/L	20	10-Aug-2024 00:24
Di-n-butyl phthalate	< 0.00040		0.00040	0.0040	mg/L	20	10-Aug-2024 00:24
Dibenzofuran	**0.019**		**0.00040**	**0.0020**	**mg/L**	20	10-Aug-2024 00:24
Fluoranthene	< 0.00020		0.00020	0.0020	mg/L	20	10-Aug-2024 00:24
Fluorene	**0.0068**		**0.00060**	**0.0020**	**mg/L**	20	10-Aug-2024 00:24
N-Nitrosodiphenylamine	< 0.00050		0.00050	0.0040	mg/L	20	10-Aug-2024 00:24
Naphthalene	**3.5**		**0.020**	**0.10**	**mg/L**	1000	10-Aug-2024 14:48
Nitrobenzene	< 0.00048		0.00048	0.0040	mg/L	20	10-Aug-2024 00:24
Pentachlorophenol	< 0.0016		0.0016	0.0040	mg/L	20	10-Aug-2024 00:24
Phenanthrene	**0.0025**		**0.00042**	**0.0020**	**mg/L**	20	10-Aug-2024 00:24
Phenol	< 0.00070		0.00070	0.0040	mg/L	20	10-Aug-2024 00:24
Pyrene	< 0.00038		0.00038	0.0020	mg/L	20	10-Aug-2024 00:24
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*10-Aug-2024 14:48*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*20*	*10-Aug-2024 00:24*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20*	*10-Aug-2024 00:24*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*10-Aug-2024 14:48*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*10-Aug-2024 14:48*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*20*	*10-Aug-2024 00:24*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20*	*10-Aug-2024 00:24*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*10-Aug-2024 14:48*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20*	*10-Aug-2024 00:24*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*10-Aug-2024 14:48*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*10-Aug-2024 14:48*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*20*	*10-Aug-2024 00:24*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW63B-20240729
Collection Date: 29-Jul-2024 11:45

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00106**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68B-20240729
Collection Date: 29-Jul-2024 13:05

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 05:34
Benzene	**0.064**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 05:34
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 05:34
Ethylbenzene	**0.060**		**0.00030**	**0.0010**	**mg/L**	1	04-Aug-2024 05:34
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 05:34
Toluene	**0.027**		**0.00020**	**0.0010**	**mg/L**	1	04-Aug-2024 05:34
Xylenes, Total	**0.16**		**0.00030**	**0.0030**	**mg/L**	1	04-Aug-2024 05:34
Surr: 1,2-Dichloroethane-d4	*90.7*			*70-126*	*%REC*	*1*	*04-Aug-2024 05:34*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*04-Aug-2024 05:34*
Surr: Dibromofluoromethane	*90.7*			*77-123*	*%REC*	*1*	*04-Aug-2024 05:34*
Surr: Toluene-d8	*99.2*			*82-127*	*%REC*	*1*	*04-Aug-2024 05:34*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68B-20240729
Collection Date: 29-Jul-2024 13:05

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2024 16:10
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	08-Aug-2024 16:10
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	08-Aug-2024 16:10
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	08-Aug-2024 16:10
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2024 16:10
2-Methylnaphthalene	**0.0074**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	08-Aug-2024 16:10
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	08-Aug-2024 16:10
Acenaphthene	**0.048**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	08-Aug-2024 16:10
Anthracene	**0.0080**		**0.00014**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Benz(a)anthracene	**0.0027**		**0.00050**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Benzo(a)pyrene	**0.00090**	J	**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	08-Aug-2024 16:10
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	08-Aug-2024 16:10
Chrysene	**0.0025**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	08-Aug-2024 16:10
Dibenzofuran	**0.053**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Fluoranthene	**0.013**		**0.00010**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Fluorene	**0.032**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	08-Aug-2024 16:10
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	08-Aug-2024 16:10
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	08-Aug-2024 16:10
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	08-Aug-2024 16:10
Phenanthrene	**0.055**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	08-Aug-2024 16:10
Pyrene	**0.0087**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2024 16:10
Surr: 2,4,6-Tribromophenol	*122*			*34-129*	*%REC*	*10*	*08-Aug-2024 16:10*
Surr: 2-Fluorobiphenyl	*103*			*40-125*	*%REC*	*10*	*08-Aug-2024 16:10*
Surr: 2-Fluorophenol	*93.1*			*20-120*	*%REC*	*10*	*08-Aug-2024 16:10*
Surr: 4-Terphenyl-d14	*121*			*40-135*	*%REC*	*10*	*08-Aug-2024 16:10*
Surr: Nitrobenzene-d5	*84.6*			*41-120*	*%REC*	*10*	*08-Aug-2024 16:10*
Surr: Phenol-d6	*94.6*			*20-120*	*%REC*	*10*	*08-Aug-2024 16:10*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00119**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68A-20240729
Collection Date: 29-Jul-2024 14:05

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 05:57
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 05:57
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 05:57
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 05:57
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 05:57
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 05:57
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 05:57
Surr: 1,2-Dichloroethane-d4	*93.6*			*70-126*	*%REC*	*1*	*04-Aug-2024 05:57*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*04-Aug-2024 05:57*
Surr: Dibromofluoromethane	*91.9*			*77-123*	*%REC*	*1*	*04-Aug-2024 05:57*
Surr: Toluene-d8	*100.0*			*82-127*	*%REC*	*1*	*04-Aug-2024 05:57*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68A-20240729
Collection Date: 29-Jul-2024 14:05

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 19:25
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2024 19:25
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 19:25
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 19:25
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 19:25
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 19:25
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 19:25
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 19:25
Acenaphthene	**0.00046**		**0.000027**	**0.00010**	**mg/L**	1	09-Aug-2024 19:25
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 19:25
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2024 19:25
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 19:25
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 19:25
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 19:25
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 19:25
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 19:25
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 19:25
Dibenzofuran	**0.000030**	J	**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 19:25
Fluoranthene	**0.000041**	J	**0.000010**	**0.00010**	**mg/L**	1	09-Aug-2024 19:25
Fluorene	**0.000040**	J	**0.000030**	**0.00010**	**mg/L**	1	09-Aug-2024 19:25
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 19:25
Naphthalene	**0.000091**	J	**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 19:25
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 19:25
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 19:25
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 19:25
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 19:25
Pyrene	**0.000049**	J	**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 19:25
Surr: 2,4,6-Tribromophenol	*99.0*			*34-129*	*%REC*	*1*	*09-Aug-2024 19:25*
Surr: 2-Fluorobiphenyl	*83.8*			*40-125*	*%REC*	*1*	*09-Aug-2024 19:25*
Surr: 2-Fluorophenol	*69.1*			*20-120*	*%REC*	*1*	*09-Aug-2024 19:25*
Surr: 4-Terphenyl-d14	*93.3*			*40-135*	*%REC*	*1*	*09-Aug-2024 19:25*
Surr: Nitrobenzene-d5	*68.9*			*41-120*	*%REC*	*1*	*09-Aug-2024 19:25*
Surr: Phenol-d6	*77.5*			*20-120*	*%REC*	*1*	*09-Aug-2024 19:25*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.0727**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84A-20240729
Collection Date: 29-Jul-2024 15:10

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 06:20
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 06:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 06:20
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 06:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 06:20
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 06:20
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 06:20
Surr: 1,2-Dichloroethane-d4	*91.8*			*70-126*	*%REC*	*1*	*04-Aug-2024 06:20*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*04-Aug-2024 06:20*
Surr: Dibromofluoromethane	*92.3*			*77-123*	*%REC*	*1*	*04-Aug-2024 06:20*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*04-Aug-2024 06:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84A-20240729
Collection Date: 29-Jul-2024 15:10

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 20:11
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2024 20:11
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 20:11
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 20:11
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 20:11
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 20:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 20:11
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 20:11
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	09-Aug-2024 20:11
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 20:11
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2024 20:11
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 20:11
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 20:11
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 20:11
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 20:11
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 20:11
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 20:11
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 20:11
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	09-Aug-2024 20:11
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	09-Aug-2024 20:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 20:11
Naphthalene	**0.00017**		**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 20:11
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 20:11
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 20:11
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 20:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 20:11
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 20:11
Surr: 2,4,6-Tribromophenol	*98.3*			*34-129*	*%REC*	*1*	*09-Aug-2024 20:11*
Surr: 2-Fluorobiphenyl	*80.6*			*40-125*	*%REC*	*1*	*09-Aug-2024 20:11*
Surr: 2-Fluorophenol	*65.1*			*20-120*	*%REC*	*1*	*09-Aug-2024 20:11*
Surr: 4-Terphenyl-d14	*94.9*			*40-135*	*%REC*	*1*	*09-Aug-2024 20:11*
Surr: Nitrobenzene-d5	*67.6*			*41-120*	*%REC*	*1*	*09-Aug-2024 20:11*
Surr: Phenol-d6	*73.4*			*20-120*	*%REC*	*1*	*09-Aug-2024 20:11*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00218**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:25

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW71B-20240729
Collection Date: 29-Jul-2024 16:10

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 06:43
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 06:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 06:43
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 06:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 06:43
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 06:43
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 06:43
Surr: 1,2-Dichloroethane-d4	*90.3*			*70-126*	*%REC*	*1*	*04-Aug-2024 06:43*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*04-Aug-2024 06:43*
Surr: Dibromofluoromethane	*95.2*			*77-123*	*%REC*	*1*	*04-Aug-2024 06:43*
Surr: Toluene-d8	*95.3*			*82-127*	*%REC*	*1*	*04-Aug-2024 06:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW71B-20240729
Collection Date: 29-Jul-2024 16:10

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00010		0.00010	0.0010	mg/L	5	09-Aug-2024 22:06
2,4-Dimethylphenol	**0.00031**	J	**0.00020**	**0.0010**	**mg/L**	5	09-Aug-2024 22:06
2,4-Dinitrotoluene	< 0.00029		0.00029	0.0010	mg/L	5	09-Aug-2024 22:06
2,6-Dinitrotoluene	< 0.00021		0.00021	0.0010	mg/L	5	09-Aug-2024 22:06
2-Chloronaphthalene	< 0.00010		0.00010	0.0010	mg/L	5	09-Aug-2024 22:06
2-Methylnaphthalene	< 0.000095		0.000095	0.00050	mg/L	5	09-Aug-2024 22:06
4,6-Dinitro-2-methylphenol	< 0.00010		0.00010	0.0050	mg/L	5	09-Aug-2024 22:06
4-Nitrophenol	< 0.00024		0.00024	0.0050	mg/L	5	09-Aug-2024 22:06
Acenaphthene	**0.00038**	J	**0.00014**	**0.00050**	**mg/L**	5	09-Aug-2024 22:06
Acenaphthylene	< 0.000075		0.000075	0.00050	mg/L	5	09-Aug-2024 22:06
Anthracene	**0.00010**	J	**0.000070**	**0.00050**	**mg/L**	5	09-Aug-2024 22:06
Benz(a)anthracene	< 0.00025		0.00025	0.00050	mg/L	5	09-Aug-2024 22:06
Benzo(a)pyrene	**0.00012**	J	**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 22:06
Bis(2-chloroethoxy)methane	< 0.00015		0.00015	0.0010	mg/L	5	09-Aug-2024 22:06
Bis(2-ethylhexyl)phthalate	< 0.00018		0.00018	0.0010	mg/L	5	09-Aug-2024 22:06
Chrysene	**0.00016**	J	**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 22:06
Di-n-butyl phthalate	< 0.00010		0.00010	0.0010	mg/L	5	09-Aug-2024 22:06
Dibenzofuran	< 0.00010		0.00010	0.00050	mg/L	5	09-Aug-2024 22:06
Fluoranthene	**0.00054**		**0.000050**	**0.00050**	**mg/L**	5	09-Aug-2024 22:06
Fluorene	< 0.00015		0.00015	0.00050	mg/L	5	09-Aug-2024 22:06
N-Nitrosodiphenylamine	< 0.00012		0.00012	0.0010	mg/L	5	09-Aug-2024 22:06
Naphthalene	< 0.00010		0.00010	0.00050	mg/L	5	09-Aug-2024 22:06
Nitrobenzene	< 0.00012		0.00012	0.0010	mg/L	5	09-Aug-2024 22:06
Pentachlorophenol	< 0.00040		0.00040	0.0010	mg/L	5	09-Aug-2024 22:06
Phenanthrene	**0.00027**	J	**0.00010**	**0.00050**	**mg/L**	5	09-Aug-2024 22:06
Phenol	< 0.00018		0.00018	0.0010	mg/L	5	09-Aug-2024 22:06
Pyrene	**0.00039**	J	**0.000095**	**0.00050**	**mg/L**	5	09-Aug-2024 22:06
Surr: 2,4,6-Tribromophenol	*101*			*34-129*	*%REC*	*5*	*09-Aug-2024 22:06*
Surr: 2-Fluorobiphenyl	*90.9*			*40-125*	*%REC*	*5*	*09-Aug-2024 22:06*
Surr: 2-Fluorophenol	*74.6*			*20-120*	*%REC*	*5*	*09-Aug-2024 22:06*
Surr: 4-Terphenyl-d14	*102*			*40-135*	*%REC*	*5*	*09-Aug-2024 22:06*
Surr: Nitrobenzene-d5	*73.6*			*41-120*	*%REC*	*5*	*09-Aug-2024 22:06*
Surr: Phenol-d6	*82.9*			*20-120*	*%REC*	*5*	*09-Aug-2024 22:06*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00108**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW87C-20240730
Collection Date: 30-Jul-2024 07:50

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:05
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 07:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 07:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 07:05
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:05
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 07:05
Surr: 1,2-Dichloroethane-d4	*94.3*			*70-126*	*%REC*	*1*	*04-Aug-2024 07:05*
Surr: 4-Bromofluorobenzene	*98.0*			*77-113*	*%REC*	*1*	*04-Aug-2024 07:05*
Surr: Dibromofluoromethane	*93.8*			*77-123*	*%REC*	*1*	*04-Aug-2024 07:05*
Surr: Toluene-d8	*99.1*			*82-127*	*%REC*	*1*	*04-Aug-2024 07:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW87C-20240730
Collection Date: 30-Jul-2024 07:50

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 19:48
2,4-Dimethylphenol	**0.00011**	J	**0.000040**	**0.00020**	**mg/L**	1	09-Aug-2024 19:48
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 19:48
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 19:48
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 19:48
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 19:48
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 19:48
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 19:48
Acenaphthene	**0.000048**	J	**0.000027**	**0.00010**	**mg/L**	1	09-Aug-2024 19:48
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 19:48
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2024 19:48
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 19:48
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 19:48
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 19:48
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 19:48
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 19:48
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 19:48
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 19:48
Fluoranthene	**0.00014**		**0.000010**	**0.00010**	**mg/L**	1	09-Aug-2024 19:48
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	09-Aug-2024 19:48
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 19:48
Naphthalene	**0.000031**	J	**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 19:48
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 19:48
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 19:48
Phenanthrene	**0.000070**	J	**0.000021**	**0.00010**	**mg/L**	1	09-Aug-2024 19:48
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 19:48
Pyrene	**0.000097**	J	**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 19:48
Surr: 2,4,6-Tribromophenol	*96.1*			*34-129*	*%REC*	*1*	*09-Aug-2024 19:48*
Surr: 2-Fluorobiphenyl	*84.8*			*40-125*	*%REC*	*1*	*09-Aug-2024 19:48*
Surr: 2-Fluorophenol	*66.7*			*20-120*	*%REC*	*1*	*09-Aug-2024 19:48*
Surr: 4-Terphenyl-d14	*93.3*			*40-135*	*%REC*	*1*	*09-Aug-2024 19:48*
Surr: Nitrobenzene-d5	*69.1*			*41-120*	*%REC*	*1*	*09-Aug-2024 19:48*
Surr: Phenol-d6	*76.6*			*20-120*	*%REC*	*1*	*09-Aug-2024 19:48*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.000418**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28A-20240730
Collection Date: 30-Jul-2024 08:50

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:28
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:28
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 07:28
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 07:28
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 07:28
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:28
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 07:28
Surr: 1,2-Dichloroethane-d4	*90.5*			*70-126*	*%REC*	*1*	*04-Aug-2024 07:28*
Surr: 4-Bromofluorobenzene	*98.2*			*77-113*	*%REC*	*1*	*04-Aug-2024 07:28*
Surr: Dibromofluoromethane	*93.9*			*77-123*	*%REC*	*1*	*04-Aug-2024 07:28*
Surr: Toluene-d8	*99.1*			*82-127*	*%REC*	*1*	*04-Aug-2024 07:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28A-20240730
Collection Date: 30-Jul-2024 08:50

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 20:34
2,4-Dimethylphenol	**0.000051**	J	**0.000040**	**0.00020**	**mg/L**	1	09-Aug-2024 20:34
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 20:34
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 20:34
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 20:34
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 20:34
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 20:34
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 20:34
Acenaphthene	**0.000049**	J	**0.000027**	**0.00010**	**mg/L**	1	09-Aug-2024 20:34
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 20:34
Anthracene	**0.000053**	J	**0.000014**	**0.00010**	**mg/L**	1	09-Aug-2024 20:34
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 20:34
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 20:34
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 20:34
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 20:34
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 20:34
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 20:34
Dibenzofuran	**0.000069**	J	**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 20:34
Fluoranthene	**0.000053**	J	**0.000010**	**0.00010**	**mg/L**	1	09-Aug-2024 20:34
Fluorene	**0.000055**	J	**0.000030**	**0.00010**	**mg/L**	1	09-Aug-2024 20:34
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 20:34
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 20:34
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 20:34
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 20:34
Phenanthrene	**0.00018**		**0.000021**	**0.00010**	**mg/L**	1	09-Aug-2024 20:34
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 20:34
Pyrene	**0.000037**	J	**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 20:34
Surr: 2,4,6-Tribromophenol	*103*			*34-129*	*%REC*	*1*	*09-Aug-2024 20:34*
Surr: 2-Fluorobiphenyl	*85.3*			*40-125*	*%REC*	*1*	*09-Aug-2024 20:34*
Surr: 2-Fluorophenol	*66.4*			*20-120*	*%REC*	*1*	*09-Aug-2024 20:34*
Surr: 4-Terphenyl-d14	*99.0*			*40-135*	*%REC*	*1*	*09-Aug-2024 20:34*
Surr: Nitrobenzene-d5	*68.1*			*41-120*	*%REC*	*1*	*09-Aug-2024 20:34*
Surr: Phenol-d6	*74.2*			*20-120*	*%REC*	*1*	*09-Aug-2024 20:34*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.000901**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28C-20240730
Collection Date: 30-Jul-2024 09:20

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 07:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 07:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 07:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 07:51
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 07:51
Surr: 1,2-Dichloroethane-d4	*89.8*			*70-126*	*%REC*	*1*	*04-Aug-2024 07:51*
Surr: 4-Bromofluorobenzene	*99.8*			*77-113*	*%REC*	*1*	*04-Aug-2024 07:51*
Surr: Dibromofluoromethane	*93.8*			*77-123*	*%REC*	*1*	*04-Aug-2024 07:51*
Surr: Toluene-d8	*97.9*			*82-127*	*%REC*	*1*	*04-Aug-2024 07:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28C-20240730
Collection Date: 30-Jul-2024 09:20

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 15:41
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2024 15:41
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2024 15:41
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2024 15:41
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2024 15:41
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 15:41
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2024 15:41
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2024 15:41
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2024 15:41
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2024 15:41
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2024 15:41
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2024 15:41
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:41
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2024 15:41
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2024 15:41
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2024 15:41
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2024 15:41
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2024 15:41
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2024 15:41
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2024 15:41
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2024 15:41
Naphthalene	**0.000045**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2024 15:41
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2024 15:41
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2024 15:41
Phenanthrene	**0.000048**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2024 15:41
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2024 15:41
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2024 15:41
Surr: 2,4,6-Tribromophenol	*6.96*	*S*		*34-129*	*%REC*	*1*	*02-Aug-2024 15:41*
Surr: 2-Fluorobiphenyl	*87.3*			*40-125*	*%REC*	*1*	*02-Aug-2024 15:41*
Surr: 2-Fluorophenol	*17.3*	*S*		*20-120*	*%REC*	*1*	*02-Aug-2024 15:41*
Surr: 4-Terphenyl-d14	*96.4*			*40-135*	*%REC*	*1*	*02-Aug-2024 15:41*
Surr: Nitrobenzene-d5	*58.9*			*41-120*	*%REC*	*1*	*02-Aug-2024 15:41*
Surr: Phenol-d6	*34.7*			*20-120*	*%REC*	*1*	*02-Aug-2024 15:41*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00115**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 21:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW91A-20240730
Collection Date: 30-Jul-2024 10:40

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:14
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:14
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 08:14
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 08:14
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 08:14
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:14
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 08:14
Surr: 1,2-Dichloroethane-d4	*94.2*			*70-126*	*%REC*	*1*	*04-Aug-2024 08:14*
Surr: 4-Bromofluorobenzene	*96.0*			*77-113*	*%REC*	*1*	*04-Aug-2024 08:14*
Surr: Dibromofluoromethane	*92.7*			*77-123*	*%REC*	*1*	*04-Aug-2024 08:14*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*04-Aug-2024 08:14*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW91A-20240730
Collection Date: 30-Jul-2024 10:40

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 21:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2024 21:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 21:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 21:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 21:20
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 21:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 21:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 21:20
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	09-Aug-2024 21:20
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 21:20
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2024 21:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 21:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 21:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 21:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 21:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 21:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 21:20
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 21:20
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	09-Aug-2024 21:20
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	09-Aug-2024 21:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 21:20
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 21:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 21:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 21:20
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 21:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 21:20
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 21:20
Surr: 2,4,6-Tribromophenol	*95.6*			*34-129*	*%REC*	*1*	*09-Aug-2024 21:20*
Surr: 2-Fluorobiphenyl	*84.7*			*40-125*	*%REC*	*1*	*09-Aug-2024 21:20*
Surr: 2-Fluorophenol	*67.1*			*20-120*	*%REC*	*1*	*09-Aug-2024 21:20*
Surr: 4-Terphenyl-d14	*99.5*			*40-135*	*%REC*	*1*	*09-Aug-2024 21:20*
Surr: Nitrobenzene-d5	*68.1*			*41-120*	*%REC*	*1*	*09-Aug-2024 21:20*
Surr: Phenol-d6	*74.6*			*20-120*	*%REC*	*1*	*09-Aug-2024 21:20*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.0113**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:40

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD03-20240730
Collection Date: 30-Jul-2024 10:45

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 08:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 08:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 08:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:37
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 08:37
Surr: 1,2-Dichloroethane-d4	*91.8*			*70-126*	*%REC*	*1*	*04-Aug-2024 08:37*
Surr: 4-Bromofluorobenzene	*100.0*			*77-113*	*%REC*	*1*	*04-Aug-2024 08:37*
Surr: Dibromofluoromethane	*94.4*			*77-123*	*%REC*	*1*	*04-Aug-2024 08:37*
Surr: Toluene-d8	*95.5*			*82-127*	*%REC*	*1*	*04-Aug-2024 08:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD03-20240730
Collection Date: 30-Jul-2024 10:45

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 20:57
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2024 20:57
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 20:57
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 20:57
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 20:57
2-Methylnaphthalene	**0.00070**		**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 20:57
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 20:57
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 20:57
Acenaphthene	**0.00017**		**0.000027**	**0.00010**	**mg/L**	1	09-Aug-2024 20:57
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 20:57
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2024 20:57
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 20:57
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 20:57
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 20:57
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 20:57
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 20:57
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 20:57
Dibenzofuran	**0.00019**		**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 20:57
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	09-Aug-2024 20:57
Fluorene	**0.000058**	J	**0.000030**	**0.00010**	**mg/L**	1	09-Aug-2024 20:57
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 20:57
Naphthalene	**0.013**		**0.00040**	**0.0020**	**mg/L**	20	08-Aug-2024 17:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 20:57
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 20:57
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 20:57
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 20:57
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 20:57
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*20*	*08-Aug-2024 17:20*
Surr: 2,4,6-Tribromophenol	*93.2*			*34-129*	*%REC*	*1*	*09-Aug-2024 20:57*
Surr: 2-Fluorobiphenyl	*81.1*			*40-125*	*%REC*	*1*	*09-Aug-2024 20:57*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20*	*08-Aug-2024 17:20*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*20*	*08-Aug-2024 17:20*
Surr: 2-Fluorophenol	*66.4*			*20-120*	*%REC*	*1*	*09-Aug-2024 20:57*
Surr: 4-Terphenyl-d14	*92.2*			*40-135*	*%REC*	*1*	*09-Aug-2024 20:57*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20*	*08-Aug-2024 17:20*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20*	*08-Aug-2024 17:20*
Surr: Nitrobenzene-d5	*66.6*			*41-120*	*%REC*	*1*	*09-Aug-2024 20:57*
Surr: Phenol-d6	*73.5*			*20-120*	*%REC*	*1*	*09-Aug-2024 20:57*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*20*	*08-Aug-2024 17:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD03-20240730
Collection Date: 30-Jul-2024 10:45

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.0111**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW67B-20240730
Collection Date: 30-Jul-2024 11:35

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-16
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:59
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:59
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 08:59
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 08:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 08:59
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 08:59
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 08:59
Surr: 1,2-Dichloroethane-d4	*98.0*			*70-126*	*%REC*	*1*	*04-Aug-2024 08:59*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*04-Aug-2024 08:59*
Surr: Dibromofluoromethane	*99.0*			*77-123*	*%REC*	*1*	*04-Aug-2024 08:59*
Surr: Toluene-d8	*96.9*			*82-127*	*%REC*	*1*	*04-Aug-2024 08:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW67B-20240730
Collection Date: 30-Jul-2024 11:35

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-16
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: IT
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 21:45
2,4-Dimethylphenol	**0.00014**	J	**0.000040**	**0.00020**	**mg/L**	1	08-Aug-2024 21:45
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	08-Aug-2024 21:45
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	08-Aug-2024 21:45
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 21:45
2-Methylnaphthalene	**0.00017**		**0.000019**	**0.00010**	**mg/L**	1	08-Aug-2024 21:45
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	08-Aug-2024 21:45
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	08-Aug-2024 21:45
Acenaphthene	**0.000048**	J	**0.000027**	**0.00010**	**mg/L**	1	08-Aug-2024 21:45
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	08-Aug-2024 21:45
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	08-Aug-2024 21:45
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	08-Aug-2024 21:45
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 21:45
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	08-Aug-2024 21:45
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	08-Aug-2024 21:45
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 21:45
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	08-Aug-2024 21:45
Dibenzofuran	**0.000059**	J	**0.000020**	**0.00010**	**mg/L**	1	08-Aug-2024 21:45
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	08-Aug-2024 21:45
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	08-Aug-2024 21:45
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	08-Aug-2024 21:45
Naphthalene	**0.0016**		**0.000020**	**0.00010**	**mg/L**	1	08-Aug-2024 21:45
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	08-Aug-2024 21:45
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	08-Aug-2024 21:45
Phenanthrene	**0.000047**	J	**0.000021**	**0.00010**	**mg/L**	1	08-Aug-2024 21:45
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	08-Aug-2024 21:45
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2024 21:45
Surr: 2,4,6-Tribromophenol	*66.8*			*34-129*	*%REC*	*1*	*08-Aug-2024 21:45*
Surr: 2-Fluorobiphenyl	*68.9*			*40-125*	*%REC*	*1*	*08-Aug-2024 21:45*
Surr: 2-Fluorophenol	*58.0*			*20-120*	*%REC*	*1*	*08-Aug-2024 21:45*
Surr: 4-Terphenyl-d14	*82.1*			*40-135*	*%REC*	*1*	*08-Aug-2024 21:45*
Surr: Nitrobenzene-d5	*63.6*			*41-120*	*%REC*	*1*	*08-Aug-2024 21:45*
Surr: Phenol-d6	*60.7*			*20-120*	*%REC*	*1*	*08-Aug-2024 21:45*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.00155**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 21:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB01-20240730
Collection Date: 30-Jul-2024 12:15

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-17
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 09:22
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 09:22
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 09:22
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 09:22
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 09:22
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 09:22
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 09:22
Surr: 1,2-Dichloroethane-d4	*91.6*			*70-126*	*%REC*	*1*	*04-Aug-2024 09:22*
Surr: 4-Bromofluorobenzene	*97.2*			*77-113*	*%REC*	*1*	*04-Aug-2024 09:22*
Surr: Dibromofluoromethane	*94.1*			*77-123*	*%REC*	*1*	*04-Aug-2024 09:22*
Surr: Toluene-d8	*98.4*			*82-127*	*%REC*	*1*	*04-Aug-2024 09:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW27A-20240730
Collection Date: 30-Jul-2024 14:30

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-18
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 09:45
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 09:45
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 09:45
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 09:45
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 09:45
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 09:45
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 09:45
Surr: 1,2-Dichloroethane-d4	*92.4*			*70-126*	*%REC*	*1*	*04-Aug-2024 09:45*
Surr: 4-Bromofluorobenzene	*99.8*			*77-113*	*%REC*	*1*	*04-Aug-2024 09:45*
Surr: Dibromofluoromethane	*97.1*			*77-123*	*%REC*	*1*	*04-Aug-2024 09:45*
Surr: Toluene-d8	*96.8*			*82-127*	*%REC*	*1*	*04-Aug-2024 09:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW27A-20240730
Collection Date: 30-Jul-2024 14:30

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-18
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: IT
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 22:53
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	08-Aug-2024 22:53
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	08-Aug-2024 22:53
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	08-Aug-2024 22:53
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 22:53
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2024 22:53
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	08-Aug-2024 22:53
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	08-Aug-2024 22:53
Acenaphthene	**0.000080**	J	**0.000027**	**0.00010**	**mg/L**	1	08-Aug-2024 22:53
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	08-Aug-2024 22:53
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	08-Aug-2024 22:53
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	08-Aug-2024 22:53
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 22:53
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	08-Aug-2024 22:53
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	08-Aug-2024 22:53
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 22:53
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	08-Aug-2024 22:53
Dibenzofuran	**0.00014**		**0.000020**	**0.00010**	**mg/L**	1	08-Aug-2024 22:53
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	08-Aug-2024 22:53
Fluorene	**0.000059**	J	**0.000030**	**0.00010**	**mg/L**	1	08-Aug-2024 22:53
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	08-Aug-2024 22:53
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 22:53
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	08-Aug-2024 22:53
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	08-Aug-2024 22:53
Phenanthrene	**0.000097**	J	**0.000021**	**0.00010**	**mg/L**	1	08-Aug-2024 22:53
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	08-Aug-2024 22:53
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2024 22:53
Surr: 2,4,6-Tribromophenol	*74.8*			*34-129*	*%REC*	*1*	*08-Aug-2024 22:53*
Surr: 2-Fluorobiphenyl	*71.2*			*40-125*	*%REC*	*1*	*08-Aug-2024 22:53*
Surr: 2-Fluorophenol	*59.5*			*20-120*	*%REC*	*1*	*08-Aug-2024 22:53*
Surr: 4-Terphenyl-d14	*86.0*			*40-135*	*%REC*	*1*	*08-Aug-2024 22:53*
Surr: Nitrobenzene-d5	*69.7*			*41-120*	*%REC*	*1*	*08-Aug-2024 22:53*
Surr: Phenol-d6	*64.6*			*20-120*	*%REC*	*1*	*08-Aug-2024 22:53*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.000855**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071816
Sample ID: WG-1620-MW53C-20240730
Lab ID:HS24071816-19
Collection Date: 30-Jul-2024 15:35
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 10:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 10:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 10:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2024 10:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2024 10:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2024 10:08
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	04-Aug-2024 10:08
Surr: 1,2-Dichloroethane-d4	*100*			*70-126*	*%REC*	*1*	*04-Aug-2024 10:08*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*04-Aug-2024 10:08*
Surr: Dibromofluoromethane	*99.4*			*77-123*	*%REC*	*1*	*04-Aug-2024 10:08*
Surr: Toluene-d8	*98.8*			*82-127*	*%REC*	*1*	*04-Aug-2024 10:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW53C-20240730
Collection Date: 30-Jul-2024 15:35

ANALYTICAL REPORT
WorkOrder:HS24071816
Lab ID:HS24071816-19
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: IT
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 23:15
2,4-Dimethylphenol	**0.0081**		**0.000040**	**0.00020**	**mg/L**	1	08-Aug-2024 23:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	08-Aug-2024 23:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	08-Aug-2024 23:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 23:15
2-Methylnaphthalene	**0.000061**	J	**0.000019**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	08-Aug-2024 23:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	08-Aug-2024 23:15
Acenaphthene	**0.00056**		**0.000027**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	08-Aug-2024 23:15
Anthracene	**0.00054**		**0.000014**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Benz(a)anthracene	**0.00014**		**0.000050**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 23:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	08-Aug-2024 23:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	08-Aug-2024 23:15
Chrysene	**0.00011**		**0.000021**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	08-Aug-2024 23:15
Dibenzofuran	**0.00066**		**0.000020**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Fluoranthene	**0.00085**		**0.000010**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Fluorene	**0.00077**		**0.000030**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	08-Aug-2024 23:15
Naphthalene	**0.000076**	J	**0.000020**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	08-Aug-2024 23:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	08-Aug-2024 23:15
Phenanthrene	**0.0022**		**0.000021**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	08-Aug-2024 23:15
Pyrene	**0.00058**		**0.000019**	**0.00010**	**mg/L**	1	08-Aug-2024 23:15
Surr: 2,4,6-Tribromophenol	*59.0*			*34-129*	*%REC*	*1*	*08-Aug-2024 23:15*
Surr: 2-Fluorobiphenyl	*56.0*			*40-125*	*%REC*	*1*	*08-Aug-2024 23:15*
Surr: 2-Fluorophenol	*48.5*			*20-120*	*%REC*	*1*	*08-Aug-2024 23:15*
Surr: 4-Terphenyl-d14	*74.7*			*40-135*	*%REC*	*1*	*08-Aug-2024 23:15*
Surr: Nitrobenzene-d5	*54.6*			*41-120*	*%REC*	*1*	*08-Aug-2024 23:15*
Surr: Phenol-d6	*51.4*			*20-120*	*%REC*	*1*	*08-Aug-2024 23:15*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: JC
Arsenic	**0.000927**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 22:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

Batch ID: 215619 **Start Date:** 01 Aug 2024 13:03 **End Date:** 01 Aug 2024 13:03
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071816-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 215638 **Start Date:** 01 Aug 2024 12:30 **End Date:** 01 Aug 2024 12:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071816-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-16		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-18		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071816-19		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215753 **Start Date:** 05 Aug 2024 14:11 **End Date:** 05 Aug 2024 14:11
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071816-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-18	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071816-19	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215619 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071816-01	WG-1620-MW33A-20240729	29 Jul 2024 08:35		01 Aug 2024 13:03	02 Aug 2024 19:34	1
HS24071816-02	WG-1620-MW70C-20240729	29 Jul 2024 09:20		01 Aug 2024 13:03	02 Aug 2024 21:30	1
HS24071816-03	WG-1620-MW70B-20240729	29 Jul 2024 10:00		01 Aug 2024 13:03	10 Aug 2024 00:01	5000
HS24071816-03	WG-1620-MW70B-20240729	29 Jul 2024 10:00		01 Aug 2024 13:03	08 Aug 2024 15:23	100
HS24071816-04	WG-1620-FD02-20240729	29 Jul 2024 08:40		01 Aug 2024 13:03	02 Aug 2024 21:53	1
HS24071816-05	WG-1620-MW33BR-20240729	29 Jul 2024 11:05		01 Aug 2024 13:03	09 Aug 2024 21:43	5
HS24071816-06	WG-1620-MW63B-20240729	29 Jul 2024 11:45		01 Aug 2024 13:03	10 Aug 2024 14:48	1000
HS24071816-06	WG-1620-MW63B-20240729	29 Jul 2024 11:45		01 Aug 2024 13:03	10 Aug 2024 00:24	20
HS24071816-07	WG-1620-MW68B-20240729	29 Jul 2024 13:05		01 Aug 2024 13:03	08 Aug 2024 16:10	10
HS24071816-08	WG-1620-MW68A-20240729	29 Jul 2024 14:05		01 Aug 2024 13:03	09 Aug 2024 19:25	1
HS24071816-09	WG-1620-MW84A-20240729	29 Jul 2024 15:10		01 Aug 2024 13:03	09 Aug 2024 20:11	1
HS24071816-10	WG-1620-MW71B-20240729	29 Jul 2024 16:10		01 Aug 2024 13:03	09 Aug 2024 22:06	5
HS24071816-11	WG-1620-MW87C-20240730	30 Jul 2024 07:50		01 Aug 2024 13:03	09 Aug 2024 19:48	1
HS24071816-12	WG-1620-MW28A-20240730	30 Jul 2024 08:50		01 Aug 2024 13:03	09 Aug 2024 20:34	1
HS24071816-13	WG-1620-MW28C-20240730	30 Jul 2024 09:20		01 Aug 2024 13:03	02 Aug 2024 15:41	1
HS24071816-14	WG-1620-MW91A-20240730	30 Jul 2024 10:40		01 Aug 2024 13:03	09 Aug 2024 21:20	1
HS24071816-15	WG-1620-FD03-20240730	30 Jul 2024 10:45		01 Aug 2024 13:03	09 Aug 2024 20:57	1
HS24071816-15	WG-1620-FD03-20240730	30 Jul 2024 10:45		01 Aug 2024 13:03	08 Aug 2024 17:20	20
Batch ID: 215638 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24071816-01	WG-1620-MW33A-20240729	29 Jul 2024 08:35		01 Aug 2024 12:30	01 Aug 2024 22:06	1
HS24071816-02	WG-1620-MW70C-20240729	29 Jul 2024 09:20		01 Aug 2024 12:30	01 Aug 2024 22:09	1
HS24071816-03	WG-1620-MW70B-20240729	29 Jul 2024 10:00		01 Aug 2024 12:30	01 Aug 2024 22:11	1
HS24071816-04	WG-1620-FD02-20240729	29 Jul 2024 08:40		01 Aug 2024 12:30	01 Aug 2024 22:13	1
HS24071816-05	WG-1620-MW33BR-20240729	29 Jul 2024 11:05		01 Aug 2024 12:30	01 Aug 2024 22:16	1
HS24071816-06	WG-1620-MW63B-20240729	29 Jul 2024 11:45		01 Aug 2024 12:30	01 Aug 2024 22:18	1
HS24071816-07	WG-1620-MW68B-20240729	29 Jul 2024 13:05		01 Aug 2024 12:30	01 Aug 2024 22:21	1
HS24071816-08	WG-1620-MW68A-20240729	29 Jul 2024 14:05		01 Aug 2024 12:30	01 Aug 2024 22:23	1
HS24071816-09	WG-1620-MW84A-20240729	29 Jul 2024 15:10		01 Aug 2024 12:30	01 Aug 2024 22:25	1
HS24071816-10	WG-1620-MW71B-20240729	29 Jul 2024 16:10		01 Aug 2024 12:30	01 Aug 2024 22:28	1
HS24071816-11	WG-1620-MW87C-20240730	30 Jul 2024 07:50		01 Aug 2024 12:30	01 Aug 2024 22:35	1
HS24071816-12	WG-1620-MW28A-20240730	30 Jul 2024 08:50		01 Aug 2024 12:30	01 Aug 2024 22:37	1
HS24071816-13	WG-1620-MW28C-20240730	30 Jul 2024 09:20		01 Aug 2024 12:30	01 Aug 2024 21:32	1
HS24071816-14	WG-1620-MW91A-20240730	30 Jul 2024 10:40		01 Aug 2024 12:30	01 Aug 2024 22:40	1
HS24071816-15	WG-1620-FD03-20240730	30 Jul 2024 10:45		01 Aug 2024 12:30	01 Aug 2024 22:42	1
HS24071816-16	WG-1620-MW67B-20240730	30 Jul 2024 11:35		01 Aug 2024 12:30	01 Aug 2024 21:44	1
HS24071816-18	WG-1620-MW27A-20240730	30 Jul 2024 14:30		01 Aug 2024 12:30	01 Aug 2024 22:45	1
HS24071816-19	WG-1620-MW53C-20240730	30 Jul 2024 15:35		01 Aug 2024 12:30	01 Aug 2024 22:47	1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215753 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071816-16	WG-1620-MW67B-20240730	30 Jul 2024 11:35		05 Aug 2024 14:11	08 Aug 2024 21:45	1
HS24071816-18	WG-1620-MW27A-20240730	30 Jul 2024 14:30		05 Aug 2024 14:11	08 Aug 2024 22:53	1
HS24071816-19	WG-1620-MW53C-20240730	30 Jul 2024 15:35		05 Aug 2024 14:11	08 Aug 2024 23:15	1
Batch ID: R473671 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24071816-17	WG-1620-TB01-20240730	30 Jul 2024 12:15			04 Aug 2024 09:22	1
Batch ID: R473671 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071816-01	WG-1620-MW33A-20240729	29 Jul 2024 08:35			04 Aug 2024 03:18	1
HS24071816-02	WG-1620-MW70C-20240729	29 Jul 2024 09:20			04 Aug 2024 03:40	1
HS24071816-04	WG-1620-FD02-20240729	29 Jul 2024 08:40			04 Aug 2024 04:26	1
HS24071816-05	WG-1620-MW33BR-20240729	29 Jul 2024 11:05			04 Aug 2024 04:49	1
HS24071816-06	WG-1620-MW63B-20240729	29 Jul 2024 11:45			04 Aug 2024 05:12	1
HS24071816-07	WG-1620-MW68B-20240729	29 Jul 2024 13:05			04 Aug 2024 05:34	1
HS24071816-08	WG-1620-MW68A-20240729	29 Jul 2024 14:05			04 Aug 2024 05:57	1
HS24071816-09	WG-1620-MW84A-20240729	29 Jul 2024 15:10			04 Aug 2024 06:20	1
HS24071816-10	WG-1620-MW71B-20240729	29 Jul 2024 16:10			04 Aug 2024 06:43	1
HS24071816-11	WG-1620-MW87C-20240730	30 Jul 2024 07:50			04 Aug 2024 07:05	1
HS24071816-12	WG-1620-MW28A-20240730	30 Jul 2024 08:50			04 Aug 2024 07:28	1
HS24071816-13	WG-1620-MW28C-20240730	30 Jul 2024 09:20			04 Aug 2024 07:51	1
HS24071816-14	WG-1620-MW91A-20240730	30 Jul 2024 10:40			04 Aug 2024 08:14	1
HS24071816-15	WG-1620-FD03-20240730	30 Jul 2024 10:45			04 Aug 2024 08:37	1
HS24071816-16	WG-1620-MW67B-20240730	30 Jul 2024 11:35			04 Aug 2024 08:59	1
HS24071816-18	WG-1620-MW27A-20240730	30 Jul 2024 14:30			04 Aug 2024 09:45	1
HS24071816-19	WG-1620-MW53C-20240730	30 Jul 2024 15:35			04 Aug 2024 10:08	1
Batch ID: R474368 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071816-03	WG-1620-MW70B-20240729	29 Jul 2024 10:00			12 Aug 2024 16:27	1000

WorkOrder: HS24071816
InstrumentID: ICPMS07
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.0100	0.00965	0.000400	0.00200

WorkOrder: HS24071816
InstrumentID: SV-8
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000055	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000047	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000044	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000045	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000061	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000060	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00035	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000046	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.00014	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.00014	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.00014	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.00014	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.00012	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000059	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000048	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.00016	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000055	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.00014	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.00014	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000056	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.00014	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000069	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000050	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.00014	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000061	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.00014	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071816
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.000050	0.000079	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.000050	0.000058	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.000050	0.000078	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.000050	0.000086	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.000050	0.000091	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000089	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.000050	0.00018	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.000050	0.000079	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000088	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000092	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000090	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000090	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000076	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.000050	0.000092	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.000050	0.000077	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000090	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.000050	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000088	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.000091	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000088	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.000050	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.000091	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.000050	0.000088	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.000050	0.0000066	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000092	0.000021	0.00010
A	Phenol	108-95-2	0.000050	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000090	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071816
InstrumentID: VOA4
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.0011	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00057	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00056	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00016	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.0019	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00059	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0016	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

WorkOrder: HS24071816
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00047	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00049	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00041	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00050	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00047	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0014	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215638 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215638** Units: **mg/L** Analysis Date: **01-Aug-2024 21:28**
Client ID: Run ID: **ICPMS07_473456** SeqNo: **8171518** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215638** Units: **mg/L** Analysis Date: **01-Aug-2024 21:30**
Client ID: Run ID: **ICPMS07_473456** SeqNo: **8171519** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04552	0.00200	0.05	0	91.0	80 - 120				

MS Sample ID: **HS24071816-16MS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:54**
Client ID: **WG-1620-MW67B-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171529** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04804	0.00200	0.05	0.001547	93.0	80 - 120				

MS Sample ID: **HS24071816-13MS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:37**
Client ID: **WG-1620-MW28C-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171522** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04622	0.00200	0.05	0.001152	90.1	80 - 120				

MSD Sample ID: **HS24071816-16MSD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:56**
Client ID: **WG-1620-MW67B-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171530** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04778	0.00200	0.05	0.001547	92.5	80 - 120	0.04804	0.551	20	

MSD Sample ID: **HS24071816-13MSD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:40**
Client ID: **WG-1620-MW28C-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171523** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04604	0.00200	0.05	0.001152	89.8	80 - 120	0.04622	0.401	20	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215638 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

PDS Sample ID: **HS24071816-16PDS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:59**
Client ID: **WG-1620-MW67B-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171534** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.08757	0.00200	0.1	0.001547	86.0	75 - 125				

PDS Sample ID: **HS24071816-13PDS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:42**
Client ID: **WG-1620-MW28C-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171524** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09342	0.00200	0.1	0.001152	92.3	75 - 125				

SD Sample ID: **HS24071816-16SD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:47**
Client ID: **WG-1620-MW67B-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171526** PrepDate: **01-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.001547	0	10	

SD Sample ID: **HS24071816-13SD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:35**
Client ID: **WG-1620-MW28C-20240730** Run ID: **ICPMS07_473456** SeqNo: **8171521** PrepDate: **01-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.001152	0	10	

The following samples were analyzed in this batch:

HS24071816-01	HS24071816-02	HS24071816-03	HS24071816-04
HS24071816-05	HS24071816-06	HS24071816-07	HS24071816-08
HS24071816-09	HS24071816-10	HS24071816-11	HS24071816-12
HS24071816-13	HS24071816-14	HS24071816-15	HS24071816-16
HS24071816-18	HS24071816-19		

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215619 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215619** Units: **ug/L** Analysis Date: **02-Aug-2024 14:10**
Client ID: Run ID: **SV-8_473641** SeqNo: **8174583** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*4.414*	*0.20*	*5*	*0*	*88.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.422*	*0.20*	*5*	*0*	*88.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.866*	*0.20*	*5*	*0*	*77.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.54*	*0.20*	*5*	*0*	*90.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.717*	*0.20*	*5*	*0*	*74.3*	*41 - 120*				
Surr: Phenol-d6	*4.13*	*0.20*	*5*	*0*	*82.6*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215619 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215619** Units: **ug/L** Analysis Date: **02-Aug-2024 15:18**
Client ID: Run ID: **SV-8_473641** SeqNo: **8174585** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.087	0.20	5	0	81.7	39 - 127				
2,4-Dimethylphenol	3.912	0.20	5	0	78.2	35 - 120				
2,4-Dinitrotoluene	4.815	0.20	5	0	96.3	50 - 122				
2,6-Dinitrotoluene	4.718	0.20	5	0	94.4	50 - 120				
2-Chloronaphthalene	5.118	0.20	5	0	102	50 - 120				
2-Methylnaphthalene	4.391	0.10	5	0	87.8	50 - 120				
4,6-Dinitro-2-methylphenol	4.552	1.0	5	0	91.0	25 - 121				
4-Nitrophenol	3.905	1.0	5	0	78.1	30 - 130				
Acenaphthene	4.124	0.10	5	0	82.5	45 - 120				
Acenaphthylene	4.166	0.10	5	0	83.3	47 - 120				
Anthracene	4.231	0.10	5	0	84.6	45 - 120				
Benz(a)anthracene	4.286	0.10	5	0	85.7	40 - 120				
Benzo(a)pyrene	4.278	0.10	5	0	85.6	45 - 120				
Bis(2-chloroethoxy)methane	3.977	0.20	5	0	79.5	45 - 120				
Bis(2-ethylhexyl)phthalate	4.631	0.20	5	0	92.6	40 - 139				
Chrysene	4.343	0.10	5	0	86.9	43 - 120				
Dibenzofuran	4.29	0.10	5	0	85.8	50 - 120				
Di-n-butyl phthalate	4.644	0.20	5	0	92.9	45 - 123				
Fluoranthene	4.285	0.10	5	0	85.7	45 - 125				
Fluorene	4.392	0.10	5	0	87.8	49 - 120				
Naphthalene	4.053	0.10	5	0	81.1	45 - 120				
Nitrobenzene	3.791	0.20	5	0	75.8	44 - 120				
N-Nitrosodiphenylamine	4.423	0.20	5	0	88.5	40 - 125				
Pentachlorophenol	4.531	0.20	5	0	90.6	19 - 121				
Phenanthrene	4.133	0.10	5	0	82.7	45 - 121				
Phenol	4.071	0.20	5	0	81.4	20 - 124				
Pyrene	4.128	0.10	5	0	82.6	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.497*	*0.20*	*5*	*0*	*110*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.919*	*0.20*	*5*	*0*	*98.4*	*40 - 125*				
Surr: 2-Fluorophenol	*4.306*	*0.20*	*5*	*0*	*86.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.093*	*0.20*	*5*	*0*	*102*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.027*	*0.20*	*5*	*0*	*80.5*	*41 - 120*				
Surr: Phenol-d6	*4.641*	*0.20*	*5*	*0*	*92.8*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215619 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24071816-13MS** Units: **ug/L** Analysis Date: **02-Aug-2024 16:04**
Client ID: **WG-1620-MW28C-20240730** Run ID: **SV-8_473641** SeqNo: **8174587** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.29	0.20	5	0	65.8	39 - 127				
2,4-Dimethylphenol	2.875	0.20	5	0	57.5	35 - 120				
2,4-Dinitrotoluene	3.728	0.20	5	0	74.6	50 - 122				
2,6-Dinitrotoluene	3.911	0.20	5	0	78.2	50 - 120				
2-Chloronaphthalene	3.973	0.20	5	0	79.5	50 - 120				
2-Methylnaphthalene	3.562	0.10	5	0	71.2	50 - 120				
4,6-Dinitro-2-methylphenol	0.1608	1.0	5	0	3.22	25 - 121				JS
4-Nitrophenol	0.4007	1.0	5	0	8.01	30 - 130				JS
Acenaphthene	3.374	0.10	5	0	67.5	45 - 120				
Acenaphthylene	3.399	0.10	5	0	68.0	47 - 120				
Anthracene	3.684	0.10	5	0	73.7	45 - 120				
Benz(a)anthracene	3.922	0.10	5	0	78.4	40 - 120				
Benzo(a)pyrene	3.935	0.10	5	0	78.7	45 - 120				
Bis(2-chloroethoxy)methane	3.173	0.20	5	0	63.5	45 - 120				
Bis(2-ethylhexyl)phthalate	4.133	0.20	5	0	82.7	40 - 139				
Chrysene	3.914	0.10	5	0	78.3	43 - 120				
Dibenzofuran	3.524	0.10	5	0	70.5	50 - 120				
Di-n-butyl phthalate	3.994	0.20	5	0	79.9	45 - 123				
Fluoranthene	3.805	0.10	5	0	76.1	45 - 125				
Fluorene	3.581	0.10	5	0	71.6	49 - 120				
Naphthalene	3.335	0.10	5	0.04455	65.8	45 - 120				
Nitrobenzene	3.026	0.20	5	0	60.5	44 - 120				
N-Nitrosodiphenylamine	3.659	0.20	5	0	73.2	40 - 125				
Pentachlorophenol	0.09762	0.20	5	0	1.95	19 - 121				JS
Phenanthrene	3.53	0.10	5	0.04763	69.6	45 - 121				
Phenol	3.174	0.20	5	0	63.5	20 - 124				
Pyrene	3.767	0.10	5	0	75.3	40 - 130				
Surr: 2,4,6-Tribromophenol	*0.7647*	*0.20*	*5*	*0*	*15.3*	*34 - 129*				S
Surr: 2-Fluorobiphenyl	*3.603*	*0.20*	*5*	*0*	*72.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.015*	*0.20*	*5*	*0*	*60.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.201*	*0.20*	*5*	*0*	*84.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.952*	*0.20*	*5*	*0*	*59.0*	*41 - 120*				
Surr: Phenol-d6	*3.272*	*0.20*	*5*	*0*	*65.4*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215619 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24071816-13MSD** Units: **ug/L** Analysis Date: **02-Aug-2024 16:28**
Client ID: **WG-1620-MW28C-20240730** Run ID: **SV-8_473641** SeqNo: **8174588** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.04	0.20	5	0	80.8	39 - 127	3.29	20.5	20	R
2,4-Dimethylphenol	2.77	0.20	5	0	55.4	35 - 120	2.875	3.72	20	
2,4-Dinitrotoluene	0.8617	0.20	5	0	17.2	50 - 122	3.728	125	20	SR
2,6-Dinitrotoluene	2.518	0.20	5	0	50.4	50 - 120	3.911	43.3	20	R
2-Chloronaphthalene	5.058	0.20	5	0	101	50 - 120	3.973	24	20	R
2-Methylnaphthalene	4.223	0.10	5	0	84.5	50 - 120	3.562	17	20	
4,6-Dinitro-2-methylphenol	0.1532	1.0	5	0	3.06	25 - 121	0.1608	0	30	JS
4-Nitrophenol	0.1052	1.0	5	0	2.10	30 - 130	0.4007	0	20	JS
Acenaphthene	3.948	0.10	5	0	79.0	45 - 120	3.374	15.7	20	
Acenaphthylene	4.043	0.10	5	0	80.9	47 - 120	3.399	17.3	20	
Anthracene	4.35	0.10	5	0	87.0	45 - 120	3.684	16.6	20	
Benz(a)anthracene	4.427	0.10	5	0	88.5	40 - 120	3.922	12.1	20	
Benzo(a)pyrene	4.651	0.10	5	0	93.0	45 - 120	3.935	16.7	20	
Bis(2-chloroethoxy)methane	3.72	0.20	5	0	74.4	45 - 120	3.173	15.9	20	
Bis(2-ethylhexyl)phthalate	2.421	0.20	5	0	48.4	40 - 139	4.133	52.2	20	R
Chrysene	4.426	0.10	5	0	88.5	43 - 120	3.914	12.3	20	
Dibenzofuran	4.243	0.10	5	0	84.9	50 - 120	3.524	18.5	20	
Di-n-butyl phthalate	3.085	0.20	5	0	61.7	45 - 123	3.994	25.7	20	R
Fluoranthene	4.566	0.10	5	0	91.3	45 - 125	3.805	18.2	20	
Fluorene	4.207	0.10	5	0	84.1	49 - 120	3.581	16.1	20	
Naphthalene	3.822	0.10	5	0.04455	75.5	45 - 120	3.335	13.6	20	
Nitrobenzene	3.447	0.20	5	0	68.9	44 - 120	3.026	13	20	
N-Nitrosodiphenylamine	4.355	0.20	5	0	87.1	40 - 125	3.659	17.4	20	
Pentachlorophenol	< 0.079	0.20	5	0	0	19 - 121	0.09762	0	20	S
Phenanthrene	4.246	0.10	5	0.04763	84.0	45 - 121	3.53	18.4	20	
Phenol	4.034	0.20	5	0	80.7	20 - 124	3.174	23.9	20	R
Pyrene	4.268	0.10	5	0	85.4	40 - 130	3.767	12.5	20	
Surr: 2,4,6-Tribromophenol	*0.01136*	*0.20*	*5*	*0*	*0.227*	*34 - 129*	*0.7647*	*0*	*20*	JS
Surr: 2-Fluorobiphenyl	*4.333*	*0.20*	*5*	*0*	*86.7*	*40 - 125*	*3.603*	*18.4*	*20*	
Surr: 2-Fluorophenol	*0.6434*	*0.20*	*5*	*0*	*12.9*	*20 - 120*	*3.015*	*130*	*20*	SR
Surr: 4-Terphenyl-d14	*4.741*	*0.20*	*5*	*0*	*94.8*	*40 - 135*	*4.201*	*12.1*	*20*	
Surr: Nitrobenzene-d5	*3.59*	*0.20*	*5*	*0*	*71.8*	*41 - 120*	*2.952*	*19.5*	*20*	
Surr: Phenol-d6	*4.045*	*0.20*	*5*	*0*	*80.9*	*20 - 120*	*3.272*	*21.1*	*20*	R

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215619 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24071816-01	HS24071816-02	HS24071816-03	HS24071816-04
HS24071816-05	HS24071816-06	HS24071816-07	HS24071816-08
HS24071816-09	HS24071816-10	HS24071816-11	HS24071816-12
HS24071816-13	HS24071816-14	HS24071816-15	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215753** Units: **ug/L** Analysis Date: **08-Aug-2024 19:07**
Client ID: Run ID: **SV-10_474201** SeqNo: **8186169** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.176*	*0.20*	*5*	*0*	*63.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.682*	*0.20*	*5*	*0*	*73.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.319*	*0.20*	*5*	*0*	*66.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.248*	*0.20*	*5*	*0*	*85.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.621*	*0.20*	*5*	*0*	*72.4*	*41 - 120*				
Surr: Phenol-d6	*3.528*	*0.20*	*5*	*0*	*70.6*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215753** Units: **ug/L** Analysis Date: **12-Aug-2024 13:35**
Client ID: Run ID: **SV-10_474488** SeqNo: **8192036** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.677	0.20	5	0	73.5	39 - 127				
2,4-Dimethylphenol	3.929	0.20	5	0	78.6	35 - 120				
2,4-Dinitrotoluene	3.754	0.20	5	0	75.1	50 - 122				
2,6-Dinitrotoluene	4.014	0.20	5	0	80.3	50 - 120				
2-Chloronaphthalene	3.911	0.20	5	0	78.2	50 - 120				
2-Methylnaphthalene	3.786	0.10	5	0	75.7	50 - 120				
4,6-Dinitro-2-methylphenol	3.747	1.0	5	0	74.9	25 - 121				
4-Nitrophenol	2.555	1.0	5	0	51.1	30 - 130				
Acenaphthene	3.428	0.10	5	0	68.6	45 - 120				
Acenaphthylene	3.537	0.10	5	0	70.7	47 - 120				
Anthracene	3.565	0.10	5	0	71.3	45 - 120				
Benz(a)anthracene	3.98	0.10	5	0	79.6	40 - 120				
Benzo(a)pyrene	4.082	0.10	5	0	81.6	45 - 120				
Bis(2-chloroethoxy)methane	3.888	0.20	5	0	77.8	45 - 120				
Bis(2-ethylhexyl)phthalate	3.919	0.20	5	0	78.4	40 - 139				
Chrysene	3.753	0.10	5	0	75.1	43 - 120				
Dibenzofuran	3.582	0.10	5	0	71.6	50 - 120				
Di-n-butyl phthalate	4.032	0.20	5	0	80.6	45 - 123				
Fluoranthene	3.781	0.10	5	0	75.6	45 - 125				
Fluorene	3.517	0.10	5	0	70.3	49 - 120				
Naphthalene	3.571	0.10	5	0	71.4	45 - 120				
Nitrobenzene	3.494	0.20	5	0	69.9	44 - 120				
N-Nitrosodiphenylamine	3.836	0.20	5	0	76.7	40 - 125				
Pentachlorophenol	4.175	0.20	5	0	83.5	19 - 121				
Phenanthrene	3.416	0.10	5	0	68.3	45 - 121				
Phenol	4.024	0.20	5	0	80.5	20 - 124				
Pyrene	3.615	0.10	5	0	72.3	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.838*	*0.20*	*5*	*0*	*96.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.749*	*0.20*	*5*	*0*	*75.0*	*40 - 125*				
Surr: 2-Fluorophenol	*3.922*	*0.20*	*5*	*0*	*78.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.397*	*0.20*	*5*	*0*	*87.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.702*	*0.20*	*5*	*0*	*74.0*	*41 - 120*				
Surr: Phenol-d6	*4.189*	*0.20*	*5*	*0*	*83.8*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215753** Units: **ug/L** Analysis Date: **12-Aug-2024 13:13**
Client ID: Run ID: **SV-10_474488** SeqNo: **8192035** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.693	0.20	5	0	73.9	39 - 127	3.677	0.446	20	
2,4-Dimethylphenol	3.436	0.20	5	0	68.7	35 - 120	3.929	13.4	20	
2,4-Dinitrotoluene	3.77	0.20	5	0	75.4	50 - 122	3.754	0.432	20	
2,6-Dinitrotoluene	4.154	0.20	5	0	83.1	50 - 120	4.014	3.44	20	
2-Chloronaphthalene	3.972	0.20	5	0	79.4	50 - 120	3.911	1.55	20	
2-Methylnaphthalene	3.807	0.10	5	0	76.1	50 - 120	3.786	0.537	20	
4,6-Dinitro-2-methylphenol	3.8	1.0	5	0	76.0	25 - 121	3.747	1.42	30	
4-Nitrophenol	2.613	1.0	5	0	52.3	30 - 130	2.555	2.26	20	
Acenaphthene	3.488	0.10	5	0	69.8	45 - 120	3.428	1.76	20	
Acenaphthylene	3.606	0.10	5	0	72.1	47 - 120	3.537	1.91	20	
Anthracene	3.592	0.10	5	0	71.8	45 - 120	3.565	0.746	20	
Benz(a)anthracene	4.029	0.10	5	0	80.6	40 - 120	3.98	1.22	20	
Benzo(a)pyrene	4.129	0.10	5	0	82.6	45 - 120	4.082	1.14	20	
Bis(2-chloroethoxy)methane	3.859	0.20	5	0	77.2	45 - 120	3.888	0.748	20	
Bis(2-ethylhexyl)phthalate	3.957	0.20	5	0	79.1	40 - 139	3.919	0.952	20	
Chrysene	3.771	0.10	5	0	75.4	43 - 120	3.753	0.472	20	
Dibenzofuran	3.63	0.10	5	0	72.6	50 - 120	3.582	1.34	20	
Di-n-butyl phthalate	3.979	0.20	5	0	79.6	45 - 123	4.032	1.32	20	
Fluoranthene	3.826	0.10	5	0	76.5	45 - 125	3.781	1.18	20	
Fluorene	3.576	0.10	5	0	71.5	49 - 120	3.517	1.67	20	
Naphthalene	3.531	0.10	5	0	70.6	45 - 120	3.571	1.12	20	
Nitrobenzene	3.475	0.20	5	0	69.5	44 - 120	3.494	0.552	20	
N-Nitrosodiphenylamine	3.849	0.20	5	0	77.0	40 - 125	3.836	0.318	20	
Pentachlorophenol	4.259	0.20	5	0	85.2	19 - 121	4.175	2.01	20	
Phenanthrene	3.51	0.10	5	0	70.2	45 - 121	3.416	2.73	20	
Phenol	3.996	0.20	5	0	79.9	20 - 124	4.024	0.688	20	
Pyrene	3.621	0.10	5	0	72.4	40 - 130	3.615	0.143	20	
Surr: 2,4,6-Tribromophenol	*4.836*	*0.20*	*5*	*0*	*96.7*	*34 - 129*	*4.838*	*0.0377*	*20*	
Surr: 2-Fluorobiphenyl	*3.847*	*0.20*	*5*	*0*	*76.9*	*40 - 125*	*3.749*	*2.59*	*20*	
Surr: 2-Fluorophenol	*3.872*	*0.20*	*5*	*0*	*77.4*	*20 - 120*	*3.922*	*1.29*	*20*	
Surr: 4-Terphenyl-d14	*4.367*	*0.20*	*5*	*0*	*87.3*	*40 - 135*	*4.397*	*0.676*	*20*	
Surr: Nitrobenzene-d5	*3.897*	*0.20*	*5*	*0*	*77.9*	*41 - 120*	*3.702*	*5.15*	*20*	
Surr: Phenol-d6	*4.159*	*0.20*	*5*	*0*	*83.2*	*20 - 120*	*4.189*	*0.729*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24071816-16MS** Units: **ug/L** Analysis Date: **08-Aug-2024 22:07**
Client ID: **WG-1620-MW67B-20240730** Run ID: **SV-10_474201** SeqNo: **8186173** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.454	0.20	5	0	69.1	39 - 127				
2,4-Dimethylphenol	3.015	0.20	5	0.1378	57.5	35 - 120				
2,4-Dinitrotoluene	3.587	0.20	5	0	71.7	50 - 122				
2,6-Dinitrotoluene	3.961	0.20	5	0	79.2	50 - 120				
2-Chloronaphthalene	3.751	0.20	5	0	75.0	50 - 120				
2-Methylnaphthalene	3.573	0.10	5	0.1678	68.1	50 - 120				
4,6-Dinitro-2-methylphenol	2.912	1.0	5	0	58.2	25 - 121				
4-Nitrophenol	3.228	1.0	5	0	64.6	30 - 130				
Acenaphthene	3.26	0.10	5	0.04798	64.2	45 - 120				
Acenaphthylene	3.305	0.10	5	0	66.1	47 - 120				
Anthracene	3.476	0.10	5	0	69.5	45 - 120				
Benz(a)anthracene	3.89	0.10	5	0	77.8	40 - 120				
Benzo(a)pyrene	3.996	0.10	5	0	79.9	45 - 120				
Bis(2-chloroethoxy)methane	3.113	0.20	5	0	62.3	45 - 120				
Bis(2-ethylhexyl)phthalate	4.67	0.20	5	0	93.4	40 - 139				
Chrysene	3.679	0.10	5	0	73.6	43 - 120				
Dibenzofuran	3.372	0.10	5	0.05918	66.3	50 - 120				
Di-n-butyl phthalate	4.063	0.20	5	0	81.3	45 - 123				
Fluoranthene	3.618	0.10	5	0	72.4	45 - 125				
Fluorene	3.452	0.10	5	0	69.0	49 - 120				
Naphthalene	4.612	0.10	5	1.639	59.5	45 - 120				
Nitrobenzene	3.125	0.20	5	0	62.5	44 - 120				
N-Nitrosodiphenylamine	3.625	0.20	5	0	72.5	40 - 125				
Pentachlorophenol	3.994	0.20	5	0	79.9	19 - 121				
Phenanthrene	3.37	0.10	5	0.04671	66.5	45 - 121				
Phenol	3.062	0.20	5	0	61.2	20 - 124				
Pyrene	3.81	0.10	5	0	76.2	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.438*	*0.20*	*5*	*0*	*68.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.503*	*0.20*	*5*	*0*	*70.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.078*	*0.20*	*5*	*0*	*61.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.358*	*0.20*	*5*	*0*	*87.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.469*	*0.20*	*5*	*0*	*69.4*	*41 - 120*				
Surr: Phenol-d6	*3.261*	*0.20*	*5*	*0*	*65.2*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24071816-16MSD** Units: **ug/L** Analysis Date: **08-Aug-2024 22:30**
Client ID: **WG-1620-MW67B-20240730** Run ID: **SV-10_474201** SeqNo: **8186174** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.438	0.20	5	0	68.8	39 - 127	3.454	0.456	20	
2,4-Dimethylphenol	3.235	0.20	5	0.1378	62.0	35 - 120	3.015	7.06	20	
2,4-Dinitrotoluene	3.617	0.20	5	0	72.3	50 - 122	3.587	0.854	20	
2,6-Dinitrotoluene	3.991	0.20	5	0	79.8	50 - 120	3.961	0.753	20	
2-Chloronaphthalene	3.685	0.20	5	0	73.7	50 - 120	3.751	1.79	20	
2-Methylnaphthalene	3.71	0.10	5	0.1678	70.8	50 - 120	3.573	3.76	20	
4,6-Dinitro-2-methylphenol	3.234	1.0	5	0	64.7	25 - 121	2.912	10.5	30	
4-Nitrophenol	3.366	1.0	5	0	67.3	30 - 130	3.228	4.18	20	
Acenaphthene	3.267	0.10	5	0.04798	64.4	45 - 120	3.26	0.224	20	
Acenaphthylene	3.291	0.10	5	0	65.8	47 - 120	3.305	0.406	20	
Anthracene	3.562	0.10	5	0	71.2	45 - 120	3.476	2.44	20	
Benz(a)anthracene	3.991	0.10	5	0	79.8	40 - 120	3.89	2.58	20	
Benzo(a)pyrene	3.837	0.10	5	0	76.7	45 - 120	3.996	4.06	20	
Bis(2-chloroethoxy)methane	3.166	0.20	5	0	63.3	45 - 120	3.113	1.68	20	
Bis(2-ethylhexyl)phthalate	4.652	0.20	5	0	93.0	40 - 139	4.67	0.376	20	
Chrysene	3.69	0.10	5	0	73.8	43 - 120	3.679	0.282	20	
Dibenzofuran	3.326	0.10	5	0.05918	65.3	50 - 120	3.372	1.36	20	
Di-n-butyl phthalate	4.08	0.20	5	0	81.6	45 - 123	4.063	0.427	20	
Fluoranthene	3.732	0.10	5	0	74.6	45 - 125	3.618	3.1	20	
Fluorene	3.377	0.10	5	0	67.5	49 - 120	3.452	2.18	20	
Naphthalene	4.802	0.10	5	1.639	63.3	45 - 120	4.612	4.03	20	
Nitrobenzene	3.17	0.20	5	0	63.4	44 - 120	3.125	1.44	20	
N-Nitrosodiphenylamine	3.567	0.20	5	0	71.3	40 - 125	3.625	1.61	20	
Pentachlorophenol	4.275	0.20	5	0	85.5	19 - 121	3.994	6.8	20	
Phenanthrene	3.438	0.10	5	0.04671	67.8	45 - 121	3.37	1.98	20	
Phenol	3.097	0.20	5	0	61.9	20 - 124	3.062	1.13	20	
Pyrene	3.722	0.10	5	0	74.4	40 - 130	3.81	2.32	20	
Surr: 2,4,6-Tribromophenol	*3.471*	*0.20*	*5*	*0*	*69.4*	*34 - 129*	*3.438*	*0.935*	*20*	
Surr: 2-Fluorobiphenyl	*3.393*	*0.20*	*5*	*0*	*67.9*	*40 - 125*	*3.503*	*3.17*	*20*	
Surr: 2-Fluorophenol	*2.968*	*0.20*	*5*	*0*	*59.4*	*20 - 120*	*3.078*	*3.64*	*20*	
Surr: 4-Terphenyl-d14	*4.23*	*0.20*	*5*	*0*	*84.6*	*40 - 135*	*4.358*	*2.99*	*20*	
Surr: Nitrobenzene-d5	*3.467*	*0.20*	*5*	*0*	*69.3*	*41 - 120*	*3.469*	*0.044*	*20*	
Surr: Phenol-d6	*3.218*	*0.20*	*5*	*0*	*64.4*	*20 - 120*	*3.261*	*1.32*	*20*	

The following samples were analyzed in this batch: HS24071816-16 HS24071816-18 HS24071816-19

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: R473671 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240803** Units: **ug/L** Analysis Date: **04-Aug-2024 02:55**
Client ID: Run ID: **VOA4_473671** SeqNo: **8175302** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*48.17*	*1.0*	*50*	*0*	*96.3*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.62*	*1.0*	*50*	*0*	*97.2*	*77 - 113*				
Surr: Dibromofluoromethane	*48.81*	*1.0*	*50*	*0*	*97.6*	*73 - 126*				
Surr: Toluene-d8	*48.31*	*1.0*	*50*	*0*	*96.6*	*81 - 120*				

LCS Sample ID: **VLCSW-240803** Units: **ug/L** Analysis Date: **04-Aug-2024 01:46**
Client ID: Run ID: **VOA4_473671** SeqNo: **8175300** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.99	1.0	20	0	94.9	70 - 124				
Benzene	18.67	1.0	20	0	93.4	74 - 120				
Chlorobenzene	19.19	1.0	20	0	95.9	76 - 113				
Ethylbenzene	18.97	1.0	20	0	94.9	77 - 117				
Methylene chloride	20.4	2.0	20	0	102	70 - 127				
Toluene	19.21	1.0	20	0	96.0	77 - 118				
Vinyl chloride	18.91	1.0	20	0	94.5	70 - 130				
Xylenes, Total	60.19	3.0	60	0	100	75 - 122				
Surr: 1,2-Dichloroethane-d4	*50.16*	*1.0*	*50*	*0*	*100*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.21*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*48.45*	*1.0*	*50*	*0*	*96.9*	*73 - 126*				
Surr: Toluene-d8	*50.69*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: R473671 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240803** Units: **ug/L** Analysis Date: **04-Aug-2024 02:09**
Client ID: Run ID: **VOA4_473671** SeqNo: **8175301** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.75	1.0	20	0	93.8	70 - 124	18.99	1.25	20	
Benzene	18.26	1.0	20	0	91.3	74 - 120	18.67	2.21	20	
Chlorobenzene	18.45	1.0	20	0	92.3	76 - 113	19.19	3.9	20	
Ethylbenzene	19.08	1.0	20	0	95.4	77 - 117	18.97	0.57	20	
Methylene chloride	18.84	2.0	20	0	94.2	70 - 127	20.4	7.97	20	
Toluene	18.46	1.0	20	0	92.3	77 - 118	19.21	4	20	
Vinyl chloride	17.38	1.0	20	0	86.9	70 - 130	18.91	8.41	20	
Xylenes, Total	58.41	3.0	60	0	97.4	75 - 122	60.19	3	20	
Surr: 1,2-Dichloroethane-d4	*48.33*	*1.0*	*50*	*0*	*96.7*	*70 - 123*	*50.16*	*3.71*	*20*	
Surr: 4-Bromofluorobenzene	*49.25*	*1.0*	*50*	*0*	*98.5*	*77 - 113*	*51.21*	*3.89*	*20*	
Surr: Dibromofluoromethane	*47.51*	*1.0*	*50*	*0*	*95.0*	*73 - 126*	*48.45*	*1.95*	*20*	
Surr: Toluene-d8	*51.53*	*1.0*	*50*	*0*	*103*	*81 - 120*	*50.69*	*1.65*	*20*	

MS Sample ID: **HS24071816-16MS** Units: **ug/L** Analysis Date: **04-Aug-2024 10:53**
Client ID: **WG-1620-MW67B-20240730** Run ID: **VOA4_473671** SeqNo: **8175323** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.79	1.0	20	0	89.0	70 - 127				
Benzene	18.38	1.0	20	0	91.9	70 - 127				
Chlorobenzene	18.51	1.0	20	0	92.6	70 - 114				
Ethylbenzene	18.26	1.0	20	0	91.3	70 - 124				
Methylene chloride	19.03	2.0	20	0	95.1	70 - 128				
Toluene	18.97	1.0	20	0	94.8	70 - 123				
Vinyl chloride	18.1	1.0	20	0	90.5	70 - 130				
Xylenes, Total	58.16	3.0	60	0	96.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*48.64*	*1.0*	*50*	*0*	*97.3*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*48.84*	*1.0*	*50*	*0*	*97.7*	*77 - 113*				
Surr: Dibromofluoromethane	*46.85*	*1.0*	*50*	*0*	*93.7*	*77 - 123*				
Surr: Toluene-d8	*50.36*	*1.0*	*50*	*0*	*101*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: R473671 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS24071816-13MS** Units: **ug/L** Analysis Date: **04-Aug-2024 11:39**
Client ID: **WG-1620-MW28C-20240730** Run ID: **VOA4_473671** SeqNo: **8175325** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.38	1.0	20	0	91.9	70 - 127				
Benzene	18.21	1.0	20	0	91.0	70 - 127				
Chlorobenzene	18.01	1.0	20	0	90.0	70 - 114				
Ethylbenzene	18.65	1.0	20	0	93.3	70 - 124				
Methylene chloride	19.26	2.0	20	0	96.3	70 - 128				
Toluene	18.35	1.0	20	0	91.8	70 - 123				
Vinyl chloride	18.36	1.0	20	0	91.8	70 - 130				
Xylenes, Total	57.37	3.0	60	0	95.6	70 - 130				
Surr: 1,2-Dichloroethane-d4	*48.71*	*1.0*	*50*	*0*	*97.4*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*51.07*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*47.79*	*1.0*	*50*	*0*	*95.6*	*77 - 123*				
Surr: Toluene-d8	*49.92*	*1.0*	*50*	*0*	*99.8*	*82 - 127*				

MSD Sample ID: **HS24071816-16MSD** Units: **ug/L** Analysis Date: **04-Aug-2024 11:16**
Client ID: **WG-1620-MW67B-20240730** Run ID: **VOA4_473671** SeqNo: **8175324** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.19	1.0	20	0	86.0	70 - 127	17.79	3.45	20	
Benzene	17.18	1.0	20	0	85.9	70 - 127	18.38	6.72	20	
Chlorobenzene	17.44	1.0	20	0	87.2	70 - 114	18.51	5.99	20	
Ethylbenzene	17.7	1.0	20	0	88.5	70 - 124	18.26	3.14	20	
Methylene chloride	19.01	2.0	20	0	95.0	70 - 128	19.03	0.118	20	
Toluene	17.45	1.0	20	0	87.2	70 - 123	18.97	8.37	20	
Vinyl chloride	17.87	1.0	20	0	89.4	70 - 130	18.1	1.26	20	
Xylenes, Total	55	3.0	60	0	91.7	70 - 130	58.16	5.58	20	
Surr: 1,2-Dichloroethane-d4	*49.62*	*1.0*	*50*	*0*	*99.2*	*70 - 126*	*48.64*	*2*	*20*	
Surr: 4-Bromofluorobenzene	*51.17*	*1.0*	*50*	*0*	*102*	*77 - 113*	*48.84*	*4.64*	*20*	
Surr: Dibromofluoromethane	*48.55*	*1.0*	*50*	*0*	*97.1*	*77 - 123*	*46.85*	*3.56*	*20*	
Surr: Toluene-d8	*49.88*	*1.0*	*50*	*0*	*99.8*	*82 - 127*	*50.36*	*0.951*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: R473671 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24071816-13MSD** Units: **ug/L** Analysis Date: **04-Aug-2024 12:02**
Client ID: **WG-1620-MW28C-20240730** Run ID: **VOA4_473671** SeqNo: **8175326** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	17.48	1.0	20	0	87.4	70 - 127	18.38	5.02	20	
Benzene	17.75	1.0	20	0	88.7	70 - 127	18.21	2.54	20	
Chlorobenzene	17.9	1.0	20	0	89.5	70 - 114	18.01	0.582	20	
Ethylbenzene	18.41	1.0	20	0	92.0	70 - 124	18.65	1.31	20	
Methylene chloride	18.46	2.0	20	0	92.3	70 - 128	19.26	4.26	20	
Toluene	18.3	1.0	20	0	91.5	70 - 123	18.35	0.279	20	
Vinyl chloride	17.02	1.0	20	0	85.1	70 - 130	18.36	7.56	20	
Xylenes, Total	56.16	3.0	60	0	93.6	70 - 130	57.37	2.15	20	
Surr: 1,2-Dichloroethane-d4	*47.37*	*1.0*	*50*	*0*	*94.7*	*70 - 126*	*48.71*	*2.79*	*20*	
Surr: 4-Bromofluorobenzene	*49.5*	*1.0*	*50*	*0*	*99.0*	*77 - 113*	*51.07*	*3.13*	*20*	
Surr: Dibromofluoromethane	*47.01*	*1.0*	*50*	*0*	*94.0*	*77 - 123*	*47.79*	*1.64*	*20*	
Surr: Toluene-d8	*51.67*	*1.0*	*50*	*0*	*103*	*82 - 127*	*49.92*	*3.44*	*20*	

The following samples were analyzed in this batch:

HS24071816-01	HS24071816-02	HS24071816-04	HS24071816-05
HS24071816-06	HS24071816-07	HS24071816-08	HS24071816-09
HS24071816-10	HS24071816-11	HS24071816-12	HS24071816-13
HS24071816-14	HS24071816-15	HS24071816-16	HS24071816-17
HS24071816-18	HS24071816-19		

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: R474368 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 11:29**
Client ID: Run ID: **VOA7_474368** SeqNo: **8189636** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*49.55*	*1.0*	*50*	*0*	*99.1*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*45.84*	*1.0*	*50*	*0*	*91.7*	*77 - 113*				
Surr: Dibromofluoromethane	*46.26*	*1.0*	*50*	*0*	*92.5*	*73 - 126*				
Surr: Toluene-d8	*51.27*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:20**
Client ID: Run ID: **VOA7_474368** SeqNo: **8189634** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	23.07	1.0	20	0	115	70 - 124				
Benzene	19.92	1.0	20	0	99.6	74 - 120				
Chlorobenzene	20.62	1.0	20	0	103	76 - 113				
Ethylbenzene	21.81	1.0	20	0	109	77 - 117				
Methylene chloride	18.2	2.0	20	0	91.0	70 - 127				
Toluene	20.1	1.0	20	0	100	77 - 118				
Xylenes, Total	62.35	3.0	60	0	104	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.65*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.69*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*47.65*	*1.0*	*50*	*0*	*95.3*	*73 - 126*				
Surr: Toluene-d8	*52.01*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071816

QC BATCH REPORT

Batch ID: R474368 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:43**
Client ID: Run ID: **VOA7_474368** SeqNo: **8189635** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	21.89	1.0	20	0	109	70 - 124	23.07	5.26	20	
Benzene	19.86	1.0	20	0	99.3	74 - 120	19.92	0.299	20	
Chlorobenzene	19.67	1.0	20	0	98.3	76 - 113	20.62	4.75	20	
Ethylbenzene	20.29	1.0	20	0	101	77 - 117	21.81	7.22	20	
Methylene chloride	17.03	2.0	20	0	85.2	70 - 127	18.2	6.65	20	
Toluene	19.3	1.0	20	0	96.5	77 - 118	20.1	4.07	20	
Xylenes, Total	59.47	3.0	60	0	99.1	75 - 122	62.35	4.72	20	
Surr: 1,2-Dichloroethane-d4	*54.04*	*1.0*	*50*	*0*	*108*	*70 - 123*	*53.65*	*0.711*	*20*	
Surr: 4-Bromofluorobenzene	*51.5*	*1.0*	*50*	*0*	*103*	*77 - 113*	*51.69*	*0.366*	*20*	
Surr: Dibromofluoromethane	*48.54*	*1.0*	*50*	*0*	*97.1*	*73 - 126*	*47.65*	*1.85*	*20*	
Surr: Toluene-d8	*50.97*	*1.0*	*50*	*0*	*102*	*81 - 120*	*52.01*	*2.02*	*20*	

The following samples were analyzed in this batch: HS24071816-03

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24071816**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Illinois	2000322023-11	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24071816 **Date/Time Received:** **30-Jul-2024 17:25**

Client Name: PBW **Received by:** **Michael Lucio**

Completed By:	/S/ Nilesh D. Ranchod	31-Jul-2024 16:03	**Reviewed by:**	/S/ salina zaid	01-Aug-2024 12:37
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **GROUNDWATER** Carrier name: **Client**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320992/320987
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.5C/1.5C, 3.8C/3.8C, 3.5C/3.5C, 2.9C/2.9C UC/C	IR-35
Cooler(s)/Kit(s):	51816/52515/51996/52462	
Date/Time sample(s) sent to storage:	7/31/24 17:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

+1 513 733 5336 | +1 970 490 1511
Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 320992

WSP Austin
Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (6))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	Vinyl Chloride (8260_LL_W Select list)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@trcsolutions.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW33A-20240729	7/29/24	835	GW	HNO3,8	6	X	X	X								
2	WG-1620-MW70C-20240729		920			6	X	X	X								
3	WG-1620-MW70B-20240729		1000			6	X	X	X	LSR							
4	WG-1620-FD02-20240729		840			6	X	X	X	LSR							
5	WG-1620-MW33R-20240729		1105			6	X	X	X	X							
6	WG-1620-MW63B-20240729		1145			6	X	X	X								
7	WG-1620-MW68B-20240729		1305			6	X	X	X								
8	WG-1620-MW68A-20240729		1405			6	X	X	X								
9	WG-1620-MW84A-20240729		1510			6	X	X	X								
10	WG-1620-MW71B-20240729	7/29/24	1610	GW	HNO3,8	6	X	X	X								

Sampler(s) Please Print & Sign: Leon St Rose

Shipment Method: Dropoff

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date: 7/30/24	Time: 725	Received by:	Notes: UPRR HWPW 1620-21	
Relinquished by:	Date: 7/30/24	Time: 1725	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	52816	1.5
				52515	3.8
				51996	3.5
				52462	2.9

QC Package: (Check One Box Below)
☐ Level II STD QC
☐ Level III STD QC/Raw Data
☐ Level IV SVOC/MS/MSD
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Holland, MI +1 616 399 6070

Chain of Custody Form

COC ID: 320987

WSP Austin
Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Petersurs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	MS/MSD
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@arsolum.com	e-Mail Address	arthur.gibson@arsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW27C-20240730	7/30/24	750	GW	HNO3,8	6	X	X	X								
2	WG-1620-MW28A-20240730		850			6	X	X	X								
3	WG-1620-MW28C-20240730		920			18	X	X	X	X							
4	WG-1620-MW9A-20240730		1040			6	X	X	X								
5	WG-1620-FD03-20240730		1045			6	X	X	X								
6	WG-1620-MW67B-20240730		1135			18	X	X	X	X							
7	WG-1620-TB01-20240730		1215			2	X										
8	WG-1620-MW27A-20240730		1430			6	X	X	X								
9	WG-1620-MW53C-20240730	7/30/24	1535	GW	HNO3,8	6	X	X	X								
10																	

Sampler(s) Please Print & Sign: Leon Sapp

Shipment Method: DHL

Required Turnaround Time: (Check Box) ☒ STD 10 W. Days ☐ 5 W. Days ☐ 2 W. Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date: 7/30/24	Time: 1725	Received by:
Relinquished by:	Date: 7/30/24	Time: 1725	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846 CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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November 20, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24080003**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 11 sample(s) on Jul 30, 2024 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Generated By: JUMOKE.LAWAL
Luis Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080003**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US Date: 20-Nov-24

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080003**	

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080003					
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215593, 215593, 215639, 215659, 215754, R473987, R473987, R474350					
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				4
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				5
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080003				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215593, 215593, 215639, 215659, 215754, R473987, R473987, R474350				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/14/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24080003
Reviewer Name: Luis Aguilar	Prep Batch Number(s): 215593, 215593, 215639, 215659, 215754, R473987, R473987, R474350

ER#[5]	Description
1	Batch 215659, Semivolatiles by method SW8270, Samples WG-1620-MW20A-20240729, WG-1620-MW15A-20240729: surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 215659, Semivolatiles by method SW8270, Sample HS24080019-05, MSD was performed on an unrelated sample Batch R473987, Volatiles by method SW8260, Sample HS24071852-04, MS and MSD were performed on an unrelated sample n
3	Batch 215659, Semivolatiles by method SW8270, Sample HS24080019-05, MS/MSD RPD was performed on an unrelated sample Batch 215754, Semivolatiles Method SW8270, sample HS24080208-09, MS/MSD RPD was performed on an unrelated sample
4	This workorder was revised 11/20/24 to include the VOC run for -08 Login Comments: Received trip blank not listed on COC.
5	Batch 215659, Semivolatiles by method SW8270, Multiple Samples: The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24080003

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24080003-01	WG-1620-MW13-20240729	Groundwater		29-Jul-2024 08:38	30-Jul-2024 17:00	☐
HS24080003-02	WG-1620-MW20A-20240729	Groundwater		29-Jul-2024 09:48	30-Jul-2024 17:00	☐
HS24080003-03	WG-1620-MW15A-20240729	Groundwater		29-Jul-2024 10:49	30-Jul-2024 17:00	☐
HS24080003-04	WG-1620-MW15C-20240729	Groundwater		29-Jul-2024 12:10	30-Jul-2024 17:00	☐
HS24080003-05	WG-1620-MW15B-20240729	Groundwater		29-Jul-2024 13:11	30-Jul-2024 17:00	☐
HS24080003-06	WG-1620-MW42B-20240729	Groundwater		29-Jul-2024 14:18	30-Jul-2024 17:00	☐
HS24080003-07	WG-1620-MW88A-20240729	Groundwater		29-Jul-2024 15:20	30-Jul-2024 17:00	☐
HS24080003-08	WG-1620-MW88B-20240729	Groundwater		29-Jul-2024 16:38	30-Jul-2024 17:00	☐
HS24080003-09	WG-1620-FB03-20240729	Groundwater		29-Jul-2024 17:00	30-Jul-2024 17:00	☐
HS24080003-10	WG-1620-MW88C-20240730	Groundwater		29-Jul-2024 08:45	30-Jul-2024 17:00	☐
HS24080003-11	Trip Blank	Water	CG-071124-197	29-Jul-2024 00:00	30-Jul-2024 17:00	☑

ALS Houston, US Date: 20-Nov-24

Client: WSP Austin **CASE NARRATIVE**
Project: Houston TX-Wood Preserving Works
Work Order: HS24080003

Work Order Comments

- This workorder was revised 11/20/24 to include the VOC run for -08, MS/MSD not ran per lab error.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW13-20240729
Collection Date: 29-Jul-2024 08:38

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 14:12
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 14:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 14:12
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 14:12
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 14:12
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 14:12
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	07-Aug-2024 14:12
Surr: 1,2-Dichloroethane-d4	*93.9*			*70-126*	*%REC*	*1*	*07-Aug-2024 14:12*
Surr: 4-Bromofluorobenzene	*95.4*			*77-113*	*%REC*	*1*	*07-Aug-2024 14:12*
Surr: Dibromofluoromethane	*95.0*			*77-123*	*%REC*	*1*	*07-Aug-2024 14:12*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*07-Aug-2024 14:12*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW13-20240729
Collection Date: 29-Jul-2024 08:38

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 18:39
2,4-Dimethylphenol	**0.000052**	J	**0.000040**	**0.00020**	**mg/L**	1	09-Aug-2024 18:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 18:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 18:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 18:39
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 18:39
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 18:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 18:39
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	09-Aug-2024 18:39
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 18:39
Anthracene	**0.000045**	J	**0.000014**	**0.00010**	**mg/L**	1	09-Aug-2024 18:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 18:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 18:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 18:39
Bis(2-ethylhexyl)phthalate	**0.000044**	J	**0.000037**	**0.00020**	**mg/L**	1	09-Aug-2024 18:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 18:39
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 18:39
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 18:39
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	09-Aug-2024 18:39
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	09-Aug-2024 18:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 18:39
Naphthalene	**0.000074**	J	**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 18:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 18:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 18:39
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 18:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 18:39
Pyrene	**0.000036**	J	**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 18:39
Surr: 2,4,6-Tribromophenol	*98.5*			*34-129*	*%REC*	*1*	*09-Aug-2024 18:39*
Surr: 2-Fluorobiphenyl	*89.3*			*40-125*	*%REC*	*1*	*09-Aug-2024 18:39*
Surr: 2-Fluorophenol	*65.9*			*20-120*	*%REC*	*1*	*09-Aug-2024 18:39*
Surr: 4-Terphenyl-d14	*107*			*40-135*	*%REC*	*1*	*09-Aug-2024 18:39*
Surr: Nitrobenzene-d5	*68.6*			*41-120*	*%REC*	*1*	*09-Aug-2024 18:39*
Surr: Phenol-d6	*77.8*			*20-120*	*%REC*	*1*	*09-Aug-2024 18:39*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00505**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 13:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW20A-20240729
Collection Date: 29-Jul-2024 09:48

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 14:35
Benzene	**0.020**		**0.00020**	**0.0010**	**mg/L**	1	07-Aug-2024 14:35
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 14:35
Ethylbenzene	**0.046**		**0.00030**	**0.0010**	**mg/L**	1	07-Aug-2024 14:35
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 14:35
Toluene	**0.0038**		**0.00020**	**0.0010**	**mg/L**	1	07-Aug-2024 14:35
Xylenes, Total	**0.063**		**0.00030**	**0.0030**	**mg/L**	1	07-Aug-2024 14:35
Surr: 1,2-Dichloroethane-d4	*91.7*			*70-126*	*%REC*	*1*	*07-Aug-2024 14:35*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*07-Aug-2024 14:35*
Surr: Dibromofluoromethane	*94.1*			*77-123*	*%REC*	*1*	*07-Aug-2024 14:35*
Surr: Toluene-d8	*99.3*			*82-127*	*%REC*	*1*	*07-Aug-2024 14:35*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW20A-20240729
Collection Date: 29-Jul-2024 09:48

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	10-Aug-2024 00:47
2,4-Dimethylphenol	**0.0058**		**0.00040**	**0.0020**	**mg/L**	10	10-Aug-2024 00:47
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	10-Aug-2024 00:47
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	10-Aug-2024 00:47
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	10-Aug-2024 00:47
2-Methylnaphthalene	**0.13**		**0.0095**	**0.050**	**mg/L**	500	09-Aug-2024 22:52
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	10-Aug-2024 00:47
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	10-Aug-2024 00:47
Acenaphthene	**0.087**		**0.00027**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
Acenaphthylene	**0.00097**	J	**0.00015**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
Anthracene	**0.0039**		**0.00014**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	10-Aug-2024 00:47
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	10-Aug-2024 00:47
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	10-Aug-2024 00:47
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	10-Aug-2024 00:47
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	10-Aug-2024 00:47
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	10-Aug-2024 00:47
Dibenzofuran	**0.059**		**0.00020**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
Fluoranthene	**0.00087**	J	**0.00010**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
Fluorene	**0.054**		**0.00030**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	10-Aug-2024 00:47
Naphthalene	**0.94**		**0.010**	**0.050**	**mg/L**	500	09-Aug-2024 22:52
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	10-Aug-2024 00:47
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	10-Aug-2024 00:47
Phenanthrene	**0.032**		**0.00021**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	10-Aug-2024 00:47
Pyrene	**0.00044**	J	**0.00019**	**0.0010**	**mg/L**	10	10-Aug-2024 00:47
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*500*	*09-Aug-2024 22:52*
Surr: 2,4,6-Tribromophenol	*109*			*34-129*	*%REC*	*10*	*10-Aug-2024 00:47*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*500*	*09-Aug-2024 22:52*
Surr: 2-Fluorobiphenyl	*86.0*			*40-125*	*%REC*	*10*	*10-Aug-2024 00:47*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*500*	*09-Aug-2024 22:52*
Surr: 2-Fluorophenol	*76.1*			*20-120*	*%REC*	*10*	*10-Aug-2024 00:47*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*500*	*09-Aug-2024 22:52*
Surr: 4-Terphenyl-d14	*117*			*40-135*	*%REC*	*10*	*10-Aug-2024 00:47*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*500*	*09-Aug-2024 22:52*
Surr: Nitrobenzene-d5	*77.1*			*41-120*	*%REC*	*10*	*10-Aug-2024 00:47*
Surr: Phenol-d6	*79.9*			*20-120*	*%REC*	*10*	*10-Aug-2024 00:47*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*500*	*09-Aug-2024 22:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW20A-20240729
Collection Date: 29-Jul-2024 09:48

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00647**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 13:34

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15A-20240729
Collection Date: 29-Jul-2024 10:49

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 14:58
Benzene	**0.0015**		**0.00020**	**0.0010**	**mg/L**	1	07-Aug-2024 14:58
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 14:58
Ethylbenzene	**0.0027**		**0.00030**	**0.0010**	**mg/L**	1	07-Aug-2024 14:58
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 14:58
Toluene	**0.00053**	J	**0.00020**	**0.0010**	**mg/L**	1	07-Aug-2024 14:58
Xylenes, Total	**0.011**		**0.00030**	**0.0030**	**mg/L**	1	07-Aug-2024 14:58
Surr: 1,2-Dichloroethane-d4	*95.2*			*70-126*	*%REC*	*1*	*07-Aug-2024 14:58*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*07-Aug-2024 14:58*
Surr: Dibromofluoromethane	*96.5*			*77-123*	*%REC*	*1*	*07-Aug-2024 14:58*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*07-Aug-2024 14:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15A-20240729
Collection Date: 29-Jul-2024 10:49

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00010		0.00010	0.0010	mg/L	5	10-Aug-2024 01:10
2,4-Dimethylphenol	< 0.00020		0.00020	0.0010	mg/L	5	10-Aug-2024 01:10
2,4-Dinitrotoluene	< 0.00029		0.00029	0.0010	mg/L	5	10-Aug-2024 01:10
2,6-Dinitrotoluene	< 0.00021		0.00021	0.0010	mg/L	5	10-Aug-2024 01:10
2-Chloronaphthalene	< 0.00010		0.00010	0.0010	mg/L	5	10-Aug-2024 01:10
2-Methylnaphthalene	**0.076**		**0.0095**	**0.050**	**mg/L**	500	09-Aug-2024 18:16
4,6-Dinitro-2-methylphenol	< 0.00010		0.00010	0.0050	mg/L	5	10-Aug-2024 01:10
4-Nitrophenol	< 0.00024		0.00024	0.0050	mg/L	5	10-Aug-2024 01:10
Acenaphthene	**0.13**		**0.014**	**0.050**	**mg/L**	500	09-Aug-2024 18:16
Acenaphthylene	< 0.000075		0.000075	0.00050	mg/L	5	10-Aug-2024 01:10
Anthracene	**0.0036**		**0.000070**	**0.00050**	**mg/L**	5	10-Aug-2024 01:10
Benz(a)anthracene	< 0.00025		0.00025	0.00050	mg/L	5	10-Aug-2024 01:10
Benzo(a)pyrene	< 0.00010		0.00010	0.00050	mg/L	5	10-Aug-2024 01:10
Bis(2-chloroethoxy)methane	< 0.00015		0.00015	0.0010	mg/L	5	10-Aug-2024 01:10
Bis(2-ethylhexyl)phthalate	< 0.00018		0.00018	0.0010	mg/L	5	10-Aug-2024 01:10
Chrysene	< 0.00010		0.00010	0.00050	mg/L	5	10-Aug-2024 01:10
Di-n-butyl phthalate	< 0.00010		0.00010	0.0010	mg/L	5	10-Aug-2024 01:10
Dibenzofuran	**0.031**		**0.00010**	**0.00050**	**mg/L**	5	10-Aug-2024 01:10
Fluoranthene	**0.0025**		**0.000050**	**0.00050**	**mg/L**	5	10-Aug-2024 01:10
Fluorene	**0.047**		**0.00015**	**0.00050**	**mg/L**	5	10-Aug-2024 01:10
N-Nitrosodiphenylamine	< 0.00012		0.00012	0.0010	mg/L	5	10-Aug-2024 01:10
Naphthalene	**0.36**		**0.010**	**0.050**	**mg/L**	500	09-Aug-2024 18:16
Nitrobenzene	< 0.00012		0.00012	0.0010	mg/L	5	10-Aug-2024 01:10
Pentachlorophenol	< 0.00040		0.00040	0.0010	mg/L	5	10-Aug-2024 01:10
Phenanthrene	**0.019**		**0.00010**	**0.00050**	**mg/L**	5	10-Aug-2024 01:10
Phenol	< 0.00018		0.00018	0.0010	mg/L	5	10-Aug-2024 01:10
Pyrene	**0.0010**		**0.000095**	**0.00050**	**mg/L**	5	10-Aug-2024 01:10
Surr: 2,4,6-Tribromophenol	*105*			*34-129*	*%REC*	*5*	*10-Aug-2024 01:10*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*500*	*09-Aug-2024 18:16*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*500*	*09-Aug-2024 18:16*
Surr: 2-Fluorobiphenyl	*90.1*			*40-125*	*%REC*	*5*	*10-Aug-2024 01:10*
Surr: 2-Fluorophenol	*71.1*			*20-120*	*%REC*	*5*	*10-Aug-2024 01:10*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*500*	*09-Aug-2024 18:16*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*500*	*09-Aug-2024 18:16*
Surr: 4-Terphenyl-d14	*110*			*40-135*	*%REC*	*5*	*10-Aug-2024 01:10*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*500*	*09-Aug-2024 18:16*
Surr: Nitrobenzene-d5	*75.0*			*41-120*	*%REC*	*5*	*10-Aug-2024 01:10*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*500*	*09-Aug-2024 18:16*
Surr: Phenol-d6	*78.4*			*20-120*	*%REC*	*5*	*10-Aug-2024 01:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15A-20240729
Collection Date: 29-Jul-2024 10:49

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.0214**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 13:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15C-20240729
Collection Date: 29-Jul-2024 12:10

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 15:21
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 15:21
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 15:21
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 15:21
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 15:21
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 15:21
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	07-Aug-2024 15:21
Surr: 1,2-Dichloroethane-d4	*93.4*			*70-126*	*%REC*	*1*	*07-Aug-2024 15:21*
Surr: 4-Bromofluorobenzene	*96.7*			*77-113*	*%REC*	*1*	*07-Aug-2024 15:21*
Surr: Dibromofluoromethane	*94.1*			*77-123*	*%REC*	*1*	*07-Aug-2024 15:21*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*07-Aug-2024 15:21*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15C-20240729
Collection Date: 29-Jul-2024 12:10

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 00:52
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	08-Aug-2024 00:52
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	08-Aug-2024 00:52
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	08-Aug-2024 00:52
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 00:52
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2024 00:52
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	08-Aug-2024 00:52
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	08-Aug-2024 00:52
Acenaphthene	**0.00057**		**0.000027**	**0.00010**	**mg/L**	1	08-Aug-2024 00:52
Acenaphthylene	**0.000057**	J	**0.000015**	**0.00010**	**mg/L**	1	08-Aug-2024 00:52
Anthracene	**0.000086**	J	**0.000014**	**0.00010**	**mg/L**	1	08-Aug-2024 00:52
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	08-Aug-2024 00:52
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 00:52
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	08-Aug-2024 00:52
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	08-Aug-2024 00:52
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 00:52
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	08-Aug-2024 00:52
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 00:52
Fluoranthene	**0.00018**		**0.000010**	**0.00010**	**mg/L**	1	08-Aug-2024 00:52
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	08-Aug-2024 00:52
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	08-Aug-2024 00:52
Naphthalene	**0.00061**		**0.000020**	**0.00010**	**mg/L**	1	08-Aug-2024 00:52
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	08-Aug-2024 00:52
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	08-Aug-2024 00:52
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 00:52
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	08-Aug-2024 00:52
Pyrene	**0.00023**		**0.000019**	**0.00010**	**mg/L**	1	08-Aug-2024 00:52
Surr: 2,4,6-Tribromophenol	*116*			*34-129*	*%REC*	*1*	*08-Aug-2024 00:52*
Surr: 2-Fluorobiphenyl	*89.5*			*40-125*	*%REC*	*1*	*08-Aug-2024 00:52*
Surr: 2-Fluorophenol	*75.3*			*20-120*	*%REC*	*1*	*08-Aug-2024 00:52*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*1*	*08-Aug-2024 00:52*
Surr: Nitrobenzene-d5	*76.0*			*41-120*	*%REC*	*1*	*08-Aug-2024 00:52*
Surr: Phenol-d6	*83.9*			*20-120*	*%REC*	*1*	*08-Aug-2024 00:52*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00106**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 13:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15B-20240729
Collection Date: 29-Jul-2024 13:11

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 15:44
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 15:44
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 15:44
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 15:44
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 15:44
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 15:44
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	07-Aug-2024 15:44
Surr: 1,2-Dichloroethane-d4	*92.0*			*70-126*	*%REC*	*1*	*07-Aug-2024 15:44*
Surr: 4-Bromofluorobenzene	*91.0*			*77-113*	*%REC*	*1*	*07-Aug-2024 15:44*
Surr: Dibromofluoromethane	*92.6*			*77-123*	*%REC*	*1*	*07-Aug-2024 15:44*
Surr: Toluene-d8	*98.6*			*82-127*	*%REC*	*1*	*07-Aug-2024 15:44*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15B-20240729
Collection Date: 29-Jul-2024 13:11

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	10-Aug-2024 21:42
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	10-Aug-2024 21:42
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	10-Aug-2024 21:42
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	10-Aug-2024 21:42
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	10-Aug-2024 21:42
2-Methylnaphthalene	**0.00035**	J	**0.00019**	**0.0010**	**mg/L**	10	10-Aug-2024 21:42
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	10-Aug-2024 21:42
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	10-Aug-2024 21:42
Acenaphthene	**0.0057**		**0.00027**	**0.0010**	**mg/L**	10	10-Aug-2024 21:42
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	10-Aug-2024 21:42
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	10-Aug-2024 21:42
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	10-Aug-2024 21:42
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	10-Aug-2024 21:42
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	10-Aug-2024 21:42
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	10-Aug-2024 21:42
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	10-Aug-2024 21:42
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	10-Aug-2024 21:42
Dibenzofuran	**0.00043**	J	**0.00020**	**0.0010**	**mg/L**	10	10-Aug-2024 21:42
Fluoranthene	**0.0011**		**0.00010**	**0.0010**	**mg/L**	10	10-Aug-2024 21:42
Fluorene	**0.0016**		**0.00030**	**0.0010**	**mg/L**	10	10-Aug-2024 21:42
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	10-Aug-2024 21:42
Naphthalene	**0.0010**		**0.00020**	**0.0010**	**mg/L**	10	10-Aug-2024 21:42
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	10-Aug-2024 21:42
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	10-Aug-2024 21:42
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	10-Aug-2024 21:42
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	10-Aug-2024 21:42
Pyrene	**0.00058**	J	**0.00019**	**0.0010**	**mg/L**	10	10-Aug-2024 21:42
Surr: 2,4,6-Tribromophenol	*94.0*			*34-129*	*%REC*	*10*	*10-Aug-2024 21:42*
Surr: 2-Fluorobiphenyl	*91.2*			*40-125*	*%REC*	*10*	*10-Aug-2024 21:42*
Surr: 2-Fluorophenol	*73.0*			*20-120*	*%REC*	*10*	*10-Aug-2024 21:42*
Surr: 4-Terphenyl-d14	*100*			*40-135*	*%REC*	*10*	*10-Aug-2024 21:42*
Surr: Nitrobenzene-d5	*72.8*			*41-120*	*%REC*	*10*	*10-Aug-2024 21:42*
Surr: Phenol-d6	*83.0*			*20-120*	*%REC*	*10*	*10-Aug-2024 21:42*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00883**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 13:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW42B-20240729
Collection Date: 29-Jul-2024 14:18

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:07
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:07
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 16:07
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 16:07
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 16:07
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:07
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	07-Aug-2024 16:07
Surr: 1,2-Dichloroethane-d4	*97.7*			*70-126*	*%REC*	*1*	*07-Aug-2024 16:07*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*07-Aug-2024 16:07*
Surr: Dibromofluoromethane	*97.8*			*77-123*	*%REC*	*1*	*07-Aug-2024 16:07*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*07-Aug-2024 16:07*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW42B-20240729
Collection Date: 29-Jul-2024 14:18

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 19:02
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2024 19:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2024 19:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2024 19:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2024 19:02
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2024 19:02
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2024 19:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 19:02
Acenaphthene	**0.00055**		**0.000027**	**0.00010**	**mg/L**	1	09-Aug-2024 19:02
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2024 19:02
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2024 19:02
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 19:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 19:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2024 19:02
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 19:02
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 19:02
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2024 19:02
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 19:02
Fluoranthene	**0.000070**	J	**0.000010**	**0.00010**	**mg/L**	1	09-Aug-2024 19:02
Fluorene	**0.000041**	J	**0.000030**	**0.00010**	**mg/L**	1	09-Aug-2024 19:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2024 19:02
Naphthalene	**0.000054**	J	**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 19:02
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2024 19:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 19:02
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2024 19:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2024 19:02
Pyrene	**0.000062**	J	**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 19:02
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*1*	*09-Aug-2024 19:02*
Surr: 2-Fluorobiphenyl	*86.5*			*40-125*	*%REC*	*1*	*09-Aug-2024 19:02*
Surr: 2-Fluorophenol	*70.2*			*20-120*	*%REC*	*1*	*09-Aug-2024 19:02*
Surr: 4-Terphenyl-d14	*97.3*			*40-135*	*%REC*	*1*	*09-Aug-2024 19:02*
Surr: Nitrobenzene-d5	*70.8*			*41-120*	*%REC*	*1*	*09-Aug-2024 19:02*
Surr: Phenol-d6	*81.1*			*20-120*	*%REC*	*1*	*09-Aug-2024 19:02*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00194**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 13:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88A-20240729
Collection Date: 29-Jul-2024 15:20

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 16:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 16:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 16:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:30
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	07-Aug-2024 16:30
Surr: 1,2-Dichloroethane-d4	*91.8*			*70-126*	*%REC*	*1*	*07-Aug-2024 16:30*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*07-Aug-2024 16:30*
Surr: Dibromofluoromethane	*92.2*			*77-123*	*%REC*	*1*	*07-Aug-2024 16:30*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*07-Aug-2024 16:30*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88A-20240729
Collection Date: 29-Jul-2024 15:20

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 01:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	08-Aug-2024 01:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	08-Aug-2024 01:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	08-Aug-2024 01:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 01:15
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2024 01:15
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	08-Aug-2024 01:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	08-Aug-2024 01:15
Acenaphthene	**0.000049**	J	**0.000027**	**0.00010**	**mg/L**	1	08-Aug-2024 01:15
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	08-Aug-2024 01:15
Anthracene	**0.000056**	J	**0.000014**	**0.00010**	**mg/L**	1	08-Aug-2024 01:15
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	08-Aug-2024 01:15
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 01:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	08-Aug-2024 01:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	08-Aug-2024 01:15
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 01:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	08-Aug-2024 01:15
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 01:15
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	08-Aug-2024 01:15
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	08-Aug-2024 01:15
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	08-Aug-2024 01:15
Naphthalene	**0.000041**	J	**0.000020**	**0.00010**	**mg/L**	1	08-Aug-2024 01:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	08-Aug-2024 01:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	08-Aug-2024 01:15
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 01:15
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	08-Aug-2024 01:15
Pyrene	**0.00015**		**0.000019**	**0.00010**	**mg/L**	1	08-Aug-2024 01:15
Surr: 2,4,6-Tribromophenol	*113*			*34-129*	*%REC*	*1*	*08-Aug-2024 01:15*
Surr: 2-Fluorobiphenyl	*87.6*			*40-125*	*%REC*	*1*	*08-Aug-2024 01:15*
Surr: 2-Fluorophenol	*73.3*			*20-120*	*%REC*	*1*	*08-Aug-2024 01:15*
Surr: 4-Terphenyl-d14	*97.0*			*40-135*	*%REC*	*1*	*08-Aug-2024 01:15*
Surr: Nitrobenzene-d5	*72.9*			*41-120*	*%REC*	*1*	*08-Aug-2024 01:15*
Surr: Phenol-d6	*81.9*			*20-120*	*%REC*	*1*	*08-Aug-2024 01:15*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00203**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 13:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88B-20240729
Collection Date: 29-Jul-2024 16:38

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:53
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:53
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 16:53
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 16:53
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 16:53
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 16:53
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	07-Aug-2024 16:53
Surr: 1,2-Dichloroethane-d4	*92.6*			*70-126*	*%REC*	*1*	*07-Aug-2024 16:53*
Surr: 4-Bromofluorobenzene	*92.3*			*77-113*	*%REC*	*1*	*07-Aug-2024 16:53*
Surr: Dibromofluoromethane	*93.7*			*77-123*	*%REC*	*1*	*07-Aug-2024 16:53*
Surr: Toluene-d8	*99.6*			*82-127*	*%REC*	*1*	*07-Aug-2024 16:53*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88B-20240729
Collection Date: 29-Jul-2024 16:38

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 22:10
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2024 22:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2024 22:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2024 22:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2024 22:10
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2024 22:10
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2024 22:10
4-Nitrophenol	**0.00041**	J	**0.000047**	**0.0010**	**mg/L**	1	07-Aug-2024 22:10
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	07-Aug-2024 22:10
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2024 22:10
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	07-Aug-2024 22:10
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2024 22:10
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 22:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2024 22:10
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2024 22:10
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 22:10
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2024 22:10
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 22:10
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2024 22:10
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	07-Aug-2024 22:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2024 22:10
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2024 22:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2024 22:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2024 22:10
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2024 22:10
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2024 22:10
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2024 22:10
Surr: 2,4,6-Tribromophenol	*54.6*			*34-129*	*%REC*	*1*	*07-Aug-2024 22:10*
Surr: 2-Fluorobiphenyl	*104*			*40-125*	*%REC*	*1*	*07-Aug-2024 22:10*
Surr: 2-Fluorophenol	*66.5*			*20-120*	*%REC*	*1*	*07-Aug-2024 22:10*
Surr: 4-Terphenyl-d14	*132*			*40-135*	*%REC*	*1*	*07-Aug-2024 22:10*
Surr: Nitrobenzene-d5	*93.6*			*41-120*	*%REC*	*1*	*07-Aug-2024 22:10*
Surr: Phenol-d6	*78.1*			*20-120*	*%REC*	*1*	*07-Aug-2024 22:10*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.000943**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 21:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB03-20240729
Collection Date: 29-Jul-2024 17:00

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 13:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 13:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 13:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	07-Aug-2024 13:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	07-Aug-2024 13:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	07-Aug-2024 13:50
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	07-Aug-2024 13:50
Surr: 1,2-Dichloroethane-d4	*92.6*			*70-126*	*%REC*	*1*	*07-Aug-2024 13:50*
Surr: 4-Bromofluorobenzene	*98.5*			*77-113*	*%REC*	*1*	*07-Aug-2024 13:50*
Surr: Dibromofluoromethane	*94.2*			*77-123*	*%REC*	*1*	*07-Aug-2024 13:50*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*07-Aug-2024 13:50*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB03-20240729
Collection Date: 29-Jul-2024 17:00

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 02-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 02:01
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	08-Aug-2024 02:01
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	08-Aug-2024 02:01
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	08-Aug-2024 02:01
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2024 02:01
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2024 02:01
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	08-Aug-2024 02:01
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	08-Aug-2024 02:01
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	08-Aug-2024 02:01
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	08-Aug-2024 02:01
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	08-Aug-2024 02:01
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	08-Aug-2024 02:01
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 02:01
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	08-Aug-2024 02:01
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	08-Aug-2024 02:01
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 02:01
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	08-Aug-2024 02:01
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 02:01
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	08-Aug-2024 02:01
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	08-Aug-2024 02:01
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	08-Aug-2024 02:01
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2024 02:01
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	08-Aug-2024 02:01
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	08-Aug-2024 02:01
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2024 02:01
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	08-Aug-2024 02:01
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2024 02:01
Surr: 2,4,6-Tribromophenol	*92.7*			*34-129*	*%REC*	*1*	*08-Aug-2024 02:01*
Surr: 2-Fluorobiphenyl	*82.4*			*40-125*	*%REC*	*1*	*08-Aug-2024 02:01*
Surr: 2-Fluorophenol	*72.6*			*20-120*	*%REC*	*1*	*08-Aug-2024 02:01*
Surr: 4-Terphenyl-d14	*94.1*			*40-135*	*%REC*	*1*	*08-Aug-2024 02:01*
Surr: Nitrobenzene-d5	*70.4*			*41-120*	*%REC*	*1*	*08-Aug-2024 02:01*
Surr: Phenol-d6	*77.1*			*20-120*	*%REC*	*1*	*08-Aug-2024 02:01*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	01-Aug-2024 13:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88C-20240730
Collection Date: 29-Jul-2024 08:45

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Aug-2024 11:44
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Aug-2024 11:44
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Aug-2024 11:44
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Aug-2024 11:44
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Aug-2024 11:44
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Aug-2024 11:44
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Aug-2024 11:44
Surr: 1,2-Dichloroethane-d4	*99.2*			*70-126*	*%REC*	*1*	*12-Aug-2024 11:44*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*12-Aug-2024 11:44*
Surr: Dibromofluoromethane	*94.6*			*77-123*	*%REC*	*1*	*12-Aug-2024 11:44*
Surr: Toluene-d8	*96.9*			*82-127*	*%REC*	*1*	*12-Aug-2024 11:44*

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88C-20240730
Collection Date: 29-Jul-2024 08:45

ANALYTICAL REPORT
WorkOrder:HS24080003
Lab ID:HS24080003-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 14:36
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2024 14:36
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2024 14:36
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2024 14:36
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 14:36
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 14:36
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2024 14:36
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2024 14:36
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2024 14:36
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2024 14:36
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	10-Aug-2024 14:36
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2024 14:36
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 14:36
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2024 14:36
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2024 14:36
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 14:36
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2024 14:36
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 14:36
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	10-Aug-2024 14:36
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2024 14:36
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2024 14:36
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 14:36
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2024 14:36
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2024 14:36
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 14:36
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2024 14:36
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 14:36
Surr: 2,4,6-Tribromophenol	*58.7*			*34-129*	*%REC*	*1*	*10-Aug-2024 14:36*
Surr: 2-Fluorobiphenyl	*73.2*			*40-125*	*%REC*	*1*	*10-Aug-2024 14:36*
Surr: 2-Fluorophenol	*66.9*			*20-120*	*%REC*	*1*	*10-Aug-2024 14:36*
Surr: 4-Terphenyl-d14	*101*			*40-135*	*%REC*	*1*	*10-Aug-2024 14:36*
Surr: Nitrobenzene-d5	*78.1*			*41-120*	*%REC*	*1*	*10-Aug-2024 14:36*
Surr: Phenol-d6	*69.8*			*20-120*	*%REC*	*1*	*10-Aug-2024 14:36*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.000475**	J	**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 21:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

Batch ID: 215593 **Start Date:** 01 Aug 2024 08:30 **End Date:** 01 Aug 2024 08:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080003-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-09		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215639 **Start Date:** 01 Aug 2024 12:30 **End Date:** 01 Aug 2024 12:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080003-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080003-10		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215659 **Start Date:** 02 Aug 2024 10:38 **End Date:** 02 Aug 2024 10:38
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080003-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080003-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 215754 **Start Date:** 05 Aug 2024 08:30 **End Date:** 05 Aug 2024 08:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080003-10		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215593 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24080003-01	WG-1620-MW13-20240729	29 Jul 2024 08:38		01 Aug 2024 08:30	01 Aug 2024 13:32	1
HS24080003-02	WG-1620-MW20A-20240729	29 Jul 2024 09:48		01 Aug 2024 08:30	01 Aug 2024 13:34	1
HS24080003-03	WG-1620-MW15A-20240729	29 Jul 2024 10:49		01 Aug 2024 08:30	01 Aug 2024 13:36	1
HS24080003-04	WG-1620-MW15C-20240729	29 Jul 2024 12:10		01 Aug 2024 08:30	01 Aug 2024 13:38	1
HS24080003-05	WG-1620-MW15B-20240729	29 Jul 2024 13:11		01 Aug 2024 08:30	01 Aug 2024 13:41	1
HS24080003-06	WG-1620-MW42B-20240729	29 Jul 2024 14:18		01 Aug 2024 08:30	01 Aug 2024 13:43	1
HS24080003-07	WG-1620-MW88A-20240729	29 Jul 2024 15:20		01 Aug 2024 08:30	01 Aug 2024 13:45	1
HS24080003-09	WG-1620-FB03-20240729	29 Jul 2024 17:00		01 Aug 2024 08:30	01 Aug 2024 13:47	1
Batch ID: 215639 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24080003-08	WG-1620-MW88B-20240729	29 Jul 2024 16:38		01 Aug 2024 12:30	01 Aug 2024 21:13	1
HS24080003-10	WG-1620-MW88C-20240730	29 Jul 2024 08:45		01 Aug 2024 12:30	01 Aug 2024 21:38	1
Batch ID: 215659 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24080003-01	WG-1620-MW13-20240729	29 Jul 2024 08:38		02 Aug 2024 10:38	09 Aug 2024 18:39	1
HS24080003-02	WG-1620-MW20A-20240729	29 Jul 2024 09:48		02 Aug 2024 10:38	10 Aug 2024 00:47	10
HS24080003-02	WG-1620-MW20A-20240729	29 Jul 2024 09:48		02 Aug 2024 10:38	09 Aug 2024 22:52	500
HS24080003-03	WG-1620-MW15A-20240729	29 Jul 2024 10:49		02 Aug 2024 10:38	10 Aug 2024 01:10	5
HS24080003-03	WG-1620-MW15A-20240729	29 Jul 2024 10:49		02 Aug 2024 10:38	09 Aug 2024 18:16	500
HS24080003-04	WG-1620-MW15C-20240729	29 Jul 2024 12:10		02 Aug 2024 10:38	08 Aug 2024 00:52	1
HS24080003-05	WG-1620-MW15B-20240729	29 Jul 2024 13:11		02 Aug 2024 10:38	10 Aug 2024 21:42	10
HS24080003-06	WG-1620-MW42B-20240729	29 Jul 2024 14:18		02 Aug 2024 10:38	09 Aug 2024 19:02	1
HS24080003-07	WG-1620-MW88A-20240729	29 Jul 2024 15:20		02 Aug 2024 10:38	08 Aug 2024 01:15	1
HS24080003-08	WG-1620-MW88B-20240729	29 Jul 2024 16:38		02 Aug 2024 10:38	07 Aug 2024 22:10	1
HS24080003-09	WG-1620-FB03-20240729	29 Jul 2024 17:00		02 Aug 2024 10:38	08 Aug 2024 02:01	1
Batch ID: 215754 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24080003-10	WG-1620-MW88C-20240730	29 Jul 2024 08:45		05 Aug 2024 14:12	10 Aug 2024 14:36	1
Batch ID: R473987 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24080003-01	WG-1620-MW13-20240729	29 Jul 2024 08:38			07 Aug 2024 14:12	1
HS24080003-02	WG-1620-MW20A-20240729	29 Jul 2024 09:48			07 Aug 2024 14:35	1
HS24080003-03	WG-1620-MW15A-20240729	29 Jul 2024 10:49			07 Aug 2024 14:58	1
HS24080003-04	WG-1620-MW15C-20240729	29 Jul 2024 12:10			07 Aug 2024 15:21	1
HS24080003-05	WG-1620-MW15B-20240729	29 Jul 2024 13:11			07 Aug 2024 15:44	1
HS24080003-06	WG-1620-MW42B-20240729	29 Jul 2024 14:18			07 Aug 2024 16:07	1
HS24080003-07	WG-1620-MW88A-20240729	29 Jul 2024 15:20			07 Aug 2024 16:30	1
HS24080003-08	WG-1620-MW88B-20240729	29 Jul 2024 16:38			07 Aug 2024 16:53	1
HS24080003-09	WG-1620-FB03-20240729	29 Jul 2024 17:00			07 Aug 2024 13:50	1
Batch ID: R474350 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24080003-10	WG-1620-MW88C-20240730	29 Jul 2024 08:45			12 Aug 2024 11:44	1

WorkOrder: HS24080003
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00168	0.000400	0.00200

WorkOrder: HS24080003
InstrumentID: SV-8
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000055	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000047	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000044	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000045	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000061	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000060	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00035	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000046	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.00014	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.00014	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.00014	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.00014	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.00012	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000059	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000048	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.00016	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000055	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.00014	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.00014	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000056	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.00014	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000069	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000050	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.00014	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000061	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.00014	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080003
InstrumentID: SV-9
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.00016	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000066	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.00014	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.00015	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00015	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00018	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00023	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.00011	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00017	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00020	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00020	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00019	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00015	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.00016	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00020	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00019	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00019	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00025	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00030	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00018	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.00017	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00026	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00018	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000080	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00030	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.00015	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00028	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080003
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00047	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00049	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00041	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00050	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00047	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0014	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

WorkOrder: HS24080003
InstrumentID: VOA4
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.0011	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00057	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00056	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00016	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.0019	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0016	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215593 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215593** Units: **mg/L** Analysis Date: **01-Aug-2024 12:37**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8170464** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215593** Units: **mg/L** Analysis Date: **01-Aug-2024 12:39**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8170465** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04838	0.00200	0.05	0	96.8	80 - 120				

MS Sample ID: **HS24071819-03MS** Units: **mg/L** Analysis Date: **01-Aug-2024 12:48**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8170469** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05296	0.00200	0.05	0.004133	97.7	80 - 120				

MSD Sample ID: **HS24071819-03MSD** Units: **mg/L** Analysis Date: **01-Aug-2024 12:50**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8170470** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05235	0.00200	0.05	0.004133	96.4	80 - 120	0.05296	1.15	20	

PDS Sample ID: **HS24071819-03PDS** Units: **mg/L** Analysis Date: **01-Aug-2024 12:52**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8170471** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1006	0.00200	0.1	0.004133	96.5	75 - 125				

SD Sample ID: **HS24071819-03SD** Units: **mg/L** Analysis Date: **01-Aug-2024 12:41**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8170466** PrepDate: **01-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.004042	0.0100					0.004133	0	10	J

The following samples were analyzed in this batch:

HS24080003-01	HS24080003-02	HS24080003-03	HS24080003-04
HS24080003-05	HS24080003-06	HS24080003-07	HS24080003-09

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215639 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215639** Units: **mg/L** Analysis Date: **01-Aug-2024 21:09**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171555** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215639** Units: **mg/L** Analysis Date: **01-Aug-2024 21:11**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171556** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04678	0.00200	0.05	0	93.6	80 - 120				

MS Sample ID: **HS24080003-08MS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:18**
Client ID: **WG-1620-MW88B-20240729** Run ID: **ICPMS05_473422** SeqNo: **8171559** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04414	0.00200	0.05	0.000943	86.4	80 - 120				

MSD Sample ID: **HS24080003-08MSD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:20**
Client ID: **WG-1620-MW88B-20240729** Run ID: **ICPMS05_473422** SeqNo: **8171560** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0462	0.00200	0.05	0.000943	90.5	80 - 120	0.04414	4.55	20	

PDS Sample ID: **HS24080003-08PDS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:23**
Client ID: **WG-1620-MW88B-20240729** Run ID: **ICPMS05_473422** SeqNo: **8171561** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09776	0.00200	0.1	0.000943	96.8	75 - 125				

SD Sample ID: **HS24080003-08SD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:16**
Client ID: **WG-1620-MW88B-20240729** Run ID: **ICPMS05_473422** SeqNo: **8171558** PrepDate: **01-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.000943	0	10	

The following samples were analyzed in this batch: HS24080003-08 HS24080003-10

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215659 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215659** Units: **ug/L** Analysis Date: **07-Aug-2024 16:46**
Client ID: Run ID: **SV-8_473940** SeqNo: **8184189** PrepDate: **02-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*4.731*	*0.20*	*5*	*0*	*94.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.706*	*0.20*	*5*	*0*	*94.1*	*40 - 125*				
Surr: 2-Fluorophenol	*5.563*	*0.20*	*5*	*0*	*111*	*20 - 120*				
Surr: 4-Terphenyl-d14	*6.422*	*0.20*	*5*	*0*	*128*	*40 - 135*				
Surr: Nitrobenzene-d5	*5.323*	*0.20*	*5*	*0*	*106*	*41 - 120*				
Surr: Phenol-d6	*4.247*	*0.20*	*5*	*0*	*84.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215659 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215659** Units: **ug/L** Analysis Date: **07-Aug-2024 21:46**
Client ID: Run ID: **SV-8_473940** SeqNo: **8184190** PrepDate: **02-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.157	0.20	5	0	83.1	39 - 127				
2,4-Dimethylphenol	3.755	0.20	5	0	75.1	35 - 120				
2,4-Dinitrotoluene	4.851	0.20	5	0	97.0	50 - 122				
2,6-Dinitrotoluene	4.842	0.20	5	0	96.8	50 - 120				
2-Chloronaphthalene	4.695	0.20	5	0	93.9	50 - 120				
2-Methylnaphthalene	4.575	0.10	5	0	91.5	50 - 120				
4,6-Dinitro-2-methylphenol	3.688	1.0	5	0	73.8	25 - 121				
4-Nitrophenol	4.272	1.0	5	0	85.4	30 - 130				
Acenaphthene	4.162	0.10	5	0	83.2	45 - 120				
Acenaphthylene	4.206	0.10	5	0	84.1	47 - 120				
Anthracene	4.35	0.10	5	0	87.0	45 - 120				
Benz(a)anthracene	4.527	0.10	5	0	90.5	40 - 120				
Benzo(a)pyrene	4.663	0.10	5	0	93.3	45 - 120				
Bis(2-chloroethoxy)methane	4.091	0.20	5	0	81.8	45 - 120				
Bis(2-ethylhexyl)phthalate	4.851	0.20	5	0	97.0	40 - 139				
Chrysene	4.493	0.10	5	0	89.9	43 - 120				
Dibenzofuran	4.361	0.10	5	0	87.2	50 - 120				
Di-n-butyl phthalate	4.794	0.20	5	0	95.9	45 - 123				
Fluoranthene	4.492	0.10	5	0	89.8	45 - 125				
Fluorene	4.467	0.10	5	0	89.3	49 - 120				
Naphthalene	4.056	0.10	5	0	81.1	45 - 120				
Nitrobenzene	3.82	0.20	5	0	76.4	44 - 120				
N-Nitrosodiphenylamine	4.432	0.20	5	0	88.6	40 - 125				
Pentachlorophenol	4.602	0.20	5	0	92.0	19 - 121				
Phenanthrene	4.221	0.10	5	0	84.4	45 - 121				
Phenol	4.15	0.20	5	0	83.0	20 - 124				
Pyrene	4.382	0.10	5	0	87.6	40 - 130				
Surr: 2,4,6-Tribromophenol	*6.275*	*0.20*	*5*	*0*	*126*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.928*	*0.20*	*5*	*0*	*98.6*	*40 - 125*				
Surr: 2-Fluorophenol	*4.325*	*0.20*	*5*	*0*	*86.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.525*	*0.20*	*5*	*0*	*110*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.145*	*0.20*	*5*	*0*	*82.9*	*41 - 120*				
Surr: Phenol-d6	*4.702*	*0.20*	*5*	*0*	*94.0*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215659 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24080019-05MS** Units: **ug/L** Analysis Date: **07-Aug-2024 23:43**
Client ID: Run ID: **SV-8_473940** SeqNo: **8184195** PrepDate: **02-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.901	0.20	5	0	78.0	39 - 127				
2,4-Dimethylphenol	3.315	0.20	5	0	66.3	35 - 120				
2,4-Dinitrotoluene	5.35	0.20	5	0	107	50 - 122				
2,6-Dinitrotoluene	4.585	0.20	5	0	91.7	50 - 120				
2-Chloronaphthalene	4.162	0.20	5	0	83.2	50 - 120				
2-Methylnaphthalene	4.056	0.10	5	0	81.1	50 - 120				
4,6-Dinitro-2-methylphenol	4.589	1.0	5	0	91.8	25 - 121				
4-Nitrophenol	4.225	1.0	5	0	84.5	30 - 130				
Acenaphthene	3.838	0.10	5	0	76.8	45 - 120				
Acenaphthylene	3.947	0.10	5	0	78.9	47 - 120				
Anthracene	4.257	0.10	5	0	85.1	45 - 120				
Benz(a)anthracene	4.483	0.10	5	0	89.7	40 - 120				
Benzo(a)pyrene	4.946	0.10	5	0	98.9	45 - 120				
Bis(2-chloroethoxy)methane	3.601	0.20	5	0	72.0	45 - 120				
Bis(2-ethylhexyl)phthalate	4.743	0.20	5	0	94.9	40 - 139				
Chrysene	4.426	0.10	5	0	88.5	43 - 120				
Dibenzofuran	4.055	0.10	5	0	81.1	50 - 120				
Di-n-butyl phthalate	4.813	0.20	5	0	96.3	45 - 123				
Fluoranthene	4.49	0.10	5	0	89.8	45 - 125				
Fluorene	4.16	0.10	5	0	83.2	49 - 120				
Naphthalene	3.612	0.10	5	0	72.2	45 - 120				
Nitrobenzene	3.454	0.20	5	0	69.1	44 - 120				
N-Nitrosodiphenylamine	4.281	0.20	5	0	85.6	40 - 125				
Pentachlorophenol	4.944	0.20	5	0	98.9	19 - 121				
Phenanthrene	4.133	0.10	5	0	82.7	45 - 121				
Phenol	3.682	0.20	5	0	73.6	20 - 124				
Pyrene	4.224	0.10	5	0	84.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.25*	*0.20*	*5*	*0*	*105*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.068*	*0.20*	*5*	*0*	*81.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.496*	*0.20*	*5*	*0*	*69.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.666*	*0.20*	*5*	*0*	*93.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.391*	*0.20*	*5*	*0*	*67.8*	*41 - 120*				
Surr: Phenol-d6	*3.835*	*0.20*	*5*	*0*	*76.7*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215659 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24080003-08MS** Units: **ug/L** Analysis Date: **07-Aug-2024 22:33**
Client ID: **WG-1620-MW88B-20240729** Run ID: **SV-8_473940** SeqNo: **8184192** PrepDate: **02-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.112	0.20	5	0	82.2	39 - 127				
2,4-Dimethylphenol	3.158	0.20	5	0	63.2	35 - 120				
2,4-Dinitrotoluene	4.89	0.20	5	0	97.8	50 - 122				
2,6-Dinitrotoluene	4.806	0.20	5	0	96.1	50 - 120				
2-Chloronaphthalene	4.579	0.20	5	0	91.6	50 - 120				
2-Methylnaphthalene	4.217	0.10	5	0	84.3	50 - 120				
4,6-Dinitro-2-methylphenol	3.754	1.0	5	0	75.1	25 - 121				
4-Nitrophenol	4.461	1.0	5	0.4086	81.0	30 - 130				
Acenaphthene	4.03	0.10	5	0	80.6	45 - 120				
Acenaphthylene	4.033	0.10	5	0	80.7	47 - 120				
Anthracene	4.466	0.10	5	0	89.3	45 - 120				
Benz(a)anthracene	4.683	0.10	5	0	93.7	40 - 120				
Benzo(a)pyrene	5.098	0.10	5	0	102	45 - 120				
Bis(2-chloroethoxy)methane	3.767	0.20	5	0	75.3	45 - 120				
Bis(2-ethylhexyl)phthalate	4.995	0.20	5	0	99.9	40 - 139				
Chrysene	4.588	0.10	5	0	91.8	43 - 120				
Dibenzofuran	4.183	0.10	5	0	83.7	50 - 120				
Di-n-butyl phthalate	5.083	0.20	5	0	102	45 - 123				
Fluoranthene	4.668	0.10	5	0	93.4	45 - 125				
Fluorene	4.43	0.10	5	0	88.6	49 - 120				
Naphthalene	3.815	0.10	5	0	76.3	45 - 120				
Nitrobenzene	3.54	0.20	5	0	70.8	44 - 120				
N-Nitrosodiphenylamine	4.547	0.20	5	0	90.9	40 - 125				
Pentachlorophenol	4.879	0.20	5	0.03784	96.8	19 - 121				
Phenanthrene	4.349	0.10	5	0	87.0	45 - 121				
Phenol	3.87	0.20	5	0	77.4	20 - 124				
Pyrene	4.467	0.10	5	0	89.3	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.498*	*0.20*	*5*	*0*	*110*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.225*	*0.20*	*5*	*0*	*84.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.59*	*0.20*	*5*	*0*	*71.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.913*	*0.20*	*5*	*0*	*98.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.543*	*0.20*	*5*	*0*	*70.9*	*41 - 120*				
Surr: Phenol-d6	*4.034*	*0.20*	*5*	*0*	*80.7*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215659 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24080019-05MSD** Units: **ug/L** Analysis Date: **08-Aug-2024 00:06**
Client ID: Run ID: **SV-8_473940** SeqNo: **8184196** PrepDate: **02-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.017	0.20	5	0	80.3	39 - 127	3.901	2.92	20	
2,4-Dimethylphenol	3.849	0.20	5	0	77.0	35 - 120	3.315	14.9	20	
2,4-Dinitrotoluene	5.259	0.20	5	0	105	50 - 122	5.35	1.72	20	
2,6-Dinitrotoluene	4.807	0.20	5	0	96.1	50 - 120	4.585	4.72	20	
2-Chloronaphthalene	4.635	0.20	5	0	92.7	50 - 120	4.162	10.7	20	
2-Methylnaphthalene	4.314	0.10	5	0	86.3	50 - 120	4.056	6.16	20	
4,6-Dinitro-2-methylphenol	6.281	1.0	5	0	126	25 - 121	4.589	31.1	30	SR
4-Nitrophenol	4.28	1.0	5	0	85.6	30 - 130	4.225	1.29	20	
Acenaphthene	4.082	0.10	5	0	81.6	45 - 120	3.838	6.17	20	
Acenaphthylene	4.128	0.10	5	0	82.6	47 - 120	3.947	4.48	20	
Anthracene	4.404	0.10	5	0	88.1	45 - 120	4.257	3.39	20	
Benz(a)anthracene	4.598	0.10	5	0	92.0	40 - 120	4.483	2.52	20	
Benzo(a)pyrene	4.994	0.10	5	0	99.9	45 - 120	4.946	0.961	20	
Bis(2-chloroethoxy)methane	3.845	0.20	5	0	76.9	45 - 120	3.601	6.53	20	
Bis(2-ethylhexyl)phthalate	4.889	0.20	5	0	97.8	40 - 139	4.743	3.02	20	
Chrysene	4.455	0.10	5	0	89.1	43 - 120	4.426	0.651	20	
Dibenzofuran	4.327	0.10	5	0	86.5	50 - 120	4.055	6.49	20	
Di-n-butyl phthalate	4.888	0.20	5	0	97.8	45 - 123	4.813	1.55	20	
Fluoranthene	4.574	0.10	5	0	91.5	45 - 125	4.49	1.84	20	
Fluorene	4.46	0.10	5	0	89.2	49 - 120	4.16	6.96	20	
Naphthalene	3.874	0.10	5	0	77.5	45 - 120	3.612	7.02	20	
Nitrobenzene	3.689	0.20	5	0	73.8	44 - 120	3.454	6.59	20	
N-Nitrosodiphenylamine	4.444	0.20	5	0	88.9	40 - 125	4.281	3.73	20	
Pentachlorophenol	5.728	0.20	5	0	115	19 - 121	4.944	14.7	20	
Phenanthrene	4.201	0.10	5	0	84.0	45 - 121	4.133	1.63	20	
Phenol	3.965	0.20	5	0	79.3	20 - 124	3.682	7.42	20	
Pyrene	4.456	0.10	5	0	89.1	40 - 130	4.224	5.36	20	
Surr: 2,4,6-Tribromophenol	*5.265*	*0.20*	*5*	*0*	*105*	*34 - 129*	*5.25*	*0.299*	*20*	
Surr: 2-Fluorobiphenyl	*4.317*	*0.20*	*5*	*0*	*86.3*	*40 - 125*	*4.068*	*5.95*	*20*	
Surr: 2-Fluorophenol	*3.744*	*0.20*	*5*	*0*	*74.9*	*20 - 120*	*3.496*	*6.86*	*20*	
Surr: 4-Terphenyl-d14	*4.921*	*0.20*	*5*	*0*	*98.4*	*40 - 135*	*4.666*	*5.31*	*20*	
Surr: Nitrobenzene-d5	*3.625*	*0.20*	*5*	*0*	*72.5*	*41 - 120*	*3.391*	*6.68*	*20*	
Surr: Phenol-d6	*4.074*	*0.20*	*5*	*0*	*81.5*	*20 - 120*	*3.835*	*6.05*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215659 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24080003-08MSD** Units: **ug/L** Analysis Date: **07-Aug-2024 22:56**
Client ID: **WG-1620-MW88B-20240729** Run ID: **SV-8_473940** SeqNo: **8184193** PrepDate: **02-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.684	0.20	5	0	73.7	39 - 127	4.112	11	20	
2,4-Dimethylphenol	3.2	0.20	5	0	64.0	35 - 120	3.158	1.33	20	
2,4-Dinitrotoluene	4.503	0.20	5	0	90.1	50 - 122	4.89	8.24	20	
2,6-Dinitrotoluene	4.333	0.20	5	0	86.7	50 - 120	4.806	10.4	20	
2-Chloronaphthalene	4.201	0.20	5	0	84.0	50 - 120	4.579	8.62	20	
2-Methylnaphthalene	3.997	0.10	5	0	79.9	50 - 120	4.217	5.37	20	
4,6-Dinitro-2-methylphenol	3.969	1.0	5	0	79.4	25 - 121	3.754	5.57	30	
4-Nitrophenol	4.08	1.0	5	0.4086	73.4	30 - 130	4.461	8.92	20	
Acenaphthene	3.699	0.10	5	0	74.0	45 - 120	4.03	8.58	20	
Acenaphthylene	3.73	0.10	5	0	74.6	47 - 120	4.033	7.8	20	
Anthracene	4	0.10	5	0	80.0	45 - 120	4.466	11	20	
Benz(a)anthracene	4.289	0.10	5	0	85.8	40 - 120	4.683	8.78	20	
Benzo(a)pyrene	4.412	0.10	5	0	88.2	45 - 120	5.098	14.4	20	
Bis(2-chloroethoxy)methane	3.522	0.20	5	0	70.4	45 - 120	3.767	6.73	20	
Bis(2-ethylhexyl)phthalate	4.527	0.20	5	0	90.5	40 - 139	4.995	9.82	20	
Chrysene	4.169	0.10	5	0	83.4	43 - 120	4.588	9.56	20	
Dibenzofuran	3.797	0.10	5	0	75.9	50 - 120	4.183	9.67	20	
Di-n-butyl phthalate	4.674	0.20	5	0	93.5	45 - 123	5.083	8.4	20	
Fluoranthene	4.411	0.10	5	0	88.2	45 - 125	4.668	5.66	20	
Fluorene	3.985	0.10	5	0	79.7	49 - 120	4.43	10.6	20	
Naphthalene	3.549	0.10	5	0	71.0	45 - 120	3.815	7.23	20	
Nitrobenzene	3.35	0.20	5	0	67.0	44 - 120	3.54	5.52	20	
N-Nitrosodiphenylamine	4.142	0.20	5	0	82.8	40 - 125	4.547	9.33	20	
Pentachlorophenol	4.702	0.20	5	0.03784	93.3	19 - 121	4.879	3.69	20	
Phenanthrene	3.94	0.10	5	0	78.8	45 - 121	4.349	9.86	20	
Phenol	3.539	0.20	5	0	70.8	20 - 124	3.87	8.93	20	
Pyrene	4.007	0.10	5	0	80.1	40 - 130	4.467	10.9	20	
Surr: 2,4,6-Tribromophenol	*5.07*	*0.20*	*5*	*0*	*101*	*34 - 129*	*5.498*	*8.09*	*20*	
Surr: 2-Fluorobiphenyl	*3.866*	*0.20*	*5*	*0*	*77.3*	*40 - 125*	*4.225*	*8.88*	*20*	
Surr: 2-Fluorophenol	*3.332*	*0.20*	*5*	*0*	*66.6*	*20 - 120*	*3.59*	*7.46*	*20*	
Surr: 4-Terphenyl-d14	*4.564*	*0.20*	*5*	*0*	*91.3*	*40 - 135*	*4.913*	*7.37*	*20*	
Surr: Nitrobenzene-d5	*3.282*	*0.20*	*5*	*0*	*65.6*	*41 - 120*	*3.543*	*7.64*	*20*	
Surr: Phenol-d6	*3.663*	*0.20*	*5*	*0*	*73.3*	*20 - 120*	*4.034*	*9.65*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215659 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24080003-01	HS24080003-02	HS24080003-03	HS24080003-04
HS24080003-05	HS24080003-06	HS24080003-07	HS24080003-08
HS24080003-09			

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215754** Units: **ug/L** Analysis Date: **10-Aug-2024 13:50**
Client ID: Run ID: **SV-9_474267** SeqNo: **8187481** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.877*	*0.20*	*5*	*0*	*77.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.204*	*0.20*	*5*	*0*	*84.1*	*40 - 125*				
Surr: 2-Fluorophenol	*4.617*	*0.20*	*5*	*0*	*92.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.783*	*0.20*	*5*	*0*	*116*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.067*	*0.20*	*5*	*0*	*81.3*	*41 - 120*				
Surr: Phenol-d6	*3.836*	*0.20*	*5*	*0*	*76.7*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215754** Units: **ug/L** Analysis Date: **10-Aug-2024 14:13**
Client ID: Run ID: **SV-9_474267** SeqNo: **8187482** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.154	0.20	5	0	83.1	39 - 127				
2,4-Dimethylphenol	3.525	0.20	5	0	70.5	35 - 120				
2,4-Dinitrotoluene	4.379	0.20	5	0	87.6	50 - 122				
2,6-Dinitrotoluene	3.578	0.20	5	0	71.6	50 - 120				
2-Chloronaphthalene	4.382	0.20	5	0	87.6	50 - 120				
2-Methylnaphthalene	3.98	0.10	5	0	79.6	50 - 120				
4,6-Dinitro-2-methylphenol	3.18	1.0	5	0	63.6	25 - 121				
4-Nitrophenol	3.902	1.0	5	0	78.0	30 - 130				
Acenaphthene	3.974	0.10	5	0	79.5	45 - 120				
Acenaphthylene	3.936	0.10	5	0	78.7	47 - 120				
Anthracene	4.265	0.10	5	0	85.3	45 - 120				
Benz(a)anthracene	4.12	0.10	5	0	82.4	40 - 120				
Benzo(a)pyrene	4.166	0.10	5	0	83.3	45 - 120				
Bis(2-chloroethoxy)methane	3.747	0.20	5	0	74.9	45 - 120				
Bis(2-ethylhexyl)phthalate	4.214	0.20	5	0	84.3	40 - 139				
Chrysene	4.316	0.10	5	0	86.3	43 - 120				
Dibenzofuran	4.144	0.10	5	0	82.9	50 - 120				
Di-n-butyl phthalate	4.59	0.20	5	0	91.8	45 - 123				
Fluoranthene	4.475	0.10	5	0	89.5	45 - 125				
Fluorene	4.004	0.10	5	0	80.1	49 - 120				
Naphthalene	3.932	0.10	5	0	78.6	45 - 120				
Nitrobenzene	3.762	0.20	5	0	75.2	44 - 120				
N-Nitrosodiphenylamine	4.296	0.20	5	0	85.9	40 - 125				
Pentachlorophenol	3.818	0.20	5	0	76.4	19 - 121				
Phenanthrene	4.213	0.10	5	0	84.3	45 - 121				
Phenol	4.096	0.20	5	0	81.9	20 - 124				
Pyrene	4.365	0.10	5	0	87.3	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.992*	*0.20*	*5*	*0*	*99.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.872*	*0.20*	*5*	*0*	*97.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.298*	*0.20*	*5*	*0*	*66.0*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.283*	*0.20*	*5*	*0*	*106*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.421*	*0.20*	*5*	*0*	*88.4*	*41 - 120*				
Surr: Phenol-d6	*4.625*	*0.20*	*5*	*0*	*92.5*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24080208-09MS** Units: **ug/L** Analysis Date: **10-Aug-2024 15:23**
Client ID: Run ID: **SV-9_474267** SeqNo: **8187485** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.742	0.20	5	0	74.8	39 - 127				
2,4-Dimethylphenol	3.518	0.20	5	0	70.4	35 - 120				
2,4-Dinitrotoluene	3.92	0.20	5	0	78.4	50 - 122				
2,6-Dinitrotoluene	3.767	0.20	5	0	75.3	50 - 120				
2-Chloronaphthalene	3.836	0.20	5	0	76.7	50 - 120				
2-Methylnaphthalene	3.782	0.10	5	0	75.6	50 - 120				
4,6-Dinitro-2-methylphenol	3.613	1.0	5	0	72.3	25 - 121				
4-Nitrophenol	3.599	1.0	5	0	72.0	30 - 130				
Acenaphthene	3.602	0.10	5	0	72.0	45 - 120				
Acenaphthylene	3.542	0.10	5	0	70.8	47 - 120				
Anthracene	4.091	0.10	5	0	81.8	45 - 120				
Benz(a)anthracene	3.734	0.10	5	0	74.7	40 - 120				
Benzo(a)pyrene	3.705	0.10	5	0	74.1	45 - 120				
Bis(2-chloroethoxy)methane	3.847	0.20	5	0	76.9	45 - 120				
Bis(2-ethylhexyl)phthalate	4.054	0.20	5	0	81.1	40 - 139				
Chrysene	3.903	0.10	5	0	78.1	43 - 120				
Dibenzofuran	3.749	0.10	5	0	75.0	50 - 120				
Di-n-butyl phthalate	4.243	0.20	5	0	84.9	45 - 123				
Fluoranthene	4.05	0.10	5	0	81.0	45 - 125				
Fluorene	3.597	0.10	5	0	71.9	49 - 120				
Naphthalene	3.561	0.10	5	0.08532	69.5	45 - 120				
Nitrobenzene	3.541	0.20	5	0	70.8	44 - 120				
N-Nitrosodiphenylamine	3.93	0.20	5	0	78.6	40 - 125				
Pentachlorophenol	4.09	0.20	5	0	81.8	19 - 121				
Phenanthrene	3.89	0.10	5	0	77.8	45 - 121				
Phenol	3.38	0.20	5	0	67.6	20 - 124				
Pyrene	3.951	0.10	5	0	79.0	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.183*	*0.20*	*5*	*0*	*83.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.103*	*0.20*	*5*	*0*	*82.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.306*	*0.20*	*5*	*0*	*66.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.469*	*0.20*	*5*	*0*	*89.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.926*	*0.20*	*5*	*0*	*78.5*	*41 - 120*				
Surr: Phenol-d6	*3.515*	*0.20*	*5*	*0*	*70.3*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24080208-09MSD** Units: **ug/L** Analysis Date: **10-Aug-2024 15:45**
Client ID: Run ID: **SV-9_474267** SeqNo: **8187486** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.321	0.20	5	0	86.4	39 - 127	3.742	14.4	20	
2,4-Dimethylphenol	3.546	0.20	5	0	70.9	35 - 120	3.518	0.789	20	
2,4-Dinitrotoluene	4.131	0.20	5	0	82.6	50 - 122	3.92	5.24	20	
2,6-Dinitrotoluene	3.839	0.20	5	0	76.8	50 - 120	3.767	1.89	20	
2-Chloronaphthalene	3.759	0.20	5	0	75.2	50 - 120	3.836	2.03	20	
2-Methylnaphthalene	3.86	0.10	5	0	77.2	50 - 120	3.782	2.03	20	
4,6-Dinitro-2-methylphenol	3.516	1.0	5	0	70.3	25 - 121	3.613	2.73	30	
4-Nitrophenol	3.878	1.0	5	0	77.6	30 - 130	3.599	7.49	20	
Acenaphthene	3.791	0.10	5	0	75.8	45 - 120	3.602	5.09	20	
Acenaphthylene	3.751	0.10	5	0	75.0	47 - 120	3.542	5.73	20	
Anthracene	4.213	0.10	5	0	84.3	45 - 120	4.091	2.92	20	
Benz(a)anthracene	3.774	0.10	5	0	75.5	40 - 120	3.734	1.09	20	
Benzo(a)pyrene	3.875	0.10	5	0	77.5	45 - 120	3.705	4.47	20	
Bis(2-chloroethoxy)methane	3.819	0.20	5	0	76.4	45 - 120	3.847	0.747	20	
Bis(2-ethylhexyl)phthalate	4.127	0.20	5	0	82.5	40 - 139	4.054	1.79	20	
Chrysene	4.183	0.10	5	0	83.7	43 - 120	3.903	6.93	20	
Dibenzofuran	3.961	0.10	5	0	79.2	50 - 120	3.749	5.49	20	
Di-n-butyl phthalate	3.307	0.20	5	0	66.1	45 - 123	4.243	24.8	20	R
Fluoranthene	3.209	0.10	5	0	64.2	45 - 125	4.05	23.2	20	R
Fluorene	3.773	0.10	5	0	75.5	49 - 120	3.597	4.79	20	
Naphthalene	3.819	0.10	5	0.08532	74.7	45 - 120	3.561	6.97	20	
Nitrobenzene	3.76	0.20	5	0	75.2	44 - 120	3.541	6.01	20	
N-Nitrosodiphenylamine	4.004	0.20	5	0	80.1	40 - 125	3.93	1.86	20	
Pentachlorophenol	4.033	0.20	5	0	80.7	19 - 121	4.09	1.41	20	
Phenanthrene	4	0.10	5	0	80.0	45 - 121	3.89	2.81	20	
Phenol	3.767	0.20	5	0	75.3	20 - 124	3.38	10.8	20	
Pyrene	4.046	0.10	5	0	80.9	40 - 130	3.951	2.36	20	
Surr: 2,4,6-Tribromophenol	*3.766*	*0.20*	*5*	*0*	*75.3*	*34 - 129*	*4.183*	*10.5*	*20*	
Surr: 2-Fluorobiphenyl	*3.832*	*0.20*	*5*	*0*	*76.6*	*40 - 125*	*4.103*	*6.83*	*20*	
Surr: 2-Fluorophenol	*3.302*	*0.20*	*5*	*0*	*66.0*	*20 - 120*	*3.306*	*0.127*	*20*	
Surr: 4-Terphenyl-d14	*4.5*	*0.20*	*5*	*0*	*90.0*	*40 - 135*	*4.469*	*0.695*	*20*	
Surr: Nitrobenzene-d5	*4.147*	*0.20*	*5*	*0*	*82.9*	*41 - 120*	*3.926*	*5.47*	*20*	
Surr: Phenol-d6	*3.827*	*0.20*	*5*	*0*	*76.5*	*20 - 120*	*3.515*	*8.51*	*20*	

The following samples were analyzed in this batch: HS24080003-10

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: R473987 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240807** Units: **ug/L** Analysis Date: **07-Aug-2024 13:27**
Client ID: Run ID: **VOA7_473987** SeqNo: **8181689** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*46.65*	*1.0*	*50*	*0*	*93.3*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*47.89*	*1.0*	*50*	*0*	*95.8*	*77 - 113*				
Surr: Dibromofluoromethane	*47.17*	*1.0*	*50*	*0*	*94.3*	*73 - 126*				
Surr: Toluene-d8	*49.85*	*1.0*	*50*	*0*	*99.7*	*81 - 120*				

LCS Sample ID: **VLCSW-240807** Units: **ug/L** Analysis Date: **07-Aug-2024 12:18**
Client ID: Run ID: **VOA7_473987** SeqNo: **8181687** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.9	1.0	20	0	99.5	70 - 124				
Benzene	20.03	1.0	20	0	100	74 - 120				
Chlorobenzene	19.8	1.0	20	0	99.0	76 - 113				
Ethylbenzene	20.25	1.0	20	0	101	77 - 117				
Methylene chloride	19.97	2.0	20	0	99.8	70 - 127				
Toluene	19.89	1.0	20	0	99.5	77 - 118				
Xylenes, Total	58.97	3.0	60	0	98.3	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.34*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.85*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*53.06*	*1.0*	*50*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*54.56*	*1.0*	*50*	*0*	*109*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: R473987 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240807** Units: **ug/L** Analysis Date: **07-Aug-2024 12:41**
Client ID: Run ID: **VOA7_473987** SeqNo: **8181688** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.93	1.0	20	0	94.6	70 - 124	19.9	5.02	20	
Benzene	19.51	1.0	20	0	97.5	74 - 120	20.03	2.65	20	
Chlorobenzene	18.88	1.0	20	0	94.4	76 - 113	19.8	4.8	20	
Ethylbenzene	19.44	1.0	20	0	97.2	77 - 117	20.25	4.07	20	
Methylene chloride	18.71	2.0	20	0	93.5	70 - 127	19.97	6.52	20	
Toluene	18.59	1.0	20	0	93.0	77 - 118	19.89	6.76	20	
Xylenes, Total	57.06	3.0	60	0	95.1	75 - 122	58.97	3.3	20	
Surr: 1,2-Dichloroethane-d4	*46.43*	*1.0*	*50*	*0*	*92.9*	*70 - 123*	*53.34*	*13.8*	*20*	
Surr: 4-Bromofluorobenzene	*47.46*	*1.0*	*50*	*0*	*94.9*	*77 - 113*	*52.85*	*10.7*	*20*	
Surr: Dibromofluoromethane	*47.25*	*1.0*	*50*	*0*	*94.5*	*73 - 126*	*53.06*	*11.6*	*20*	
Surr: Toluene-d8	*48.65*	*1.0*	*50*	*0*	*97.3*	*81 - 120*	*54.56*	*11.5*	*20*	

MS Sample ID: **HS24071852-04MS** Units: **ug/L** Analysis Date: **07-Aug-2024 22:11**
Client ID: Run ID: **VOA7_473987** SeqNo: **8181708** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.67	1.0	20	0	93.4	70 - 127				
Benzene	19.74	1.0	20	17.58	10.8	70 - 127				S
Chlorobenzene	18.98	1.0	20	6.12	64.3	70 - 114				S
Ethylbenzene	20.98	1.0	20	0	105	70 - 124				
Methylene chloride	17.78	2.0	20	0	88.9	70 - 128				
Toluene	19.57	1.0	20	1.143	92.1	70 - 123				
Xylenes, Total	57.88	3.0	60	0	96.5	70 - 130				
Surr: 1,2-Dichloroethane-d4	*50.3*	*1.0*	*50*	*0*	*101*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*48.37*	*1.0*	*50*	*0*	*96.7*	*77 - 113*				
Surr: Dibromofluoromethane	*48.19*	*1.0*	*50*	*0*	*96.4*	*77 - 123*				
Surr: Toluene-d8	*50.49*	*1.0*	*50*	*0*	*101*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: R473987 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24071852-04MSD** Units: **ug/L** Analysis Date: **07-Aug-2024 22:34**
Client ID: Run ID: **VOA7_473987** SeqNo: **8181709** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	18.38	1.0	20	0	91.9	70 - 127	18.67	1.59	20	
Benzene	18.79	1.0	20	17.58	6.06	70 - 127	19.74	4.9	20	S
Chlorobenzene	18.48	1.0	20	6.12	61.8	70 - 114	18.98	2.67	20	S
Ethylbenzene	19.24	1.0	20	0	96.2	70 - 124	20.98	8.65	20	
Methylene chloride	17.35	2.0	20	0	86.8	70 - 128	17.78	2.46	20	
Toluene	18.8	1.0	20	1.143	88.3	70 - 123	19.57	4.02	20	
Xylenes, Total	55.95	3.0	60	0	93.2	70 - 130	57.88	3.4	20	
Surr: 1,2-Dichloroethane-d4	*49.1*	*1.0*	*50*	*0*	*98.2*	*70 - 126*	*50.3*	*2.42*	*20*	
Surr: 4-Bromofluorobenzene	*51.23*	*1.0*	*50*	*0*	*102*	*77 - 113*	*48.37*	*5.74*	*20*	
Surr: Dibromofluoromethane	*48.15*	*1.0*	*50*	*0*	*96.3*	*77 - 123*	*48.19*	*0.0812*	*20*	
Surr: Toluene-d8	*52.25*	*1.0*	*50*	*0*	*104*	*82 - 127*	*50.49*	*3.43*	*20*	

The following samples were analyzed in this batch: HS24080003-01, HS24080003-02, HS24080003-03, HS24080003-04, HS24080003-05, HS24080003-06, HS24080003-07, HS24080003-08, HS24080003-09

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: R474350 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 11:21**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189358** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*49.8*	*1.0*	*50*	*0*	*99.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.3*	*1.0*	*50*	*0*	*98.6*	*77 - 113*				
Surr: Dibromofluoromethane	*46.49*	*1.0*	*50*	*0*	*93.0*	*73 - 126*				
Surr: Toluene-d8	*49.88*	*1.0*	*50*	*0*	*99.8*	*81 - 120*				

LCS Sample ID: **VLCSW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:12**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189356** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.4	1.0	20	0	97.0	70 - 124				
Benzene	19.63	1.0	20	0	98.1	74 - 120				
Chlorobenzene	19.22	1.0	20	0	96.1	76 - 113				
Ethylbenzene	20.82	1.0	20	0	104	77 - 117				
Methylene chloride	18.58	2.0	20	0	92.9	70 - 127				
Toluene	19.63	1.0	20	0	98.1	77 - 118				
Xylenes, Total	62.88	3.0	60	0	105	75 - 122				
Surr: 1,2-Dichloroethane-d4	*51.57*	*1.0*	*50*	*0*	*103*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.85*	*1.0*	*50*	*0*	*99.7*	*77 - 113*				
Surr: Dibromofluoromethane	*45.44*	*1.0*	*50*	*0*	*90.9*	*73 - 126*				
Surr: Toluene-d8	*50.8*	*1.0*	*50*	*0*	*102*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: R474350 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:35**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189357** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.95	1.0	20	0	99.8	70 - 124	19.4	2.8	20	
Benzene	19.24	1.0	20	0	96.2	74 - 120	19.63	1.99	20	
Chlorobenzene	19.51	1.0	20	0	97.5	76 - 113	19.22	1.51	20	
Ethylbenzene	20.39	1.0	20	0	102	77 - 117	20.82	2.08	20	
Methylene chloride	18.84	2.0	20	0	94.2	70 - 127	18.58	1.38	20	
Toluene	20.02	1.0	20	0	100	77 - 118	19.63	1.96	20	
Xylenes, Total	63.92	3.0	60	0	107	75 - 122	62.88	1.64	20	
Surr: 1,2-Dichloroethane-d4	*51.38*	*1.0*	*50*	*0*	*103*	*70 - 123*	*51.57*	*0.365*	*20*	
Surr: 4-Bromofluorobenzene	*49.46*	*1.0*	*50*	*0*	*98.9*	*77 - 113*	*49.85*	*0.793*	*20*	
Surr: Dibromofluoromethane	*46.04*	*1.0*	*50*	*0*	*92.1*	*73 - 126*	*45.44*	*1.31*	*20*	
Surr: Toluene-d8	*51.65*	*1.0*	*50*	*0*	*103*	*81 - 120*	*50.8*	*1.67*	*20*	

MS Sample ID: **HS24080208-09MS** Units: **ug/L** Analysis Date: **12-Aug-2024 19:35**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189379** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.06	1.0	20	0	90.3	70 - 127				
Benzene	18.96	1.0	20	0	94.8	70 - 127				
Chlorobenzene	17.89	1.0	20	0	89.4	70 - 114				
Ethylbenzene	20.08	1.0	20	0	100	70 - 124				
Methylene chloride	17.68	2.0	20	0	88.4	70 - 128				
Toluene	18.93	1.0	20	0	94.7	70 - 123				
Xylenes, Total	59.8	3.0	60	0	99.7	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.77*	*1.0*	*50*	*0*	*104*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.36*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*47.45*	*1.0*	*50*	*0*	*94.9*	*77 - 123*				
Surr: Toluene-d8	*51.36*	*1.0*	*50*	*0*	*103*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080003

QC BATCH REPORT

Batch ID: R474350 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24080208-09MSD** Units: **ug/L** Analysis Date: **12-Aug-2024 19:58**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189380** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	17.47	1.0	20	0	87.4	70 - 127	18.06	3.32	20	
Benzene	17.63	1.0	20	0	88.1	70 - 127	18.96	7.27	20	
Chlorobenzene	16.69	1.0	20	0	83.4	70 - 114	17.89	6.94	20	
Ethylbenzene	18.39	1.0	20	0	91.9	70 - 124	20.08	8.78	20	
Methylene chloride	16.69	2.0	20	0	83.4	70 - 128	17.68	5.76	20	
Toluene	17.55	1.0	20	0	87.7	70 - 123	18.93	7.6	20	
Xylenes, Total	55.25	3.0	60	0	92.1	70 - 130	59.8	7.9	20	
Surr: 1,2-Dichloroethane-d4	*51.5*	*1.0*	*50*	*0*	*103*	*70 - 126*	*51.77*	*0.534*	*20*	
Surr: 4-Bromofluorobenzene	*49.48*	*1.0*	*50*	*0*	*99.0*	*77 - 113*	*50.36*	*1.75*	*20*	
Surr: Dibromofluoromethane	*46.95*	*1.0*	*50*	*0*	*93.9*	*77 - 123*	*47.45*	*1.07*	*20*	
Surr: Toluene-d8	*50.98*	*1.0*	*50*	*0*	*102*	*82 - 127*	*51.36*	*0.744*	*20*	

The following samples were analyzed in this batch: HS24080003-10

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24080003**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 20-Nov-24

Sample Receipt Checklist

Work Order ID: HS24080003 **Date/Time Received:** **30-Jul-2024 17:00**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Kaycee Rogers	01-Aug-2024 00:21	**Reviewed by:**	/S/ Luis Aguilar	07-Aug-2024 19:28
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320991
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.4UC/5.4C, 5.8UC/5.8C	IR 34	
Cooler(s)/Kit(s):	52285, 52362		
Date/Time sample(s) sent to storage:	08/01/2024 0021		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Login Comments: Received trip blank not listed on COC.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 320991

HS24080003

WV

WSP Austin

Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	MS/MSD
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3443	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@als-joba.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW13-20240729	7-29-24	0838	GW	1,2,8	6	X	X	X								
2	WG-1620-MW20A-20240729	"	0948	"	"	6	X	X	X								
3	WG-1620-MW15A-20240729	"	1049	"	"	6	X	X	X								
4	WG-1620-MW15C-20240729	"	1210	"	"	6	X	X	X								
5	WG-1620-MW15B-20240729	"	1311	"	"	6	X	X	X								
6	WG-1620-MW42B-20240729	"	1418	"	"	6	X	X	X								
7	WG-1620-MW88A-20240729	"	1520	"	"	6	X	X	X								
8	WG-1620-MW88B-20240729	"	1638	"	"	18	X	X	X	X							
9	WG-1620-FB03-20240729	"	1700	"	"	6	X	X									
10	WG-1620-MW88C-20240730		0845	GW	1,2,8	6	X	X	X								

Sampler(s) Please Print & Sign: Dominic Baptiste

Shipment Method: carrier

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Dominic Baptiste	Date: 7.30.24	Time: 1700	Received by:
Relinquished by:	Date: 7.30.24	Time: 1700	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.
IR34	0.0
52245	5.4
52362	5.8

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV Std QC/Raw Data/CLP
- ☐ Other
- ☒ NELAP Checklist
- ☐ TRRP Checklist

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 16, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24080208**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 18 sample(s) on Aug 01, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080208**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS24080208**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/16/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080208					
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215754,215773,215797,R474211,R474350,R474473					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?		X			1	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2	
		Were MS/MSD RPDs within laboratory QC limits?	X					
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3	
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/16/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080208				
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215754,215773,215797,R474211,R474350,R474473				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		4
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/16/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24080208
Reviewer Name: Luis.Aguilar	Prep Batch Number(s): 215754,215773,215797,R474211,R474350,R474473

ER#[5]	Description
1	Batch 215797, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
2	Batch 215754, Semivolatiles Method SW8270, sample WG-1620-MW61A-20240731, MS/MSD RPD recovered above the RPD limit for Di-n-butyl phthalate, Fluoranthene
3	Log in Notes : Trip Blanks placed on hold, not on COC.
4	Batch 215754, Semivolatiles Method SW8270, sample WG-1620-FD04-20240731: Low area counts for 1, 4-Dichlorobenzene, Naphthalene-d8, Acenaphthene-d10,and Phenanthrene-d10.Sample was re-ran with similar results Batch 215754, Semivolatiles Method SW8270, sample WG-1620-MW-54B-20240731: Low area counts for Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12. Sample was re-ran with similar results Batch 215754, Semivolatiles Method SW8270, sample WG-1620-MW-99C-2024073: Low area counts for Naphthalene-d8, Acenaphthene-d10 and Phenanthrene-d10.Sample was re-ran with similar results Batch 215797, Semivolatiles Method SW8270, sample WG-1620-MW-54C-20240731: Low area counts for 1, 4-Dichlorobenzene, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12. Sample was re-ran x10 with similar results

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24080208

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24080208-01	WG-1620-MW60AR-20240730	GW		30-Jul-2024 15:20	01-Aug-2024 14:15	☐
HS24080208-02	WG-1620-MW60B-20240730	GW		30-Jul-2024 16:53	01-Aug-2024 14:15	☐
HS24080208-03	WG-1620-MW48C-20240730	GW		31-Jul-2024 09:17	01-Aug-2024 14:15	☐
HS24080208-04	WG-1620-MW59B-20240730	GW		31-Jul-2024 10:18	01-Aug-2024 14:15	☐
HS24080208-05	WG-1620-MW59A-20240731	GW		31-Jul-2024 11:32	01-Aug-2024 14:15	☐
HS24080208-06	WG-1620-MW69A-20240731	GW		31-Jul-2024 12:53	01-Aug-2024 14:15	☐
HS24080208-07	WG-1620-MW47A-20240731	GW		31-Jul-2024 14:35	01-Aug-2024 14:15	☐
HS24080208-08	WG-1620-MW61B-20240731	GW		31-Jul-2024 15:50	01-Aug-2024 14:15	☐
HS24080208-09	WG-1620-MW61A-20240731	GW		31-Jul-2024 16:40	01-Aug-2024 14:15	☐
HS24080208-10	WG-1620-MW-36B-20240731	GW		31-Jul-2024 08:25	01-Aug-2024 14:15	☐
HS24080208-11	WG-1620-MW-36A-20240731	GW		31-Jul-2024 09:20	01-Aug-2024 14:15	☐
HS24080208-12	WG-1620-MW-54B-20240731	GW		31-Jul-2024 10:15	01-Aug-2024 14:15	☐
HS24080208-13	WG-1620-MW-99C-20240731	GW		31-Jul-2024 11:00	01-Aug-2024 14:15	☐
HS24080208-14	WG-1620-FD04-20240731	GW		31-Jul-2024 08:30	01-Aug-2024 14:15	☐
HS24080208-15	WG-1620-MW-54C-20240731	GW		31-Jul-2024 12:25	01-Aug-2024 14:15	☐
HS24080208-16	WG-1620-FD05-20240731	GW		31-Jul-2024 12:30	01-Aug-2024 14:15	☐
HS24080208-17	WG-1620-FB04-20240731	GW		31-Jul-2024 15:00	01-Aug-2024 14:15	☐
HS24080208-18	TRIP BLANK	Water	CG-071124-198	31-Jul-2024 00:00	01-Aug-2024 14:15	☑

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW60AR-20240730
Collection Date: 30-Jul-2024 15:20

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	13-Aug-2024 11:47
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	13-Aug-2024 11:47
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Aug-2024 11:47
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Aug-2024 11:47
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	13-Aug-2024 11:47
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	13-Aug-2024 11:47
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	13-Aug-2024 11:47
Surr: 1,2-Dichloroethane-d4	*98.4*			*70-126*	*%REC*	*1*	*13-Aug-2024 11:47*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*13-Aug-2024 11:47*
Surr: Dibromofluoromethane	*94.7*			*77-123*	*%REC*	*1*	*13-Aug-2024 11:47*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*13-Aug-2024 11:47*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW60AR-20240730
Collection Date: 30-Jul-2024 15:20

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 19:38
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2024 19:38
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2024 19:38
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2024 19:38
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 19:38
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 19:38
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2024 19:38
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2024 19:38
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2024 19:38
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2024 19:38
Anthracene	**0.000029**	J	**0.000014**	**0.00010**	**mg/L**	1	10-Aug-2024 19:38
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2024 19:38
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 19:38
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2024 19:38
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2024 19:38
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 19:38
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2024 19:38
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 19:38
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	10-Aug-2024 19:38
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2024 19:38
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2024 19:38
Naphthalene	**0.000084**	J	**0.000020**	**0.00010**	**mg/L**	1	10-Aug-2024 19:38
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2024 19:38
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2024 19:38
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 19:38
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2024 19:38
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 19:38
Surr: 2,4,6-Tribromophenol	*72.1*			*34-129*	*%REC*	*1*	*10-Aug-2024 19:38*
Surr: 2-Fluorobiphenyl	*63.0*			*40-125*	*%REC*	*1*	*10-Aug-2024 19:38*
Surr: 2-Fluorophenol	*58.3*			*20-120*	*%REC*	*1*	*10-Aug-2024 19:38*
Surr: 4-Terphenyl-d14	*88.0*			*40-135*	*%REC*	*1*	*10-Aug-2024 19:38*
Surr: Nitrobenzene-d5	*62.2*			*41-120*	*%REC*	*1*	*10-Aug-2024 19:38*
Surr: Phenol-d6	*67.0*			*20-120*	*%REC*	*1*	*10-Aug-2024 19:38*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.000883**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 14:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW60B-20240730
Lab ID:HS24080208-02
Collection Date: 30-Jul-2024 16:53
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	13-Aug-2024 12:10
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	13-Aug-2024 12:10
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Aug-2024 12:10
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Aug-2024 12:10
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	13-Aug-2024 12:10
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	13-Aug-2024 12:10
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	13-Aug-2024 12:10
Surr: 1,2-Dichloroethane-d4	*98.9*			*70-126*	*%REC*	*1*	*13-Aug-2024 12:10*
Surr: 4-Bromofluorobenzene	*95.9*			*77-113*	*%REC*	*1*	*13-Aug-2024 12:10*
Surr: Dibromofluoromethane	*89.5*			*77-123*	*%REC*	*1*	*13-Aug-2024 12:10*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*13-Aug-2024 12:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW60B-20240730
Collection Date: 30-Jul-2024 16:53

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-02
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 20:01
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2024 20:01
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2024 20:01
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2024 20:01
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 20:01
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 20:01
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2024 20:01
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2024 20:01
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2024 20:01
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2024 20:01
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	10-Aug-2024 20:01
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2024 20:01
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:01
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2024 20:01
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2024 20:01
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 20:01
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2024 20:01
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:01
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	10-Aug-2024 20:01
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2024 20:01
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2024 20:01
Naphthalene	**0.000024**	J	**0.000020**	**0.00010**	**mg/L**	1	10-Aug-2024 20:01
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2024 20:01
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2024 20:01
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 20:01
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2024 20:01
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 20:01
Surr: 2,4,6-Tribromophenol	*67.0*			*34-129*	*%REC*	*1*	*10-Aug-2024 20:01*
Surr: 2-Fluorobiphenyl	*61.5*			*40-125*	*%REC*	*1*	*10-Aug-2024 20:01*
Surr: 2-Fluorophenol	*54.3*			*20-120*	*%REC*	*1*	*10-Aug-2024 20:01*
Surr: 4-Terphenyl-d14	*91.0*			*40-135*	*%REC*	*1*	*10-Aug-2024 20:01*
Surr: Nitrobenzene-d5	*67.4*			*41-120*	*%REC*	*1*	*10-Aug-2024 20:01*
Surr: Phenol-d6	*65.1*			*20-120*	*%REC*	*1*	*10-Aug-2024 20:01*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00124**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 14:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW48C-20240730
Collection Date: 31-Jul-2024 09:17

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-03
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.0010		0.0010	0.0050	mg/L	5	12-Aug-2024 14:23
Benzene	< 0.0010		0.0010	0.0050	mg/L	5	12-Aug-2024 14:23
Chlorobenzene	< 0.0015		0.0015	0.0050	mg/L	5	12-Aug-2024 14:23
Ethylbenzene	**0.022**		**0.0015**	**0.0050**	**mg/L**	5	12-Aug-2024 14:23
Methylene chloride	< 0.0050		0.0050	0.010	mg/L	5	12-Aug-2024 14:23
Toluene	< 0.0010		0.0010	0.0050	mg/L	5	12-Aug-2024 14:23
Xylenes, Total	**0.013**	J	**0.0015**	**0.015**	**mg/L**	5	12-Aug-2024 14:23
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*5*	*12-Aug-2024 14:23*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*5*	*12-Aug-2024 14:23*
Surr: Dibromofluoromethane	*93.4*			*77-123*	*%REC*	*5*	*12-Aug-2024 14:23*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*5*	*12-Aug-2024 14:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW48C-20240730
Collection Date: 31-Jul-2024 09:17

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-03
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 20:24
2,4-Dimethylphenol	**0.000057**	J	**0.000040**	**0.00020**	**mg/L**	1	10-Aug-2024 20:24
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2024 20:24
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2024 20:24
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 20:24
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 20:24
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2024 20:24
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2024 20:24
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2024 20:24
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2024 20:24
Anthracene	**0.000017**	J	**0.000014**	**0.00010**	**mg/L**	1	10-Aug-2024 20:24
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2024 20:24
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:24
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2024 20:24
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2024 20:24
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 20:24
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2024 20:24
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:24
Fluoranthene	**0.000015**	J	**0.000010**	**0.00010**	**mg/L**	1	10-Aug-2024 20:24
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2024 20:24
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2024 20:24
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:24
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2024 20:24
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2024 20:24
Phenanthrene	**0.000039**	J	**0.000021**	**0.00010**	**mg/L**	1	10-Aug-2024 20:24
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2024 20:24
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 20:24
Surr: 2,4,6-Tribromophenol	*64.1*			*34-129*	*%REC*	*1*	*10-Aug-2024 20:24*
Surr: 2-Fluorobiphenyl	*70.9*			*40-125*	*%REC*	*1*	*10-Aug-2024 20:24*
Surr: 2-Fluorophenol	*52.6*			*20-120*	*%REC*	*1*	*10-Aug-2024 20:24*
Surr: 4-Terphenyl-d14	*98.0*			*40-135*	*%REC*	*1*	*10-Aug-2024 20:24*
Surr: Nitrobenzene-d5	*68.7*			*41-120*	*%REC*	*1*	*10-Aug-2024 20:24*
Surr: Phenol-d6	*63.4*			*20-120*	*%REC*	*1*	*10-Aug-2024 20:24*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00267**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 14:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW59B-20240730
Lab ID:HS24080208-04
Collection Date: 31-Jul-2024 10:18
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 16:23
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 16:23
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 16:23
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 16:23
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 16:23
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 16:23
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 16:23
Surr: 1,2-Dichloroethane-d4	*90.6*			*70-126*	*%REC*	*1*	*10-Aug-2024 16:23*
Surr: 4-Bromofluorobenzene	*96.2*			*77-113*	*%REC*	*1*	*10-Aug-2024 16:23*
Surr: Dibromofluoromethane	*91.9*			*77-123*	*%REC*	*1*	*10-Aug-2024 16:23*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*10-Aug-2024 16:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59B-20240730
Collection Date: 31-Jul-2024 10:18

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-04
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 20:47
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2024 20:47
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2024 20:47
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2024 20:47
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 20:47
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 20:47
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2024 20:47
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2024 20:47
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2024 20:47
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2024 20:47
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	10-Aug-2024 20:47
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2024 20:47
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:47
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2024 20:47
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2024 20:47
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 20:47
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2024 20:47
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:47
Fluoranthene	**0.000011**	J	**0.000010**	**0.00010**	**mg/L**	1	10-Aug-2024 20:47
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2024 20:47
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2024 20:47
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 20:47
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2024 20:47
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2024 20:47
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 20:47
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2024 20:47
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 20:47
Surr: 2,4,6-Tribromophenol	*50.9*			*34-129*	*%REC*	*1*	*10-Aug-2024 20:47*
Surr: 2-Fluorobiphenyl	*92.4*			*40-125*	*%REC*	*1*	*10-Aug-2024 20:47*
Surr: 2-Fluorophenol	*83.8*			*20-120*	*%REC*	*1*	*10-Aug-2024 20:47*
Surr: 4-Terphenyl-d14	*129*			*40-135*	*%REC*	*1*	*10-Aug-2024 20:47*
Surr: Nitrobenzene-d5	*80.3*			*41-120*	*%REC*	*1*	*10-Aug-2024 20:47*
Surr: Phenol-d6	*73.9*			*20-120*	*%REC*	*1*	*10-Aug-2024 20:47*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00386**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59A-20240731
Collection Date: 31-Jul-2024 11:32

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-05
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 16:46
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 16:46
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 16:46
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 16:46
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 16:46
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 16:46
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 16:46
Surr: 1,2-Dichloroethane-d4	*94.8*			*70-126*	*%REC*	*1*	*10-Aug-2024 16:46*
Surr: 4-Bromofluorobenzene	*94.2*			*77-113*	*%REC*	*1*	*10-Aug-2024 16:46*
Surr: Dibromofluoromethane	*93.7*			*77-123*	*%REC*	*1*	*10-Aug-2024 16:46*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*10-Aug-2024 16:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59A-20240731
Collection Date: 31-Jul-2024 11:32

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-05
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 21:11
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2024 21:11
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2024 21:11
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2024 21:11
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 21:11
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 21:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2024 21:11
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2024 21:11
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2024 21:11
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2024 21:11
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	10-Aug-2024 21:11
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2024 21:11
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 21:11
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2024 21:11
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2024 21:11
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 21:11
Di-n-butyl phthalate	**0.000023**	J	**0.000020**	**0.00020**	**mg/L**	1	10-Aug-2024 21:11
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 21:11
Fluoranthene	**0.000016**	J	**0.000010**	**0.00010**	**mg/L**	1	10-Aug-2024 21:11
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2024 21:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2024 21:11
Naphthalene	**0.000034**	J	**0.000020**	**0.00010**	**mg/L**	1	10-Aug-2024 21:11
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2024 21:11
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2024 21:11
Phenanthrene	**0.000023**	J	**0.000021**	**0.00010**	**mg/L**	1	10-Aug-2024 21:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2024 21:11
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 21:11
Surr: 2,4,6-Tribromophenol	*110*			*34-129*	*%REC*	*1*	*10-Aug-2024 21:11*
Surr: 2-Fluorobiphenyl	*86.6*			*40-125*	*%REC*	*1*	*10-Aug-2024 21:11*
Surr: 2-Fluorophenol	*77.8*			*20-120*	*%REC*	*1*	*10-Aug-2024 21:11*
Surr: 4-Terphenyl-d14	*127*			*40-135*	*%REC*	*1*	*10-Aug-2024 21:11*
Surr: Nitrobenzene-d5	*78.3*			*41-120*	*%REC*	*1*	*10-Aug-2024 21:11*
Surr: Phenol-d6	*104*			*20-120*	*%REC*	*1*	*10-Aug-2024 21:11*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00428**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW69A-20240731
Lab ID:HS24080208-06
Collection Date: 31-Jul-2024 12:53
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:09
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:09
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 17:09
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 17:09
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 17:09
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:09
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 17:09
Surr: 1,2-Dichloroethane-d4	*96.6*			*70-126*	*%REC*	*1*	*10-Aug-2024 17:09*
Surr: 4-Bromofluorobenzene	*92.9*			*77-113*	*%REC*	*1*	*10-Aug-2024 17:09*
Surr: Dibromofluoromethane	*96.2*			*77-123*	*%REC*	*1*	*10-Aug-2024 17:09*
Surr: Toluene-d8	*100.0*			*82-127*	*%REC*	*1*	*10-Aug-2024 17:09*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW69A-20240731
Collection Date: 31-Jul-2024 12:53

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-06
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 16:02
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 16:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 16:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 16:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 16:02
2-Methylnaphthalene	**0.000035**	J	**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 16:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 16:02
Acenaphthene	**0.000067**	J	**0.000027**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 16:02
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Aug-2024 16:02
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 16:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 16:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 16:02
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 16:02
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 16:02
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 16:02
Dibenzofuran	**0.000033**	J	**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
Fluoranthene	**0.000041**	J	**0.000010**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
Fluorene	**0.000034**	J	**0.000030**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 16:02
Naphthalene	**0.00013**		**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 16:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 16:02
Phenanthrene	**0.000053**	J	**0.000021**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 16:02
Pyrene	**0.000042**	J	**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 16:02
Surr: 2,4,6-Tribromophenol	*63.9*			*34-129*	*%REC*	*1*	*12-Aug-2024 16:02*
Surr: 2-Fluorobiphenyl	*69.5*			*40-125*	*%REC*	*1*	*12-Aug-2024 16:02*
Surr: 2-Fluorophenol	*63.0*			*20-120*	*%REC*	*1*	*12-Aug-2024 16:02*
Surr: 4-Terphenyl-d14	*84.4*			*40-135*	*%REC*	*1*	*12-Aug-2024 16:02*
Surr: Nitrobenzene-d5	*72.6*			*41-120*	*%REC*	*1*	*12-Aug-2024 16:02*
Surr: Phenol-d6	*68.7*			*20-120*	*%REC*	*1*	*12-Aug-2024 16:02*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00260**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47A-20240731
Collection Date: 31-Jul-2024 14:35

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-07
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:32
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:32
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 17:32
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 17:32
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 17:32
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:32
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 17:32
Surr: 1,2-Dichloroethane-d4	*92.6*			*70-126*	*%REC*	*1*	*10-Aug-2024 17:32*
Surr: 4-Bromofluorobenzene	*95.3*			*77-113*	*%REC*	*1*	*10-Aug-2024 17:32*
Surr: Dibromofluoromethane	*93.6*			*77-123*	*%REC*	*1*	*10-Aug-2024 17:32*
Surr: Toluene-d8	*99.4*			*82-127*	*%REC*	*1*	*10-Aug-2024 17:32*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47A-20240731
Collection Date: 31-Jul-2024 14:35

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-07
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 16:25
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 16:25
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 16:25
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 16:25
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 16:25
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 16:25
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 16:25
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 16:25
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Aug-2024 16:25
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 16:25
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Aug-2024 16:25
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 16:25
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 16:25
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 16:25
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 16:25
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 16:25
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 16:25
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 16:25
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Aug-2024 16:25
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Aug-2024 16:25
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 16:25
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 16:25
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 16:25
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 16:25
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 16:25
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 16:25
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 16:25
Surr: 2,4,6-Tribromophenol	*64.4*			*34-129*	*%REC*	*1*	*12-Aug-2024 16:25*
Surr: 2-Fluorobiphenyl	*69.5*			*40-125*	*%REC*	*1*	*12-Aug-2024 16:25*
Surr: 2-Fluorophenol	*63.6*			*20-120*	*%REC*	*1*	*12-Aug-2024 16:25*
Surr: 4-Terphenyl-d14	*91.5*			*40-135*	*%REC*	*1*	*12-Aug-2024 16:25*
Surr: Nitrobenzene-d5	*84.3*			*41-120*	*%REC*	*1*	*12-Aug-2024 16:25*
Surr: Phenol-d6	*71.8*			*20-120*	*%REC*	*1*	*12-Aug-2024 16:25*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00114**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW61B-20240731
Collection Date: 31-Jul-2024 15:50

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-08
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:54
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:54
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 17:54
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 17:54
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 17:54
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 17:54
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 17:54
Surr: 1,2-Dichloroethane-d4	*93.8*			*70-126*	*%REC*	*1*	*10-Aug-2024 17:54*
Surr: 4-Bromofluorobenzene	*93.6*			*77-113*	*%REC*	*1*	*10-Aug-2024 17:54*
Surr: Dibromofluoromethane	*94.5*			*77-123*	*%REC*	*1*	*10-Aug-2024 17:54*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*10-Aug-2024 17:54*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW61B-20240731
Collection Date: 31-Jul-2024 15:50

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-08
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 16:49
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 16:49
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 16:49
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 16:49
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 16:49
2-Methylnaphthalene	**0.000026**	J	**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 16:49
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 16:49
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 16:49
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Aug-2024 16:49
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 16:49
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Aug-2024 16:49
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 16:49
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 16:49
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 16:49
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 16:49
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 16:49
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 16:49
Dibenzofuran	**0.000036**	J	**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 16:49
Fluoranthene	**0.000011**	J	**0.000010**	**0.00010**	**mg/L**	1	12-Aug-2024 16:49
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Aug-2024 16:49
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 16:49
Naphthalene	**0.00010**		**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 16:49
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 16:49
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 16:49
Phenanthrene	**0.000047**	J	**0.000021**	**0.00010**	**mg/L**	1	12-Aug-2024 16:49
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 16:49
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 16:49
Surr: 2,4,6-Tribromophenol	*64.0*			*34-129*	*%REC*	*1*	*12-Aug-2024 16:49*
Surr: 2-Fluorobiphenyl	*69.7*			*40-125*	*%REC*	*1*	*12-Aug-2024 16:49*
Surr: 2-Fluorophenol	*58.1*			*20-120*	*%REC*	*1*	*12-Aug-2024 16:49*
Surr: 4-Terphenyl-d14	*86.1*			*40-135*	*%REC*	*1*	*12-Aug-2024 16:49*
Surr: Nitrobenzene-d5	*63.5*			*41-120*	*%REC*	*1*	*12-Aug-2024 16:49*
Surr: Phenol-d6	*65.5*			*20-120*	*%REC*	*1*	*12-Aug-2024 16:49*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00225**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW61A-20240731
Lab ID:HS24080208-09
Collection Date: 31-Jul-2024 16:40
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Aug-2024 14:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Aug-2024 14:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Aug-2024 14:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Aug-2024 14:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Aug-2024 14:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Aug-2024 14:00
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Aug-2024 14:00
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*12-Aug-2024 14:00*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*12-Aug-2024 14:00*
Surr: Dibromofluoromethane	*94.8*			*77-123*	*%REC*	*1*	*12-Aug-2024 14:00*
Surr: Toluene-d8	*99.3*			*82-127*	*%REC*	*1*	*12-Aug-2024 14:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW61A-20240731
Collection Date: 31-Jul-2024 16:40

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-09
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 15:00
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2024 15:00
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2024 15:00
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2024 15:00
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2024 15:00
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 15:00
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2024 15:00
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2024 15:00
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2024 15:00
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2024 15:00
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	10-Aug-2024 15:00
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2024 15:00
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 15:00
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2024 15:00
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2024 15:00
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 15:00
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2024 15:00
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2024 15:00
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	10-Aug-2024 15:00
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2024 15:00
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2024 15:00
Naphthalene	**0.000085**	J	**0.000020**	**0.00010**	**mg/L**	1	10-Aug-2024 15:00
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2024 15:00
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2024 15:00
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2024 15:00
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2024 15:00
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2024 15:00
Surr: 2,4,6-Tribromophenol	*76.0*			*34-129*	*%REC*	*1*	*10-Aug-2024 15:00*
Surr: 2-Fluorobiphenyl	*79.4*			*40-125*	*%REC*	*1*	*10-Aug-2024 15:00*
Surr: 2-Fluorophenol	*45.2*			*20-120*	*%REC*	*1*	*10-Aug-2024 15:00*
Surr: 4-Terphenyl-d14	*99.1*			*40-135*	*%REC*	*1*	*10-Aug-2024 15:00*
Surr: Nitrobenzene-d5	*80.1*			*41-120*	*%REC*	*1*	*10-Aug-2024 15:00*
Surr: Phenol-d6	*54.6*			*20-120*	*%REC*	*1*	*10-Aug-2024 15:00*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00268**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 14:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW-36B-20240731
Collection Date: 31-Jul-2024 08:25

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 18:40
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 18:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 18:40
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 18:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 18:40
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 18:40
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 18:40
Surr: 1,2-Dichloroethane-d4	*94.7*			*70-126*	*%REC*	*1*	*10-Aug-2024 18:40*
Surr: 4-Bromofluorobenzene	*94.7*			*77-113*	*%REC*	*1*	*10-Aug-2024 18:40*
Surr: Dibromofluoromethane	*95.4*			*77-123*	*%REC*	*1*	*10-Aug-2024 18:40*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*10-Aug-2024 18:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW-36B-20240731
Collection Date: 31-Jul-2024 08:25

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 17:11
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 17:11
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 17:11
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 17:11
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 17:11
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 17:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 17:11
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 17:11
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Aug-2024 17:11
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 17:11
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Aug-2024 17:11
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 17:11
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:11
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 17:11
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 17:11
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 17:11
Di-n-butyl phthalate	**0.000022**	J	**0.000020**	**0.00020**	**mg/L**	1	12-Aug-2024 17:11
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:11
Fluoranthene	**0.000013**	J	**0.000010**	**0.00010**	**mg/L**	1	12-Aug-2024 17:11
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Aug-2024 17:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 17:11
Naphthalene	**0.000043**	J	**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 17:11
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 17:11
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 17:11
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 17:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 17:11
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 17:11
Surr: 2,4,6-Tribromophenol	*68.0*			*34-129*	*%REC*	*1*	*12-Aug-2024 17:11*
Surr: 2-Fluorobiphenyl	*77.1*			*40-125*	*%REC*	*1*	*12-Aug-2024 17:11*
Surr: 2-Fluorophenol	*65.2*			*20-120*	*%REC*	*1*	*12-Aug-2024 17:11*
Surr: 4-Terphenyl-d14	*94.7*			*40-135*	*%REC*	*1*	*12-Aug-2024 17:11*
Surr: Nitrobenzene-d5	*81.4*			*41-120*	*%REC*	*1*	*12-Aug-2024 17:11*
Surr: Phenol-d6	*73.9*			*20-120*	*%REC*	*1*	*12-Aug-2024 17:11*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.000971**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW-36A-20240731
Lab ID:HS24080208-11
Collection Date: 31-Jul-2024 09:20
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:03
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:03
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 19:03
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 19:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 19:03
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:03
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 19:03
Surr: 1,2-Dichloroethane-d4	*93.7*			*70-126*	*%REC*	*1*	*10-Aug-2024 19:03*
Surr: 4-Bromofluorobenzene	*95.0*			*77-113*	*%REC*	*1*	*10-Aug-2024 19:03*
Surr: Dibromofluoromethane	*92.0*			*77-123*	*%REC*	*1*	*10-Aug-2024 19:03*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*10-Aug-2024 19:03*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW-36A-20240731
Collection Date: 31-Jul-2024 09:20

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-11
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 17:34
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 17:34
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 17:34
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 17:34
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 17:34
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 17:34
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 17:34
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 17:34
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Aug-2024 17:34
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 17:34
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Aug-2024 17:34
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 17:34
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:34
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 17:34
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 17:34
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 17:34
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 17:34
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:34
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Aug-2024 17:34
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Aug-2024 17:34
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 17:34
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:34
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 17:34
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 17:34
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 17:34
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 17:34
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 17:34
Surr: 2,4,6-Tribromophenol	*76.1*			*34-129*	*%REC*	*1*	*12-Aug-2024 17:34*
Surr: 2-Fluorobiphenyl	*76.8*			*40-125*	*%REC*	*1*	*12-Aug-2024 17:34*
Surr: 2-Fluorophenol	*66.9*			*20-120*	*%REC*	*1*	*12-Aug-2024 17:34*
Surr: 4-Terphenyl-d14	*97.5*			*40-135*	*%REC*	*1*	*12-Aug-2024 17:34*
Surr: Nitrobenzene-d5	*78.5*			*41-120*	*%REC*	*1*	*12-Aug-2024 17:34*
Surr: Phenol-d6	*73.3*			*20-120*	*%REC*	*1*	*12-Aug-2024 17:34*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00125**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW-54B-20240731
Lab ID:HS24080208-12
Collection Date: 31-Jul-2024 10:15
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:26
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:26
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 19:26
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 19:26
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 19:26
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:26
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 19:26
Surr: 1,2-Dichloroethane-d4	*94.4*			*70-126*	*%REC*	*1*	*10-Aug-2024 19:26*
Surr: 4-Bromofluorobenzene	*95.8*			*77-113*	*%REC*	*1*	*10-Aug-2024 19:26*
Surr: Dibromofluoromethane	*90.4*			*77-123*	*%REC*	*1*	*10-Aug-2024 19:26*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*10-Aug-2024 19:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW-54B-20240731
Collection Date: 31-Jul-2024 10:15

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-12
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 17:58
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 17:58
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 17:58
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 17:58
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 17:58
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 17:58
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 17:58
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 17:58
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Aug-2024 17:58
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 17:58
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Aug-2024 17:58
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 17:58
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:58
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 17:58
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 17:58
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 17:58
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 17:58
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:58
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Aug-2024 17:58
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Aug-2024 17:58
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 17:58
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 17:58
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 17:58
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 17:58
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 17:58
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 17:58
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 17:58
Surr: 2,4,6-Tribromophenol	*79.2*			*34-129*	*%REC*	*1*	*12-Aug-2024 17:58*
Surr: 2-Fluorobiphenyl	*75.0*			*40-125*	*%REC*	*1*	*12-Aug-2024 17:58*
Surr: 2-Fluorophenol	*63.7*			*20-120*	*%REC*	*1*	*12-Aug-2024 17:58*
Surr: 4-Terphenyl-d14	*94.8*			*40-135*	*%REC*	*1*	*12-Aug-2024 17:58*
Surr: Nitrobenzene-d5	*87.0*			*41-120*	*%REC*	*1*	*12-Aug-2024 17:58*
Surr: Phenol-d6	*69.2*			*20-120*	*%REC*	*1*	*12-Aug-2024 17:58*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.000838**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW-99C-20240731
Lab ID:HS24080208-13
Collection Date: 31-Jul-2024 11:00
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:49
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:49
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 19:49
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 19:49
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 19:49
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 19:49
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 19:49
Surr: 1,2-Dichloroethane-d4	*98.6*			*70-126*	*%REC*	*1*	*10-Aug-2024 19:49*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*10-Aug-2024 19:49*
Surr: Dibromofluoromethane	*92.6*			*77-123*	*%REC*	*1*	*10-Aug-2024 19:49*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*10-Aug-2024 19:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW-99C-20240731
Collection Date: 31-Jul-2024 11:00

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-13
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:18
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 01:18
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 01:18
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 01:18
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:18
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:18
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 01:18
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 01:18
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	13-Aug-2024 01:18
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 01:18
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	13-Aug-2024 01:18
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 01:18
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:18
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 01:18
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 01:18
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:18
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 01:18
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:18
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	13-Aug-2024 01:18
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	13-Aug-2024 01:18
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 01:18
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:18
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 01:18
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 01:18
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:18
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 01:18
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:18
Surr: 2,4,6-Tribromophenol	*50.7*			*34-129*	*%REC*	*1*	*13-Aug-2024 01:18*
Surr: 2-Fluorobiphenyl	*79.5*			*40-125*	*%REC*	*1*	*13-Aug-2024 01:18*
Surr: 2-Fluorophenol	*67.4*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:18*
Surr: 4-Terphenyl-d14	*94.6*			*40-135*	*%REC*	*1*	*13-Aug-2024 01:18*
Surr: Nitrobenzene-d5	*79.8*			*41-120*	*%REC*	*1*	*13-Aug-2024 01:18*
Surr: Phenol-d6	*68.2*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:18*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.000778**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:54

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-FD04-20240731
Lab ID:HS24080208-14
Collection Date: 31-Jul-2024 08:30
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:12
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 20:12
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 20:12
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 20:12
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:12
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 20:12
Surr: 1,2-Dichloroethane-d4	*97.4*			*70-126*	*%REC*	*1*	*10-Aug-2024 20:12*
Surr: 4-Bromofluorobenzene	*90.9*			*77-113*	*%REC*	*1*	*10-Aug-2024 20:12*
Surr: Dibromofluoromethane	*92.8*			*77-123*	*%REC*	*1*	*10-Aug-2024 20:12*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*10-Aug-2024 20:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD04-20240731
Collection Date: 31-Jul-2024 08:30

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-14
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:42
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 01:42
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 01:42
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 01:42
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:42
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:42
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 01:42
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 01:42
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	13-Aug-2024 01:42
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 01:42
Anthracene	**0.000028**	J	**0.000014**	**0.00010**	**mg/L**	1	13-Aug-2024 01:42
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 01:42
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:42
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 01:42
Bis(2-ethylhexyl)phthalate	**0.00014**	J	**0.000037**	**0.00020**	**mg/L**	1	13-Aug-2024 01:42
Chrysene	**0.000027**	J	**0.000021**	**0.00010**	**mg/L**	1	13-Aug-2024 01:42
Di-n-butyl phthalate	**0.000042**	J	**0.000020**	**0.00020**	**mg/L**	1	13-Aug-2024 01:42
Dibenzofuran	**0.000024**	J	**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 01:42
Fluoranthene	**0.000057**	J	**0.000010**	**0.00010**	**mg/L**	1	13-Aug-2024 01:42
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	13-Aug-2024 01:42
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 01:42
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:42
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 01:42
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 01:42
Phenanthrene	**0.000053**	J	**0.000021**	**0.00010**	**mg/L**	1	13-Aug-2024 01:42
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 01:42
Pyrene	**0.000064**	J	**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 01:42
Surr: 2,4,6-Tribromophenol	*67.2*			*34-129*	*%REC*	*1*	*13-Aug-2024 01:42*
Surr: 2-Fluorobiphenyl	*72.2*			*40-125*	*%REC*	*1*	*13-Aug-2024 01:42*
Surr: 2-Fluorophenol	*53.9*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:42*
Surr: 4-Terphenyl-d14	*82.1*			*40-135*	*%REC*	*1*	*13-Aug-2024 01:42*
Surr: Nitrobenzene-d5	*73.6*			*41-120*	*%REC*	*1*	*13-Aug-2024 01:42*
Surr: Phenol-d6	*57.0*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:42*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.000863**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-MW-54C-20240731
Lab ID:HS24080208-15
Collection Date: 31-Jul-2024 12:25
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:35
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:35
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 20:35
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 20:35
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 20:35
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:35
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 20:35
Surr: 1,2-Dichloroethane-d4	*97.3*			*70-126*	*%REC*	*1*	*10-Aug-2024 20:35*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*10-Aug-2024 20:35*
Surr: Dibromofluoromethane	*93.9*			*77-123*	*%REC*	*1*	*10-Aug-2024 20:35*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*10-Aug-2024 20:35*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW-54C-20240731
Collection Date: 31-Jul-2024 12:25

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-15
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 06-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 00:57
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 00:57
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 00:57
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 00:57
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 00:57
2-Methylnaphthalene	**0.00060**		**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 00:57
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 00:57
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 00:57
Acenaphthene	**0.025**		**0.00027**	**0.0010**	**mg/L**	10	13-Aug-2024 18:16
Acenaphthylene	**0.00026**		**0.000015**	**0.00010**	**mg/L**	1	13-Aug-2024 00:57
Anthracene	**0.0010**		**0.000014**	**0.00010**	**mg/L**	1	13-Aug-2024 00:57
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 00:57
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 00:57
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 00:57
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 00:57
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 00:57
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 00:57
Dibenzofuran	**0.020**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 18:16
Fluoranthene	**0.0023**		**0.000010**	**0.00010**	**mg/L**	1	13-Aug-2024 00:57
Fluorene	**0.013**		**0.00030**	**0.0010**	**mg/L**	10	13-Aug-2024 18:16
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 00:57
Naphthalene	**0.0016**		**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 00:57
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 00:57
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 00:57
Phenanthrene	**0.0025**		**0.000021**	**0.00010**	**mg/L**	1	13-Aug-2024 00:57
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 00:57
Pyrene	**0.0012**		**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 00:57
Surr: 2,4,6-Tribromophenol	*45.2*			*34-129*	*%REC*	*1*	*13-Aug-2024 00:57*
Surr: 2,4,6-Tribromophenol	*58.8*			*34-129*	*%REC*	*10*	*13-Aug-2024 18:16*
Surr: 2-Fluorobiphenyl	*72.5*			*40-125*	*%REC*	*10*	*13-Aug-2024 18:16*
Surr: 2-Fluorobiphenyl	*69.4*			*40-125*	*%REC*	*1*	*13-Aug-2024 00:57*
Surr: 2-Fluorophenol	*42.7*			*20-120*	*%REC*	*1*	*13-Aug-2024 00:57*
Surr: 2-Fluorophenol	*61.8*			*20-120*	*%REC*	*10*	*13-Aug-2024 18:16*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*10*	*13-Aug-2024 18:16*
Surr: 4-Terphenyl-d14	*91.9*			*40-135*	*%REC*	*1*	*13-Aug-2024 00:57*
Surr: Nitrobenzene-d5	*72.5*			*41-120*	*%REC*	*1*	*13-Aug-2024 00:57*
Surr: Nitrobenzene-d5	*89.1*			*41-120*	*%REC*	*10*	*13-Aug-2024 18:16*
Surr: Phenol-d6	*47.1*			*20-120*	*%REC*	*10*	*13-Aug-2024 18:16*
Surr: Phenol-d6	*34.2*			*20-120*	*%REC*	*1*	*13-Aug-2024 00:57*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW-54C-20240731
Collection Date: 31-Jul-2024 12:25

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-15
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00116**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 15:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080208
Sample ID: WG-1620-FD05-20240731
Lab ID:HS24080208-16
Collection Date: 31-Jul-2024 12:30
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:58
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:58
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 20:58
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 20:58
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 20:58
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 20:58
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 20:58
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*10-Aug-2024 20:58*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*10-Aug-2024 20:58*
Surr: Dibromofluoromethane	*92.8*			*77-123*	*%REC*	*1*	*10-Aug-2024 20:58*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*10-Aug-2024 20:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD05-20240731
Collection Date: 31-Jul-2024 12:30

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-16
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 06-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 01:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 01:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 01:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:20
2-Methylnaphthalene	**0.00041**		**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 01:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 01:20
Acenaphthene	**0.019**		**0.00027**	**0.0010**	**mg/L**	10	13-Aug-2024 20:57
Acenaphthylene	**0.00019**		**0.000015**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
Anthracene	**0.00069**		**0.000014**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 01:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 01:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 01:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 01:20
Dibenzofuran	**0.015**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 20:57
Fluoranthene	**0.0015**		**0.000010**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
Fluorene	**0.0093**		**0.000030**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 01:20
Naphthalene	**0.0010**		**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 01:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 01:20
Phenanthrene	**0.0020**		**0.000021**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 01:20
Pyrene	**0.00078**		**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 01:20
Surr: 2,4,6-Tribromophenol	*45.3*			*34-129*	*%REC*	*10*	*13-Aug-2024 20:57*
Surr: 2,4,6-Tribromophenol	*84.6*			*34-129*	*%REC*	*1*	*13-Aug-2024 01:20*
Surr: 2-Fluorobiphenyl	*71.7*			*40-125*	*%REC*	*1*	*13-Aug-2024 01:20*
Surr: 2-Fluorobiphenyl	*67.9*			*40-125*	*%REC*	*10*	*13-Aug-2024 20:57*
Surr: 2-Fluorophenol	*53.9*			*20-120*	*%REC*	*10*	*13-Aug-2024 20:57*
Surr: 2-Fluorophenol	*59.3*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:20*
Surr: 4-Terphenyl-d14	*79.3*			*40-135*	*%REC*	*1*	*13-Aug-2024 01:20*
Surr: 4-Terphenyl-d14	*80.1*			*40-135*	*%REC*	*10*	*13-Aug-2024 20:57*
Surr: Nitrobenzene-d5	*68.9*			*41-120*	*%REC*	*10*	*13-Aug-2024 20:57*
Surr: Nitrobenzene-d5	*66.4*			*41-120*	*%REC*	*1*	*13-Aug-2024 01:20*
Surr: Phenol-d6	*49.1*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:20*
Surr: Phenol-d6	*40.8*			*20-120*	*%REC*	*10*	*13-Aug-2024 20:57*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD05-20240731
Collection Date: 31-Jul-2024 12:30

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-16
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	**0.00130**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB04-20240731
Collection Date: 31-Jul-2024 15:00

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-17
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 14:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 14:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 14:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	10-Aug-2024 14:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	10-Aug-2024 14:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	10-Aug-2024 14:51
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	10-Aug-2024 14:51
Surr: 1,2-Dichloroethane-d4	*92.7*			*70-126*	*%REC*	*1*	*10-Aug-2024 14:51*
Surr: 4-Bromofluorobenzene	*91.8*			*77-113*	*%REC*	*1*	*10-Aug-2024 14:51*
Surr: Dibromofluoromethane	*91.4*			*77-123*	*%REC*	*1*	*10-Aug-2024 14:51*
Surr: Toluene-d8	*99.9*			*82-127*	*%REC*	*1*	*10-Aug-2024 14:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB04-20240731
Collection Date: 31-Jul-2024 15:00

ANALYTICAL REPORT
WorkOrder:HS24080208
Lab ID:HS24080208-17
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 06-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 19:48
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 19:48
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 19:48
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 19:48
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 19:48
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 19:48
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 19:48
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 19:48
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	13-Aug-2024 19:48
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 19:48
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	13-Aug-2024 19:48
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 19:48
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 19:48
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 19:48
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 19:48
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 19:48
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 19:48
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 19:48
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	13-Aug-2024 19:48
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	13-Aug-2024 19:48
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 19:48
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 19:48
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 19:48
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 19:48
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 19:48
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 19:48
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 19:48
Surr: 2,4,6-Tribromophenol	*54.7*			*34-129*	*%REC*	*1*	*13-Aug-2024 19:48*
Surr: 2-Fluorobiphenyl	*70.0*			*40-125*	*%REC*	*1*	*13-Aug-2024 19:48*
Surr: 2-Fluorophenol	*60.9*			*20-120*	*%REC*	*1*	*13-Aug-2024 19:48*
Surr: 4-Terphenyl-d14	*85.5*			*40-135*	*%REC*	*1*	*13-Aug-2024 19:48*
Surr: Nitrobenzene-d5	*63.1*			*41-120*	*%REC*	*1*	*13-Aug-2024 19:48*
Surr: Phenol-d6	*57.0*			*20-120*	*%REC*	*1*	*13-Aug-2024 19:48*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 06-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	06-Aug-2024 16:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

Batch ID: 215754 **Start Date:** 05 Aug 2024 14:12 **End Date:** 05 Aug 2024 14:12
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080208-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 215773 **Start Date:** 06 Aug 2024 08:00 **End Date:** 06 Aug 2024 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080208-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-16		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080208-17		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215797 **Start Date:** 06 Aug 2024 12:58 **End Date:** 06 Aug 2024 12:58
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080208-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080208-17	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215754 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS24080208-01	WG-1620-MW60AR-20240730	30 Jul 2024 15:20		05 Aug 2024 14:12	10 Aug 2024 19:38	1
HS24080208-02	WG-1620-MW60B-20240730	30 Jul 2024 16:53		05 Aug 2024 14:12	10 Aug 2024 20:01	1
HS24080208-03	WG-1620-MW48C-20240730	31 Jul 2024 09:17		05 Aug 2024 14:12	10 Aug 2024 20:24	1
HS24080208-04	WG-1620-MW59B-20240730	31 Jul 2024 10:18		05 Aug 2024 14:12	10 Aug 2024 20:47	1
HS24080208-05	WG-1620-MW59A-20240731	31 Jul 2024 11:32		05 Aug 2024 14:12	10 Aug 2024 21:11	1
HS24080208-06	WG-1620-MW69A-20240731	31 Jul 2024 12:53		05 Aug 2024 14:12	12 Aug 2024 16:02	1
HS24080208-07	WG-1620-MW47A-20240731	31 Jul 2024 14:35		05 Aug 2024 14:12	12 Aug 2024 16:25	1
HS24080208-08	WG-1620-MW61B-20240731	31 Jul 2024 15:50		05 Aug 2024 14:12	12 Aug 2024 16:49	1
HS24080208-09	WG-1620-MW61A-20240731	31 Jul 2024 16:40		05 Aug 2024 14:12	10 Aug 2024 15:00	1
HS24080208-10	WG-1620-MW-36B-20240731	31 Jul 2024 08:25		05 Aug 2024 14:12	12 Aug 2024 17:11	1
HS24080208-11	WG-1620-MW-36A-20240731	31 Jul 2024 09:20		05 Aug 2024 14:12	12 Aug 2024 17:34	1
HS24080208-12	WG-1620-MW-54B-20240731	31 Jul 2024 10:15		05 Aug 2024 14:12	12 Aug 2024 17:58	1
HS24080208-13	WG-1620-MW-99C-20240731	31 Jul 2024 11:00		05 Aug 2024 14:12	13 Aug 2024 01:18	1
HS24080208-14	WG-1620-FD04-20240731	31 Jul 2024 08:30		05 Aug 2024 14:12	13 Aug 2024 01:42	1
Batch ID: 215773 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS24080208-01	WG-1620-MW60AR-20240730	30 Jul 2024 15:20		06 Aug 2024 08:00	06 Aug 2024 14:14	1
HS24080208-02	WG-1620-MW60B-20240730	30 Jul 2024 16:53		06 Aug 2024 08:00	06 Aug 2024 14:16	1
HS24080208-03	WG-1620-MW48C-20240730	31 Jul 2024 09:17		06 Aug 2024 08:00	06 Aug 2024 14:18	1
HS24080208-04	WG-1620-MW59B-20240730	31 Jul 2024 10:18		06 Aug 2024 08:00	06 Aug 2024 15:22	1
HS24080208-05	WG-1620-MW59A-20240731	31 Jul 2024 11:32		06 Aug 2024 08:00	06 Aug 2024 15:24	1
HS24080208-06	WG-1620-MW69A-20240731	31 Jul 2024 12:53		06 Aug 2024 08:00	06 Aug 2024 15:26	1
HS24080208-07	WG-1620-MW47A-20240731	31 Jul 2024 14:35		06 Aug 2024 08:00	06 Aug 2024 15:28	1
HS24080208-08	WG-1620-MW61B-20240731	31 Jul 2024 15:50		06 Aug 2024 08:00	06 Aug 2024 15:31	1
HS24080208-09	WG-1620-MW61A-20240731	31 Jul 2024 16:40		06 Aug 2024 08:00	06 Aug 2024 14:04	1
HS24080208-10	WG-1620-MW-36B-20240731	31 Jul 2024 08:25		06 Aug 2024 08:00	06 Aug 2024 15:48	1
HS24080208-11	WG-1620-MW-36A-20240731	31 Jul 2024 09:20		06 Aug 2024 08:00	06 Aug 2024 15:50	1
HS24080208-12	WG-1620-MW-54B-20240731	31 Jul 2024 10:15		06 Aug 2024 08:00	06 Aug 2024 15:52	1
HS24080208-13	WG-1620-MW-99C-20240731	31 Jul 2024 11:00		06 Aug 2024 08:00	06 Aug 2024 15:54	1
HS24080208-14	WG-1620-FD04-20240731	31 Jul 2024 08:30		06 Aug 2024 08:00	06 Aug 2024 15:56	1
HS24080208-15	WG-1620-MW-54C-20240731	31 Jul 2024 12:25		06 Aug 2024 08:00	06 Aug 2024 15:58	1
HS24080208-16	WG-1620-FD05-20240731	31 Jul 2024 12:30		06 Aug 2024 08:00	06 Aug 2024 16:00	1
HS24080208-17	WG-1620-FB04-20240731	31 Jul 2024 15:00		06 Aug 2024 08:00	06 Aug 2024 16:02	1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215797 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS24080208-15	WG-1620-MW-54C-20240731	31 Jul 2024 12:25		06 Aug 2024 12:58	13 Aug 2024 18:16	10
HS24080208-15	WG-1620-MW-54C-20240731	31 Jul 2024 12:25		06 Aug 2024 12:58	13 Aug 2024 00:57	1
HS24080208-16	WG-1620-FD05-20240731	31 Jul 2024 12:30		06 Aug 2024 12:58	13 Aug 2024 20:57	10
HS24080208-16	WG-1620-FD05-20240731	31 Jul 2024 12:30		06 Aug 2024 12:58	13 Aug 2024 01:20	1
HS24080208-17	WG-1620-FB04-20240731	31 Jul 2024 15:00		06 Aug 2024 12:58	13 Aug 2024 19:48	1
Batch ID: R474211 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS24080208-04	WG-1620-MW59B-20240730	31 Jul 2024 10:18			10 Aug 2024 16:23	1
HS24080208-05	WG-1620-MW59A-20240731	31 Jul 2024 11:32			10 Aug 2024 16:46	1
HS24080208-06	WG-1620-MW69A-20240731	31 Jul 2024 12:53			10 Aug 2024 17:09	1
HS24080208-07	WG-1620-MW47A-20240731	31 Jul 2024 14:35			10 Aug 2024 17:32	1
HS24080208-08	WG-1620-MW61B-20240731	31 Jul 2024 15:50			10 Aug 2024 17:54	1
HS24080208-10	WG-1620-MW-36B-20240731	31 Jul 2024 08:25			10 Aug 2024 18:40	1
HS24080208-11	WG-1620-MW-36A-20240731	31 Jul 2024 09:20			10 Aug 2024 19:03	1
HS24080208-12	WG-1620-MW-54B-20240731	31 Jul 2024 10:15			10 Aug 2024 19:26	1
HS24080208-13	WG-1620-MW-99C-20240731	31 Jul 2024 11:00			10 Aug 2024 19:49	1
HS24080208-14	WG-1620-FD04-20240731	31 Jul 2024 08:30			10 Aug 2024 20:12	1
HS24080208-15	WG-1620-MW-54C-20240731	31 Jul 2024 12:25			10 Aug 2024 20:35	1
HS24080208-16	WG-1620-FD05-20240731	31 Jul 2024 12:30			10 Aug 2024 20:58	1
HS24080208-17	WG-1620-FB04-20240731	31 Jul 2024 15:00			10 Aug 2024 14:51	1
Batch ID: R474350 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS24080208-03	WG-1620-MW48C-20240730	31 Jul 2024 09:17			12 Aug 2024 14:23	5
HS24080208-09	WG-1620-MW61A-20240731	31 Jul 2024 16:40			12 Aug 2024 14:00	1
Batch ID: R474473 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS24080208-01	WG-1620-MW60AR-20240730	30 Jul 2024 15:20			13 Aug 2024 11:47	1
HS24080208-02	WG-1620-MW60B-20240730	30 Jul 2024 16:53			13 Aug 2024 12:10	1

WorkOrder: HS24080208
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00168	0.000400	0.00200

WorkOrder: HS24080208
InstrumentID: SV-9
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.00016	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000066	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.00014	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.00015	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00015	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00018	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00023	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.00011	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00017	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00020	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00020	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00019	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00015	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.00016	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00020	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00019	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00019	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00025	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00030	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00018	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.00017	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00026	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00018	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000080	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00030	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.00015	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00028	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080208
InstrumentID: SV-7
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000097	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000074	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000099	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00010	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00010	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00025	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000047	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00010	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00010	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00013	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00011	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00011	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000065	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00012	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00012	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00011	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00011	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000092	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00011	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000089	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.000020	0.000027	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00012	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00013	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080208
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00049	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00046	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00039	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00092	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00043	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0013	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

WorkOrder: HS24080208
InstrumentID: VOA4
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.0011	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00057	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00056	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00016	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.0019	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0016	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215773 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215773** Units: **mg/L** Analysis Date: **06-Aug-2024 13:38**
Client ID: Run ID: **ICPMS05_473781** SeqNo: **8177486** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215773** Units: **mg/L** Analysis Date: **06-Aug-2024 13:40**
Client ID: Run ID: **ICPMS05_473781** SeqNo: **8177487** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04806	0.00200	0.05	0	96.1	80 - 120				

MS Sample ID: **HS24080208-09MS** Units: **mg/L** Analysis Date: **06-Aug-2024 14:08**
Client ID: **WG-1620-MW61A-20240731** Run ID: **ICPMS05_473781** SeqNo: **8177564** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05199	0.00200	0.05	0.002678	98.6	80 - 120				

MSD Sample ID: **HS24080208-09MSD** Units: **mg/L** Analysis Date: **06-Aug-2024 14:10**
Client ID: **WG-1620-MW61A-20240731** Run ID: **ICPMS05_473781** SeqNo: **8177565** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05156	0.00200	0.05	0.002678	97.8	80 - 120	0.05199	0.819	20	

PDS Sample ID: **HS24080208-09PDS** Units: **mg/L** Analysis Date: **06-Aug-2024 14:12**
Client ID: **WG-1620-MW61A-20240731** Run ID: **ICPMS05_473781** SeqNo: **8177566** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1066	0.00200	0.1	0.002678	104	75 - 125				

SD Sample ID: **HS24080208-09SD** Units: **mg/L** Analysis Date: **06-Aug-2024 14:06**
Client ID: **WG-1620-MW61A-20240731** Run ID: **ICPMS05_473781** SeqNo: **8177563** PrepDate: **06-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.002779	0.0100					0.002678	0	10	J

The following samples were analyzed in this batch:

HS24080208-01	HS24080208-02	HS24080208-03	HS24080208-04
HS24080208-05	HS24080208-06	HS24080208-07	HS24080208-08
HS24080208-09	HS24080208-10	HS24080208-11	HS24080208-12
HS24080208-13	HS24080208-14	HS24080208-15	HS24080208-16
HS24080208-17			

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215754** Units: **ug/L** Analysis Date: **10-Aug-2024 13:50**
Client ID: Run ID: **SV-9_474267** SeqNo: **8187481** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.877*	*0.20*	*5*	*0*	*77.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.204*	*0.20*	*5*	*0*	*84.1*	*40 - 125*				
Surr: 2-Fluorophenol	*4.617*	*0.20*	*5*	*0*	*92.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.783*	*0.20*	*5*	*0*	*116*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.067*	*0.20*	*5*	*0*	*81.3*	*41 - 120*				
Surr: Phenol-d6	*3.836*	*0.20*	*5*	*0*	*76.7*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215754** Units: **ug/L** Analysis Date: **10-Aug-2024 14:13**
Client ID: Run ID: **SV-9_474267** SeqNo: **8187482** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.154	0.20	5	0	83.1	39 - 127				
2,4-Dimethylphenol	3.525	0.20	5	0	70.5	35 - 120				
2,4-Dinitrotoluene	4.379	0.20	5	0	87.6	50 - 122				
2,6-Dinitrotoluene	3.578	0.20	5	0	71.6	50 - 120				
2-Chloronaphthalene	4.382	0.20	5	0	87.6	50 - 120				
2-Methylnaphthalene	3.98	0.10	5	0	79.6	50 - 120				
4,6-Dinitro-2-methylphenol	3.18	1.0	5	0	63.6	25 - 121				
4-Nitrophenol	3.902	1.0	5	0	78.0	30 - 130				
Acenaphthene	3.974	0.10	5	0	79.5	45 - 120				
Acenaphthylene	3.936	0.10	5	0	78.7	47 - 120				
Anthracene	4.265	0.10	5	0	85.3	45 - 120				
Benz(a)anthracene	4.12	0.10	5	0	82.4	40 - 120				
Benzo(a)pyrene	4.166	0.10	5	0	83.3	45 - 120				
Bis(2-chloroethoxy)methane	3.747	0.20	5	0	74.9	45 - 120				
Bis(2-ethylhexyl)phthalate	4.214	0.20	5	0	84.3	40 - 139				
Chrysene	4.316	0.10	5	0	86.3	43 - 120				
Dibenzofuran	4.144	0.10	5	0	82.9	50 - 120				
Di-n-butyl phthalate	4.59	0.20	5	0	91.8	45 - 123				
Fluoranthene	4.475	0.10	5	0	89.5	45 - 125				
Fluorene	4.004	0.10	5	0	80.1	49 - 120				
Naphthalene	3.932	0.10	5	0	78.6	45 - 120				
Nitrobenzene	3.762	0.20	5	0	75.2	44 - 120				
N-Nitrosodiphenylamine	4.296	0.20	5	0	85.9	40 - 125				
Pentachlorophenol	3.818	0.20	5	0	76.4	19 - 121				
Phenanthrene	4.213	0.10	5	0	84.3	45 - 121				
Phenol	4.096	0.20	5	0	81.9	20 - 124				
Pyrene	4.365	0.10	5	0	87.3	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.992*	*0.20*	*5*	*0*	*99.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.872*	*0.20*	*5*	*0*	*97.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.298*	*0.20*	*5*	*0*	*66.0*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.283*	*0.20*	*5*	*0*	*106*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.421*	*0.20*	*5*	*0*	*88.4*	*41 - 120*				
Surr: Phenol-d6	*4.625*	*0.20*	*5*	*0*	*92.5*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24080208-09MS** Units: **ug/L** Analysis Date: **10-Aug-2024 15:23**
Client ID: **WG-1620-MW61A-20240731** Run ID: **SV-9_474267** SeqNo: **8187485** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.742	0.20	5	0	74.8	39 - 127				
2,4-Dimethylphenol	3.518	0.20	5	0	70.4	35 - 120				
2,4-Dinitrotoluene	3.92	0.20	5	0	78.4	50 - 122				
2,6-Dinitrotoluene	3.767	0.20	5	0	75.3	50 - 120				
2-Chloronaphthalene	3.836	0.20	5	0	76.7	50 - 120				
2-Methylnaphthalene	3.782	0.10	5	0	75.6	50 - 120				
4,6-Dinitro-2-methylphenol	3.613	1.0	5	0	72.3	25 - 121				
4-Nitrophenol	3.599	1.0	5	0	72.0	30 - 130				
Acenaphthene	3.602	0.10	5	0	72.0	45 - 120				
Acenaphthylene	3.542	0.10	5	0	70.8	47 - 120				
Anthracene	4.091	0.10	5	0	81.8	45 - 120				
Benz(a)anthracene	3.734	0.10	5	0	74.7	40 - 120				
Benzo(a)pyrene	3.705	0.10	5	0	74.1	45 - 120				
Bis(2-chloroethoxy)methane	3.847	0.20	5	0	76.9	45 - 120				
Bis(2-ethylhexyl)phthalate	4.054	0.20	5	0	81.1	40 - 139				
Chrysene	3.903	0.10	5	0	78.1	43 - 120				
Dibenzofuran	3.749	0.10	5	0	75.0	50 - 120				
Di-n-butyl phthalate	4.243	0.20	5	0	84.9	45 - 123				
Fluoranthene	4.05	0.10	5	0	81.0	45 - 125				
Fluorene	3.597	0.10	5	0	71.9	49 - 120				
Naphthalene	3.561	0.10	5	0.08532	69.5	45 - 120				
Nitrobenzene	3.541	0.20	5	0	70.8	44 - 120				
N-Nitrosodiphenylamine	3.93	0.20	5	0	78.6	40 - 125				
Pentachlorophenol	4.09	0.20	5	0	81.8	19 - 121				
Phenanthrene	3.89	0.10	5	0	77.8	45 - 121				
Phenol	3.38	0.20	5	0	67.6	20 - 124				
Pyrene	3.951	0.10	5	0	79.0	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.183*	*0.20*	*5*	*0*	*83.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.103*	*0.20*	*5*	*0*	*82.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.306*	*0.20*	*5*	*0*	*66.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.469*	*0.20*	*5*	*0*	*89.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.926*	*0.20*	*5*	*0*	*78.5*	*41 - 120*				
Surr: Phenol-d6	*3.515*	*0.20*	*5*	*0*	*70.3*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24080208-09MSD** Units: **ug/L** Analysis Date: **10-Aug-2024 15:45**
Client ID: **WG-1620-MW61A-20240731** Run ID: **SV-9_474267** SeqNo: **8187486** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.321	0.20	5	0	86.4	39 - 127	3.742	14.4	20	
2,4-Dimethylphenol	3.546	0.20	5	0	70.9	35 - 120	3.518	0.789	20	
2,4-Dinitrotoluene	4.131	0.20	5	0	82.6	50 - 122	3.92	5.24	20	
2,6-Dinitrotoluene	3.839	0.20	5	0	76.8	50 - 120	3.767	1.89	20	
2-Chloronaphthalene	3.759	0.20	5	0	75.2	50 - 120	3.836	2.03	20	
2-Methylnaphthalene	3.86	0.10	5	0	77.2	50 - 120	3.782	2.03	20	
4,6-Dinitro-2-methylphenol	3.516	1.0	5	0	70.3	25 - 121	3.613	2.73	30	
4-Nitrophenol	3.878	1.0	5	0	77.6	30 - 130	3.599	7.49	20	
Acenaphthene	3.791	0.10	5	0	75.8	45 - 120	3.602	5.09	20	
Acenaphthylene	3.751	0.10	5	0	75.0	47 - 120	3.542	5.73	20	
Anthracene	4.213	0.10	5	0	84.3	45 - 120	4.091	2.92	20	
Benz(a)anthracene	3.774	0.10	5	0	75.5	40 - 120	3.734	1.09	20	
Benzo(a)pyrene	3.875	0.10	5	0	77.5	45 - 120	3.705	4.47	20	
Bis(2-chloroethoxy)methane	3.819	0.20	5	0	76.4	45 - 120	3.847	0.747	20	
Bis(2-ethylhexyl)phthalate	4.127	0.20	5	0	82.5	40 - 139	4.054	1.79	20	
Chrysene	4.183	0.10	5	0	83.7	43 - 120	3.903	6.93	20	
Dibenzofuran	3.961	0.10	5	0	79.2	50 - 120	3.749	5.49	20	
Di-n-butyl phthalate	3.307	0.20	5	0	66.1	45 - 123	4.243	24.8	20	R
Fluoranthene	3.209	0.10	5	0	64.2	45 - 125	4.05	23.2	20	R
Fluorene	3.773	0.10	5	0	75.5	49 - 120	3.597	4.79	20	
Naphthalene	3.819	0.10	5	0.08532	74.7	45 - 120	3.561	6.97	20	
Nitrobenzene	3.76	0.20	5	0	75.2	44 - 120	3.541	6.01	20	
N-Nitrosodiphenylamine	4.004	0.20	5	0	80.1	40 - 125	3.93	1.86	20	
Pentachlorophenol	4.033	0.20	5	0	80.7	19 - 121	4.09	1.41	20	
Phenanthrene	4	0.10	5	0	80.0	45 - 121	3.89	2.81	20	
Phenol	3.767	0.20	5	0	75.3	20 - 124	3.38	10.8	20	
Pyrene	4.046	0.10	5	0	80.9	40 - 130	3.951	2.36	20	
Surr: 2,4,6-Tribromophenol	*3.766*	*0.20*	*5*	*0*	*75.3*	*34 - 129*	*4.183*	*10.5*	*20*	
Surr: 2-Fluorobiphenyl	*3.832*	*0.20*	*5*	*0*	*76.6*	*40 - 125*	*4.103*	*6.83*	*20*	
Surr: 2-Fluorophenol	*3.302*	*0.20*	*5*	*0*	*66.0*	*20 - 120*	*3.306*	*0.127*	*20*	
Surr: 4-Terphenyl-d14	*4.5*	*0.20*	*5*	*0*	*90.0*	*40 - 135*	*4.469*	*0.695*	*20*	
Surr: Nitrobenzene-d5	*4.147*	*0.20*	*5*	*0*	*82.9*	*41 - 120*	*3.926*	*5.47*	*20*	
Surr: Phenol-d6	*3.827*	*0.20*	*5*	*0*	*76.5*	*20 - 120*	*3.515*	*8.51*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215754 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24080208-01	HS24080208-02	HS24080208-03	HS24080208-04
HS24080208-05	HS24080208-06	HS24080208-07	HS24080208-08
HS24080208-09	HS24080208-10	HS24080208-11	HS24080208-12
HS24080208-13	HS24080208-14		

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215797 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215797** Units: **ug/L** Analysis Date: **12-Aug-2024 18:03**
Client ID: Run ID: **SV-7_474432** SeqNo: **8190984** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.821*	*0.20*	*5*	*0*	*76.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.231*	*0.20*	*5*	*0*	*84.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.193*	*0.20*	*5*	*0*	*63.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.576*	*0.20*	*5*	*0*	*91.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.631*	*0.20*	*5*	*0*	*72.6*	*41 - 120*				
Surr: Phenol-d6	*3.608*	*0.20*	*5*	*0*	*72.2*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215797 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215797** Units: **ug/L** Analysis Date: **12-Aug-2024 18:26**
Client ID: Run ID: **SV-7_474432** SeqNo: **8190985** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.668	0.20	5	0	73.4	39 - 127				
2,4-Dimethylphenol	3.209	0.20	5	0	64.2	35 - 120				
2,4-Dinitrotoluene	4.25	0.20	5	0	85.0	50 - 122				
2,6-Dinitrotoluene	3.989	0.20	5	0	79.8	50 - 120				
2-Chloronaphthalene	4.016	0.20	5	0	80.3	50 - 120				
2-Methylnaphthalene	3.84	0.10	5	0	76.8	50 - 120				
4,6-Dinitro-2-methylphenol	3.423	1.0	5	0	68.5	25 - 121				
4-Nitrophenol	2.962	1.0	5	0	59.2	30 - 130				
Acenaphthene	3.557	0.10	5	0	71.1	45 - 120				
Acenaphthylene	3.592	0.10	5	0	71.8	47 - 120				
Anthracene	3.643	0.10	5	0	72.9	45 - 120				
Benz(a)anthracene	3.803	0.10	5	0	76.1	40 - 120				
Benzo(a)pyrene	3.934	0.10	5	0	78.7	45 - 120				
Bis(2-chloroethoxy)methane	3.457	0.20	5	0	69.1	45 - 120				
Bis(2-ethylhexyl)phthalate	3.633	0.20	5	0	72.7	40 - 139				
Chrysene	3.387	0.10	5	0	67.7	43 - 120				
Dibenzofuran	3.741	0.10	5	0	74.8	50 - 120				
Di-n-butyl phthalate	3.725	0.20	5	0	74.5	45 - 123				
Fluoranthene	3.674	0.10	5	0	73.5	45 - 125				
Fluorene	3.714	0.10	5	0	74.3	49 - 120				
Naphthalene	3.434	0.10	5	0	68.7	45 - 120				
Nitrobenzene	3.496	0.20	5	0	69.9	44 - 120				
N-Nitrosodiphenylamine	3.729	0.20	5	0	74.6	40 - 125				
Pentachlorophenol	3.687	0.20	5	0	73.7	19 - 121				
Phenanthrene	3.492	0.10	5	0	69.8	45 - 121				
Phenol	3.27	0.20	5	0	65.4	20 - 124				
Pyrene	3.487	0.10	5	0	69.7	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.387*	*0.20*	*5*	*0*	*87.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.862*	*0.20*	*5*	*0*	*77.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.432*	*0.20*	*5*	*0*	*68.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.875*	*0.20*	*5*	*0*	*77.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.695*	*0.20*	*5*	*0*	*73.9*	*41 - 120*				
Surr: Phenol-d6	*3.425*	*0.20*	*5*	*0*	*68.5*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: 215797 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215797** Units: **ug/L** Analysis Date: **12-Aug-2024 18:49**
Client ID: Run ID: **SV-7_474432** SeqNo: **8190986** PrepDate: **06-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.66	0.20	5	0	73.2	39 - 127	3.668	0.22	20	
2,4-Dimethylphenol	3.124	0.20	5	0	62.5	35 - 120	3.209	2.67	20	
2,4-Dinitrotoluene	4.294	0.20	5	0	85.9	50 - 122	4.25	1.02	20	
2,6-Dinitrotoluene	4.074	0.20	5	0	81.5	50 - 120	3.989	2.12	20	
2-Chloronaphthalene	3.759	0.20	5	0	75.2	50 - 120	4.016	6.62	20	
2-Methylnaphthalene	3.786	0.10	5	0	75.7	50 - 120	3.84	1.4	20	
4,6-Dinitro-2-methylphenol	3.361	1.0	5	0	67.2	25 - 121	3.423	1.83	30	
4-Nitrophenol	2.955	1.0	5	0	59.1	30 - 130	2.962	0.234	20	
Acenaphthene	3.454	0.10	5	0	69.1	45 - 120	3.557	2.95	20	
Acenaphthylene	3.592	0.10	5	0	71.8	47 - 120	3.592	0.00195	20	
Anthracene	3.551	0.10	5	0	71.0	45 - 120	3.643	2.55	20	
Benz(a)anthracene	3.703	0.10	5	0	74.1	40 - 120	3.803	2.66	20	
Benzo(a)pyrene	3.929	0.10	5	0	78.6	45 - 120	3.934	0.129	20	
Bis(2-chloroethoxy)methane	3.484	0.20	5	0	69.7	45 - 120	3.457	0.79	20	
Bis(2-ethylhexyl)phthalate	3.61	0.20	5	0	72.2	40 - 139	3.633	0.645	20	
Chrysene	3.491	0.10	5	0	69.8	43 - 120	3.387	3.04	20	
Dibenzofuran	3.767	0.10	5	0	75.3	50 - 120	3.741	0.715	20	
Di-n-butyl phthalate	3.714	0.20	5	0	74.3	45 - 123	3.725	0.298	20	
Fluoranthene	3.714	0.10	5	0	74.3	45 - 125	3.674	1.09	20	
Fluorene	3.727	0.10	5	0	74.5	49 - 120	3.714	0.345	20	
Naphthalene	3.459	0.10	5	0	69.2	45 - 120	3.434	0.748	20	
Nitrobenzene	3.507	0.20	5	0	70.1	44 - 120	3.496	0.309	20	
N-Nitrosodiphenylamine	3.703	0.20	5	0	74.1	40 - 125	3.729	0.694	20	
Pentachlorophenol	3.721	0.20	5	0	74.4	19 - 121	3.687	0.941	20	
Phenanthrene	3.407	0.10	5	0	68.1	45 - 121	3.492	2.45	20	
Phenol	3.207	0.20	5	0	64.1	20 - 124	3.27	1.97	20	
Pyrene	3.502	0.10	5	0	70.0	40 - 130	3.487	0.446	20	
Surr: 2,4,6-Tribromophenol	*4.379*	*0.20*	*5*	*0*	*87.6*	*34 - 129*	*4.387*	*0.195*	*20*	
Surr: 2-Fluorobiphenyl	*3.882*	*0.20*	*5*	*0*	*77.6*	*40 - 125*	*3.862*	*0.527*	*20*	
Surr: 2-Fluorophenol	*3.334*	*0.20*	*5*	*0*	*66.7*	*20 - 120*	*3.432*	*2.89*	*20*	
Surr: 4-Terphenyl-d14	*3.893*	*0.20*	*5*	*0*	*77.9*	*40 - 135*	*3.875*	*0.457*	*20*	
Surr: Nitrobenzene-d5	*3.729*	*0.20*	*5*	*0*	*74.6*	*41 - 120*	*3.695*	*0.927*	*20*	
Surr: Phenol-d6	*3.331*	*0.20*	*5*	*0*	*66.6*	*20 - 120*	*3.425*	*2.79*	*20*	

The following samples were analyzed in this batch: HS24080208-15 HS24080208-16 HS24080208-17

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474211 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240810** Units: **ug/L** Analysis Date: **10-Aug-2024 14:06**
Client ID: Run ID: **VOA7_474211** SeqNo: **8186346** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	< 0.20	1.0							
Benzene	< 0.20	1.0							
Chlorobenzene	< 0.30	1.0							
Ethylbenzene	< 0.30	1.0							
Methylene chloride	< 1.0	2.0							
Toluene	< 0.20	1.0							
Xylenes, Total	< 0.30	3.0							
Surr: 1,2-Dichloroethane-d4	*45.81*	*1.0*	*50*	*0*	*91.6*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*46.49*	*1.0*	*50*	*0*	*93.0*	*77 - 113*			
Surr: Dibromofluoromethane	*45.92*	*1.0*	*50*	*0*	*91.8*	*73 - 126*			
Surr: Toluene-d8	*50.25*	*1.0*	*50*	*0*	*100*	*81 - 120*			

LCS Sample ID: **VLCSW-240810** Units: **ug/L** Analysis Date: **10-Aug-2024 12:57**
Client ID: Run ID: **VOA7_474211** SeqNo: **8186344** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	19.66	1.0	20	0	98.3	70 - 124			
Benzene	19.78	1.0	20	0	98.9	74 - 120			
Chlorobenzene	19.46	1.0	20	0	97.3	76 - 113			
Ethylbenzene	20.08	1.0	20	0	100	77 - 117			
Methylene chloride	16.2	2.0	20	0	81.0	70 - 127			
Toluene	19.13	1.0	20	0	95.7	77 - 118			
Xylenes, Total	58.9	3.0	60	0	98.2	75 - 122			
Surr: 1,2-Dichloroethane-d4	*48.65*	*1.0*	*50*	*0*	*97.3*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*49.6*	*1.0*	*50*	*0*	*99.2*	*77 - 113*			
Surr: Dibromofluoromethane	*48.69*	*1.0*	*50*	*0*	*97.4*	*73 - 126*			
Surr: Toluene-d8	*51.01*	*1.0*	*50*	*0*	*102*	*81 - 120*			

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474211 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS24080208-09MS** Units: **ug/L** Analysis Date: **10-Aug-2024 22:06**
Client ID: **WG-1620-MW61A-20240731** Run ID: **VOA7_474211** SeqNo: **8186367** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.44	1.0	20	0	97.2	70 - 127				
Benzene	18.82	1.0	20	0	94.1	70 - 127				
Chlorobenzene	18.96	1.0	20	0	94.8	70 - 114				
Ethylbenzene	20.46	1.0	20	0	102	70 - 124				
Methylene chloride	15.13	2.0	20	0	75.7	70 - 128				
Toluene	19.58	1.0	20	0	97.9	70 - 123				
Xylenes, Total	57.17	3.0	60	0	95.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*48.02*	*1.0*	*50*	*0*	*96.0*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*46.3*	*1.0*	*50*	*0*	*92.6*	*77 - 113*				
Surr: Dibromofluoromethane	*45.1*	*1.0*	*50*	*0*	*90.2*	*77 - 123*				
Surr: Toluene-d8	*50.36*	*1.0*	*50*	*0*	*101*	*82 - 127*				

MSD Sample ID: **HS24080208-09MSD** Units: **ug/L** Analysis Date: **10-Aug-2024 22:29**
Client ID: **WG-1620-MW61A-20240731** Run ID: **VOA7_474211** SeqNo: **8186368** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.74	1.0	20	0	98.7	70 - 127	19.44	1.57	20	
Benzene	18.64	1.0	20	0	93.2	70 - 127	18.82	0.947	20	
Chlorobenzene	19.09	1.0	20	0	95.4	70 - 114	18.96	0.66	20	
Ethylbenzene	20.24	1.0	20	0	101	70 - 124	20.46	1.07	20	
Methylene chloride	15.92	2.0	20	0	79.6	70 - 128	15.13	5.07	20	
Toluene	18.9	1.0	20	0	94.5	70 - 123	19.58	3.57	20	
Xylenes, Total	57.66	3.0	60	0	96.1	70 - 130	57.17	0.867	20	
Surr: 1,2-Dichloroethane-d4	*52.03*	*1.0*	*50*	*0*	*104*	*70 - 126*	*48.02*	*8.03*	*20*	
Surr: 4-Bromofluorobenzene	*49.01*	*1.0*	*50*	*0*	*98.0*	*77 - 113*	*46.3*	*5.69*	*20*	
Surr: Dibromofluoromethane	*47.55*	*1.0*	*50*	*0*	*95.1*	*77 - 123*	*45.1*	*5.3*	*20*	
Surr: Toluene-d8	*50.31*	*1.0*	*50*	*0*	*101*	*82 - 127*	*50.36*	*0.096*	*20*	

The following samples were analyzed in this batch:

HS24080208-04	HS24080208-05	HS24080208-06	HS24080208-07
HS24080208-08	HS24080208-10	HS24080208-11	HS24080208-12
HS24080208-13	HS24080208-14	HS24080208-15	HS24080208-16
HS24080208-17			

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474350 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 11:21**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189358** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*49.8*	*1.0*	*50*	*0*	*99.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.3*	*1.0*	*50*	*0*	*98.6*	*77 - 113*				
Surr: Dibromofluoromethane	*46.49*	*1.0*	*50*	*0*	*93.0*	*73 - 126*				
Surr: Toluene-d8	*49.88*	*1.0*	*50*	*0*	*99.8*	*81 - 120*				

LCS Sample ID: **VLCSW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:12**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189356** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.4	1.0	20	0	97.0	70 - 124				
Benzene	19.63	1.0	20	0	98.1	74 - 120				
Chlorobenzene	19.22	1.0	20	0	96.1	76 - 113				
Ethylbenzene	20.82	1.0	20	0	104	77 - 117				
Methylene chloride	18.58	2.0	20	0	92.9	70 - 127				
Toluene	19.63	1.0	20	0	98.1	77 - 118				
Xylenes, Total	62.88	3.0	60	0	105	75 - 122				
Surr: 1,2-Dichloroethane-d4	*51.57*	*1.0*	*50*	*0*	*103*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.85*	*1.0*	*50*	*0*	*99.7*	*77 - 113*				
Surr: Dibromofluoromethane	*45.44*	*1.0*	*50*	*0*	*90.9*	*73 - 126*				
Surr: Toluene-d8	*50.8*	*1.0*	*50*	*0*	*102*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474350 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:35**
Client ID: Run ID: **VOA4_474350** SeqNo: **8189357** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.95	1.0	20	0	99.8	70 - 124	19.4	2.8	20	
Benzene	19.24	1.0	20	0	96.2	74 - 120	19.63	1.99	20	
Chlorobenzene	19.51	1.0	20	0	97.5	76 - 113	19.22	1.51	20	
Ethylbenzene	20.39	1.0	20	0	102	77 - 117	20.82	2.08	20	
Methylene chloride	18.84	2.0	20	0	94.2	70 - 127	18.58	1.38	20	
Toluene	20.02	1.0	20	0	100	77 - 118	19.63	1.96	20	
Xylenes, Total	63.92	3.0	60	0	107	75 - 122	62.88	1.64	20	
Surr: 1,2-Dichloroethane-d4	*51.38*	*1.0*	*50*	*0*	*103*	*70 - 123*	*51.57*	*0.365*	*20*	
Surr: 4-Bromofluorobenzene	*49.46*	*1.0*	*50*	*0*	*98.9*	*77 - 113*	*49.85*	*0.793*	*20*	
Surr: Dibromofluoromethane	*46.04*	*1.0*	*50*	*0*	*92.1*	*73 - 126*	*45.44*	*1.31*	*20*	
Surr: Toluene-d8	*51.65*	*1.0*	*50*	*0*	*103*	*81 - 120*	*50.8*	*1.67*	*20*	

MS Sample ID: **HS24080208-09MS** Units: **ug/L** Analysis Date: **12-Aug-2024 19:35**
Client ID: **WG-1620-MW61A-20240731** Run ID: **VOA4_474350** SeqNo: **8189379** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.06	1.0	20	0	90.3	70 - 127				
Benzene	18.96	1.0	20	0	94.8	70 - 127				
Chlorobenzene	17.89	1.0	20	0	89.4	70 - 114				
Ethylbenzene	20.08	1.0	20	0	100	70 - 124				
Methylene chloride	17.68	2.0	20	0	88.4	70 - 128				
Toluene	18.93	1.0	20	0	94.7	70 - 123				
Xylenes, Total	59.8	3.0	60	0	99.7	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.77*	*1.0*	*50*	*0*	*104*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.36*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*47.45*	*1.0*	*50*	*0*	*94.9*	*77 - 123*				
Surr: Toluene-d8	*51.36*	*1.0*	*50*	*0*	*103*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474350 (0) **Instrument:** VOA4 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS24080208-09MSD** Units: **ug/L** Analysis Date: **12-Aug-2024 19:58**
Client ID: **WG-1620-MW61A-20240731** Run ID: **VOA4_474350** SeqNo: **8189380** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	17.47	1.0	20	0	87.4	70 - 127	18.06	3.32	20	
Benzene	17.63	1.0	20	0	88.1	70 - 127	18.96	7.27	20	
Chlorobenzene	16.69	1.0	20	0	83.4	70 - 114	17.89	6.94	20	
Ethylbenzene	18.39	1.0	20	0	91.9	70 - 124	20.08	8.78	20	
Methylene chloride	16.69	2.0	20	0	83.4	70 - 128	17.68	5.76	20	
Toluene	17.55	1.0	20	0	87.7	70 - 123	18.93	7.6	20	
Xylenes, Total	55.25	3.0	60	0	92.1	70 - 130	59.8	7.9	20	
Surr: 1,2-Dichloroethane-d4	*51.5*	*1.0*	*50*	*0*	*103*	*70 - 126*	*51.77*	*0.534*	*20*	
Surr: 4-Bromofluorobenzene	*49.48*	*1.0*	*50*	*0*	*99.0*	*77 - 113*	*50.36*	*1.75*	*20*	
Surr: Dibromofluoromethane	*46.95*	*1.0*	*50*	*0*	*93.9*	*77 - 123*	*47.45*	*1.07*	*20*	
Surr: Toluene-d8	*50.98*	*1.0*	*50*	*0*	*102*	*82 - 127*	*51.36*	*0.744*	*20*	

The following samples were analyzed in this batch: HS24080208-03 HS24080208-09

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474473 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240813** Units: **ug/L** Analysis Date: **13-Aug-2024 10:44**
Client ID: Run ID: **VOA7_474473** SeqNo: **8191701** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*50.89*	*1.0*	*50*	*0*	*102*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.17*	*1.0*	*50*	*0*	*96.3*	*77 - 113*				
Surr: Dibromofluoromethane	*47*	*1.0*	*50*	*0*	*94.0*	*73 - 126*				
Surr: Toluene-d8	*51.54*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-240813** Units: **ug/L** Analysis Date: **13-Aug-2024 09:35**
Client ID: Run ID: **VOA7_474473** SeqNo: **8191699** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	23.39	1.0	20	0	117	70 - 124				
Benzene	19.63	1.0	20	0	98.1	74 - 120				
Chlorobenzene	19.71	1.0	20	0	98.6	76 - 113				
Ethylbenzene	19.84	1.0	20	0	99.2	77 - 117				
Methylene chloride	17.91	2.0	20	0	89.5	70 - 127				
Toluene	19.46	1.0	20	0	97.3	77 - 118				
Xylenes, Total	58.52	3.0	60	0	97.5	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.53*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.92*	*1.0*	*50*	*0*	*99.8*	*77 - 113*				
Surr: Dibromofluoromethane	*48.3*	*1.0*	*50*	*0*	*96.6*	*73 - 126*				
Surr: Toluene-d8	*50.19*	*1.0*	*50*	*0*	*100*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474473 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240813** Units: **ug/L** Analysis Date: **13-Aug-2024 09:58**
Client ID: Run ID: **VOA7_474473** SeqNo: **8191700** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.81	1.0	20	0	114	70 - 124	23.39	2.52	20	
Benzene	19.13	1.0	20	0	95.6	74 - 120	19.63	2.57	20	
Chlorobenzene	18.7	1.0	20	0	93.5	76 - 113	19.71	5.27	20	
Ethylbenzene	20.24	1.0	20	0	101	77 - 117	19.84	2	20	
Methylene chloride	17.29	2.0	20	0	86.4	70 - 127	17.91	3.52	20	
Toluene	19.02	1.0	20	0	95.1	77 - 118	19.46	2.31	20	
Xylenes, Total	57.24	3.0	60	0	95.4	75 - 122	58.52	2.22	20	
Surr: 1,2-Dichloroethane-d4	*56.78*	*1.0*	*50*	*0*	*114*	*70 - 123*	*53.53*	*5.9*	*20*	
Surr: 4-Bromofluorobenzene	*54.96*	*1.0*	*50*	*0*	*110*	*77 - 113*	*49.92*	*9.61*	*20*	
Surr: Dibromofluoromethane	*50.78*	*1.0*	*50*	*0*	*102*	*73 - 126*	*48.3*	*5.01*	*20*	
Surr: Toluene-d8	*53.35*	*1.0*	*50*	*0*	*107*	*81 - 120*	*50.19*	*6.1*	*20*	

MS Sample ID: **HS24080334-07MS** Units: **ug/L** Analysis Date: **13-Aug-2024 19:27**
Client ID: Run ID: **VOA7_474473** SeqNo: **8191724** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	21.36	1.0	20	0	107	70 - 127				
Benzene	19.53	1.0	20	0	97.6	70 - 127				
Chlorobenzene	18.93	1.0	20	0	94.6	70 - 114				
Ethylbenzene	20.39	1.0	20	0	102	70 - 124				
Methylene chloride	16.4	2.0	20	0	82.0	70 - 128				
Toluene	19.29	1.0	20	0	96.4	70 - 123				
Xylenes, Total	56.97	3.0	60	0	95.0	70 - 130				
Surr: 1,2-Dichloroethane-d4	*54.07*	*1.0*	*50*	*0*	*108*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.02*	*1.0*	*50*	*0*	*98.0*	*77 - 113*				
Surr: Dibromofluoromethane	*47.75*	*1.0*	*50*	*0*	*95.5*	*77 - 123*				
Surr: Toluene-d8	*49.38*	*1.0*	*50*	*0*	*98.8*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080208

QC BATCH REPORT

Batch ID: R474473 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24080334-07MSD** Units: **ug/L** Analysis Date: **13-Aug-2024 19:50**
Client ID: Run ID: **VOA7_474473** SeqNo: **8191725** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	21.43	1.0	20	0	107	70 - 127	21.36	0.345	20	
Benzene	18.74	1.0	20	0	93.7	70 - 127	19.53	4.09	20	
Chlorobenzene	18.74	1.0	20	0	93.7	70 - 114	18.93	0.983	20	
Ethylbenzene	19.9	1.0	20	0	99.5	70 - 124	20.39	2.45	20	
Methylene chloride	16.44	2.0	20	0	82.2	70 - 128	16.4	0.221	20	
Toluene	18.8	1.0	20	0	94.0	70 - 123	19.29	2.54	20	
Xylenes, Total	56.68	3.0	60	0	94.5	70 - 130	56.97	0.514	20	
Surr: 1,2-Dichloroethane-d4	*53.61*	*1.0*	*50*	*0*	*107*	*70 - 126*	*54.07*	*0.846*	*20*	
Surr: 4-Bromofluorobenzene	*49.78*	*1.0*	*50*	*0*	*99.6*	*77 - 113*	*49.02*	*1.54*	*20*	
Surr: Dibromofluoromethane	*47.26*	*1.0*	*50*	*0*	*94.5*	*77 - 123*	*47.75*	*1.04*	*20*	
Surr: Toluene-d8	*50.82*	*1.0*	*50*	*0*	*102*	*82 - 127*	*49.38*	*2.88*	*20*	

The following samples were analyzed in this batch: HS24080208-01 HS24080208-02

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24080208**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Illinois	2000322023-11	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 16-Aug-24

Sample Receipt Checklist

Work Order ID: HS24080208 **Date/Time Received:** **01-Aug-2024 14:15**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Hoa Tran	03-Aug-2024 16:37	**Reviewed by:**	/S/ salina zaid	07-Aug-2024 09:50
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320982, 320986
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	UC/C: 0.6/0.6, 0.9/0.9, 0.3/0.3, 1.2/1.2, 1.5/1.5	IR34
Cooler(s)/Kit(s):	52478, 52480, BLUE, BLUE, RED	
Date/Time sample(s) sent to storage:	08/03/2024 1700	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Log in Notes : TRIP BLANKS PLACED ON HOLD, NOT ON COC

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
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Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
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South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of _____

COC ID: 320982

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	MS/MSD
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@arlsolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24080208
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	Hold
1	WG-1620-MW60AR-20240730	7/30/24	1520	GW	1,2,8	6	X	X	X					
2	WG-1620-MW60B-20240730	↓	1653			6	X	X	X					
3	WG-1620-MW48C-20240731	7/31/24	0917			6	X	X	X					
4	WG-1620-MW59B-20240731		1018			6	X	X	X					
5	WG-1620-MW59A-20240731		1132			6	X	X	X					
6	WG-1620-MW69A-20240731		1253			6	X	X	X					
7	WG-1620-MW47A-20240731		1435			6	X	X	X					
8	WG-1620-MW61B-20240731		1550			6	X	X	X					
9	WG-1620-MW61A-20240731	↓	1640	↓	↓	18	X	X	X	X				
10														

Sampler(s) Please Print & Sign: Dominic Baptiste DominBaptiste

Shipment Method: Carrier

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
DominBaptiste	8/1/24	0800	DS
Relinquished by:	Date:	Time:	Received by (Laboratory):
DS	8.1.24	1415	DS
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.
52478	0-6
52480	0-9
Blue	0-3
Blue	1.2

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

3pm34 Blue

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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York, PA +1 717 505 5280

Chain of Custody Form

Page 2 of ____

COC ID: 320986

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (F))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24080208
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	Hold
1	WG-1620-MW-36B-20240731	7/31/24	825	GW	HNO3,8	6	X	X	X					
2	WG-1620-MW-36A-20240731		920			6	X	X	X					
3	WG-1620-MW-54B-20240731		1015			6	X	X	X					
4	WG-1620-MW-99C-20240731		1100			6	X	X	X					
5	WG-1620-~~AMW~~ LSR FD04-20240731		830			6	X	X	X					
6	WG-1620-MW-54C-20240731		1225			6	X	X	X					
7	WG-1620-~~AMW~~ LSR FD05-20240731		1230			6	X	X	X					
8	~~WG-1620-FB04-20240801~~						X	X	X					
9	WG-1620-FB04-20240731		1500			6	X	X	X					
10														

Sampler(s) Please Print & Sign: Leon Stroz

Shipment Method: Carrier

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Leon Stroz	8/1/24	0800	
Relinquished by:	Date:	Time:	Received by (Laboratory):
	8.1.24	1415	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
- [ ] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SVOC & LLP
- [ ] Other
- [X] RRP Checklist
- [ ] RRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Houston, TX 77099
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F: +1 281 530 5887

August 20, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24071566**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 10 sample(s) on Jul 25, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24071566**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS24071566**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/20/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071566					
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215486,215515,R473087					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1	
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?		X			2	
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?		X			3	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			4	
		Were MS/MSD RPDs within laboratory QC limits?	X					
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/20/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071566				
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215486,215515,R473087				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?		X			5
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/20/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24071566
Reviewer Name: Luis.Aguilar	Prep Batch Number(s): 215486,215515,R473087

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-MW83B-20240724, WG-1620-FD01-20240724, the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 215486, Semivolatiles Method SW8270, LCS/LCSD RPD recovered above the RPD limit for 4-Nitrophenol. The individual recoveries met acceptance criteria.
3	Batch 215486, Semivolatiles Method SW8270 LCS/LCSD provided as batch quality control in lieu of MS/MSD
4	Batch R473087, Volatiles Method SW8260, sample HS24071595-02, MS and MSD are for an unrelated sample
5	Batch 215486, Semivolatiles Method SW8270, sample WG-1620-MW35B-20240724: Low area counts for Acenaphthene-d10, Chrysene-d12 and Perylene-d12. Sample was re-ran with similar results

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24071566

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24071566-01	WG-1620-MW94A-20240724	Groundwater		24-Jul-2024 08:30	25-Jul-2024 09:50	☐
HS24071566-02	WG-1620-MW82B-20240724	Groundwater		24-Jul-2024 09:15	25-Jul-2024 09:50	☐
HS24071566-03	WG-1620-MW93B-20240724	Groundwater		24-Jul-2024 10:00	25-Jul-2024 09:50	☐
HS24071566-04	WG-1620-MW92B-20240724	Groundwater		24-Jul-2024 10:55	25-Jul-2024 09:50	☐
HS24071566-05	WG-1620-MW83C-20240724	Groundwater		24-Jul-2024 13:15	25-Jul-2024 09:50	☐
HS24071566-06	WG-1620-MW83B-20240724	Groundwater		24-Jul-2024 13:45	25-Jul-2024 09:50	☐
HS24071566-07	WG-1620-FD01-20240724	Groundwater		24-Jul-2024 13:50	25-Jul-2024 09:50	☐
HS24071566-08	WG-1620-MW35B-20240724	Groundwater		24-Jul-2024 15:00	25-Jul-2024 09:50	☐
HS24071566-09	WG-1620-MW35A-20240724	Groundwater		24-Jul-2024 15:30	25-Jul-2024 09:50	☐
HS24071566-10	WG-1620-FB01-20240724	Groundwater		24-Jul-2024 16:45	25-Jul-2024 09:50	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW94A-20240724
Collection Date: 24-Jul-2024 08:30

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:54
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:54
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 12:54
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 12:54
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	29-Jul-2024 12:54
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:54
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:54
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	29-Jul-2024 12:54
Surr: 1,2-Dichloroethane-d4	*78.2*			*70-126*	*%REC*	*1*	*29-Jul-2024 12:54*
Surr: 4-Bromofluorobenzene	*91.5*			*77-113*	*%REC*	*1*	*29-Jul-2024 12:54*
Surr: Dibromofluoromethane	*90.9*			*77-123*	*%REC*	*1*	*29-Jul-2024 12:54*
Surr: Toluene-d8	*94.3*			*82-127*	*%REC*	*1*	*29-Jul-2024 12:54*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW94A-20240724
Collection Date: 24-Jul-2024 08:30

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 14:09
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 14:09
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 14:09
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 14:09
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 14:09
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 14:09
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 14:09
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 14:09
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 14:09
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 14:09
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 14:09
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 14:09
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:09
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 14:09
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 14:09
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 14:09
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 14:09
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:09
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 14:09
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 14:09
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 14:09
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:09
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 14:09
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 14:09
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 14:09
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 14:09
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 14:09
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*1*	*03-Aug-2024 14:09*
Surr: 2-Fluorobiphenyl	*72.3*			*40-125*	*%REC*	*1*	*03-Aug-2024 14:09*
Surr: 2-Fluorophenol	*55.9*			*20-120*	*%REC*	*1*	*03-Aug-2024 14:09*
Surr: 4-Terphenyl-d14	*83.3*			*40-135*	*%REC*	*1*	*03-Aug-2024 14:09*
Surr: Nitrobenzene-d5	*84.6*			*41-120*	*%REC*	*1*	*03-Aug-2024 14:09*
Surr: Phenol-d6	*58.7*			*20-120*	*%REC*	*1*	*03-Aug-2024 14:09*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.00488**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 21:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW82B-20240724
Collection Date: 24-Jul-2024 09:15

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:17
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:17
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 13:17
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 13:17
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	29-Jul-2024 13:17
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:17
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:17
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	29-Jul-2024 13:17
Surr: 1,2-Dichloroethane-d4	*78.2*			*70-126*	*%REC*	*1*	*29-Jul-2024 13:17*
Surr: 4-Bromofluorobenzene	*93.9*			*77-113*	*%REC*	*1*	*29-Jul-2024 13:17*
Surr: Dibromofluoromethane	*92.4*			*77-123*	*%REC*	*1*	*29-Jul-2024 13:17*
Surr: Toluene-d8	*96.8*			*82-127*	*%REC*	*1*	*29-Jul-2024 13:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW82B-20240724
Collection Date: 24-Jul-2024 09:15

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 14:31
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 14:31
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 14:31
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 14:31
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 14:31
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 14:31
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 14:31
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 14:31
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 14:31
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 14:31
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 14:31
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 14:31
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:31
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 14:31
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 14:31
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 14:31
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 14:31
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:31
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 14:31
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 14:31
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 14:31
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:31
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 14:31
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 14:31
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 14:31
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 14:31
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 14:31
Surr: 2,4,6-Tribromophenol	*83.1*			*34-129*	*%REC*	*1*	*03-Aug-2024 14:31*
Surr: 2-Fluorobiphenyl	*62.2*			*40-125*	*%REC*	*1*	*03-Aug-2024 14:31*
Surr: 2-Fluorophenol	*61.0*			*20-120*	*%REC*	*1*	*03-Aug-2024 14:31*
Surr: 4-Terphenyl-d14	*81.1*			*40-135*	*%REC*	*1*	*03-Aug-2024 14:31*
Surr: Nitrobenzene-d5	*67.6*			*41-120*	*%REC*	*1*	*03-Aug-2024 14:31*
Surr: Phenol-d6	*61.1*			*20-120*	*%REC*	*1*	*03-Aug-2024 14:31*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.000965**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 21:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071566
Sample ID: WG-1620-MW93B-20240724
Lab ID:HS24071566-03
Collection Date: 24-Jul-2024 10:00
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:40
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 13:40
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 13:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	29-Jul-2024 13:40
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:40
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 13:40
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	29-Jul-2024 13:40
Surr: 1,2-Dichloroethane-d4	*75.3*			*70-126*	*%REC*	*1*	*29-Jul-2024 13:40*
Surr: 4-Bromofluorobenzene	*86.9*			*77-113*	*%REC*	*1*	*29-Jul-2024 13:40*
Surr: Dibromofluoromethane	*87.9*			*77-123*	*%REC*	*1*	*29-Jul-2024 13:40*
Surr: Toluene-d8	*91.5*			*82-127*	*%REC*	*1*	*29-Jul-2024 13:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW93B-20240724
Collection Date: 24-Jul-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 14:53
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 14:53
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 14:53
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 14:53
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 14:53
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 14:53
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 14:53
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 14:53
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 14:53
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 14:53
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 14:53
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 14:53
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:53
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 14:53
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 14:53
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 14:53
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 14:53
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:53
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 14:53
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 14:53
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 14:53
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 14:53
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 14:53
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 14:53
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 14:53
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 14:53
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 14:53
Surr: 2,4,6-Tribromophenol	*106*			*34-129*	*%REC*	*1*	*03-Aug-2024 14:53*
Surr: 2-Fluorobiphenyl	*79.8*			*40-125*	*%REC*	*1*	*03-Aug-2024 14:53*
Surr: 2-Fluorophenol	*63.2*			*20-120*	*%REC*	*1*	*03-Aug-2024 14:53*
Surr: 4-Terphenyl-d14	*82.8*			*40-135*	*%REC*	*1*	*03-Aug-2024 14:53*
Surr: Nitrobenzene-d5	*84.2*			*41-120*	*%REC*	*1*	*03-Aug-2024 14:53*
Surr: Phenol-d6	*70.3*			*20-120*	*%REC*	*1*	*03-Aug-2024 14:53*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.00195**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 21:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071566
Sample ID: WG-1620-MW92B-20240724
Lab ID:HS24071566-04
Collection Date: 24-Jul-2024 10:55
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:03
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:03
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 14:03
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 14:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	29-Jul-2024 14:03
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:03
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:03
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	29-Jul-2024 14:03
Surr: 1,2-Dichloroethane-d4	*76.6*			*70-126*	*%REC*	*1*	*29-Jul-2024 14:03*
Surr: 4-Bromofluorobenzene	*93.0*			*77-113*	*%REC*	*1*	*29-Jul-2024 14:03*
Surr: Dibromofluoromethane	*88.8*			*77-123*	*%REC*	*1*	*29-Jul-2024 14:03*
Surr: Toluene-d8	*96.7*			*82-127*	*%REC*	*1*	*29-Jul-2024 14:03*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW92B-20240724
Collection Date: 24-Jul-2024 10:55

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 15:16
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 15:16
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 15:16
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 15:16
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 15:16
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 15:16
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 15:16
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 15:16
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 15:16
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 15:16
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 15:16
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 15:16
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 15:16
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 15:16
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 15:16
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 15:16
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 15:16
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 15:16
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 15:16
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 15:16
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 15:16
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 15:16
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 15:16
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 15:16
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 15:16
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 15:16
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 15:16
Surr: 2,4,6-Tribromophenol	*79.6*			*34-129*	*%REC*	*1*	*03-Aug-2024 15:16*
Surr: 2-Fluorobiphenyl	*67.0*			*40-125*	*%REC*	*1*	*03-Aug-2024 15:16*
Surr: 2-Fluorophenol	*56.4*			*20-120*	*%REC*	*1*	*03-Aug-2024 15:16*
Surr: 4-Terphenyl-d14	*77.6*			*40-135*	*%REC*	*1*	*03-Aug-2024 15:16*
Surr: Nitrobenzene-d5	*82.3*			*41-120*	*%REC*	*1*	*03-Aug-2024 15:16*
Surr: Phenol-d6	*62.6*			*20-120*	*%REC*	*1*	*03-Aug-2024 15:16*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.00154**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 21:55

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83C-20240724
Collection Date: 24-Jul-2024 13:15

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:25
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:25
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 14:25
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 14:25
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	29-Jul-2024 14:25
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:25
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 14:25
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	29-Jul-2024 14:25
Surr: 1,2-Dichloroethane-d4	*83.2*			*70-126*	*%REC*	*1*	*29-Jul-2024 14:25*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*29-Jul-2024 14:25*
Surr: Dibromofluoromethane	*94.6*			*77-123*	*%REC*	*1*	*29-Jul-2024 14:25*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*29-Jul-2024 14:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83C-20240724
Collection Date: 24-Jul-2024 13:15

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 15:38
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 15:38
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 15:38
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 15:38
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 15:38
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 15:38
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 15:38
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 15:38
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 15:38
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 15:38
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 15:38
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 15:38
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 15:38
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 15:38
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 15:38
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 15:38
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 15:38
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 15:38
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 15:38
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 15:38
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 15:38
Naphthalene	**0.00039**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 15:38
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 15:38
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 15:38
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 15:38
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 15:38
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 15:38
Surr: 2,4,6-Tribromophenol	*91.1*			*34-129*	*%REC*	*1*	*03-Aug-2024 15:38*
Surr: 2-Fluorobiphenyl	*63.1*			*40-125*	*%REC*	*1*	*03-Aug-2024 15:38*
Surr: 2-Fluorophenol	*42.3*			*20-120*	*%REC*	*1*	*03-Aug-2024 15:38*
Surr: 4-Terphenyl-d14	*64.7*			*40-135*	*%REC*	*1*	*03-Aug-2024 15:38*
Surr: Nitrobenzene-d5	*57.0*			*41-120*	*%REC*	*1*	*03-Aug-2024 15:38*
Surr: Phenol-d6	*49.1*			*20-120*	*%REC*	*1*	*03-Aug-2024 15:38*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	30-Jul-2024 21:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83B-20240724
Collection Date: 24-Jul-2024 13:45

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 14:51
Benzene	**0.013**		**0.0020**	**0.010**	**mg/L**	10	29-Jul-2024 14:51
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	29-Jul-2024 14:51
Ethylbenzene	**0.034**		**0.0030**	**0.010**	**mg/L**	10	29-Jul-2024 14:51
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	29-Jul-2024 14:51
Toluene	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 14:51
Vinyl chloride	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 14:51
Xylenes, Total	**0.053**		**0.0030**	**0.030**	**mg/L**	10	29-Jul-2024 14:51
Surr: 1,2-Dichloroethane-d4	*73.8*			*70-126*	*%REC*	*10*	*29-Jul-2024 14:51*
Surr: 4-Bromofluorobenzene	*90.9*			*77-113*	*%REC*	*10*	*29-Jul-2024 14:51*
Surr: Dibromofluoromethane	*85.2*			*77-123*	*%REC*	*10*	*29-Jul-2024 14:51*
Surr: Toluene-d8	*86.8*			*82-127*	*%REC*	*10*	*29-Jul-2024 14:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83B-20240724
Collection Date: 24-Jul-2024 13:45

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 16:00
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 16:00
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 16:00
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 16:00
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 16:00
2-Methylnaphthalene	**0.051**		**0.00019**	**0.0010**	**mg/L**	10	05-Aug-2024 14:58
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 16:00
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 16:00
Acenaphthene	**0.061**		**0.00027**	**0.0010**	**mg/L**	10	05-Aug-2024 14:58
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 16:00
Anthracene	**0.0020**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2024 16:00
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 16:00
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 16:00
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 16:00
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 16:00
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 16:00
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 16:00
Dibenzofuran	**0.014**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2024 14:58
Fluoranthene	**0.0015**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2024 16:00
Fluorene	**0.018**		**0.00030**	**0.0010**	**mg/L**	10	05-Aug-2024 14:58
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 16:00
Naphthalene	**1.1**		**0.020**	**0.10**	**mg/L**	1000	05-Aug-2024 15:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 16:00
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 16:00
Phenanthrene	**0.0083**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2024 16:00
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 16:00
Pyrene	**0.0011**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2024 16:00
Surr: 2,4,6-Tribromophenol	*43.2*			*34-129*	*%REC*	*10*	*05-Aug-2024 14:58*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*05-Aug-2024 15:20*
Surr: 2,4,6-Tribromophenol	*111*			*34-129*	*%REC*	*1*	*03-Aug-2024 16:00*
Surr: 2-Fluorobiphenyl	*62.3*			*40-125*	*%REC*	*1*	*03-Aug-2024 16:00*
Surr: 2-Fluorobiphenyl	*77.4*			*40-125*	*%REC*	*10*	*05-Aug-2024 14:58*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*05-Aug-2024 15:20*
Surr: 2-Fluorophenol	*59.5*			*20-120*	*%REC*	*10*	*05-Aug-2024 14:58*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*05-Aug-2024 15:20*
Surr: 2-Fluorophenol	*47.9*			*20-120*	*%REC*	*1*	*03-Aug-2024 16:00*
Surr: 4-Terphenyl-d14	*102*			*40-135*	*%REC*	*10*	*05-Aug-2024 14:58*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*05-Aug-2024 15:20*
Surr: 4-Terphenyl-d14	*80.2*			*40-135*	*%REC*	*1*	*03-Aug-2024 16:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83B-20240724
Collection Date: 24-Jul-2024 13:45

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 30-Jul-2024		Analyst: GEY
Surr: Nitrobenzene-d5	*116*			*41-120*	*%REC*	*1*	*03-Aug-2024 16:00*
Surr: Nitrobenzene-d5	*98.0*			*41-120*	*%REC*	*10*	*05-Aug-2024 14:58*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*05-Aug-2024 15:20*
Surr: Phenol-d6	*23.6*	*J*		*20-120*	*%REC*	*10*	*05-Aug-2024 14:58*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*05-Aug-2024 15:20*
Surr: Phenol-d6	*58.5*			*20-120*	*%REC*	*1*	*03-Aug-2024 16:00*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.0606**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 21:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD01-20240724
Collection Date: 24-Jul-2024 13:50

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 15:16
Benzene	**0.026**		**0.0020**	**0.010**	**mg/L**	10	29-Jul-2024 15:16
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	29-Jul-2024 15:16
Ethylbenzene	**0.091**		**0.0030**	**0.010**	**mg/L**	10	29-Jul-2024 15:16
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	29-Jul-2024 15:16
Toluene	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 15:16
Vinyl chloride	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 15:16
Xylenes, Total	**0.10**		**0.0030**	**0.030**	**mg/L**	10	29-Jul-2024 15:16
Surr: 1,2-Dichloroethane-d4	*79.0*			*70-126*	*%REC*	*10*	*29-Jul-2024 15:16*
Surr: 4-Bromofluorobenzene	*94.4*			*77-113*	*%REC*	*10*	*29-Jul-2024 15:16*
Surr: Dibromofluoromethane	*90.0*			*77-123*	*%REC*	*10*	*29-Jul-2024 15:16*
Surr: Toluene-d8	*90.7*			*82-127*	*%REC*	*10*	*29-Jul-2024 15:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD01-20240724
Collection Date: 24-Jul-2024 13:50

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 16:22
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 16:22
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 16:22
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 16:22
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 16:22
2-Methylnaphthalene	**0.085**		**0.00019**	**0.0010**	**mg/L**	10	05-Aug-2024 15:43
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 16:22
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 16:22
Acenaphthene	**0.081**		**0.00027**	**0.0010**	**mg/L**	10	05-Aug-2024 15:43
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 16:22
Anthracene	**0.0028**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2024 16:22
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 16:22
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 16:22
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 16:22
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 16:22
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 16:22
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 16:22
Dibenzofuran	**0.022**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2024 15:43
Fluoranthene	**0.0023**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2024 16:22
Fluorene	**0.026**		**0.00030**	**0.0010**	**mg/L**	10	05-Aug-2024 15:43
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 16:22
Naphthalene	**2.1**		**0.020**	**0.10**	**mg/L**	1000	05-Aug-2024 16:05
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 16:22
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 16:22
Phenanthrene	**0.016**		**0.00021**	**0.0010**	**mg/L**	10	05-Aug-2024 15:43
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 16:22
Pyrene	**0.0016**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2024 16:22
Surr: 2,4,6-Tribromophenol	*126*			*34-129*	*%REC*	*1*	*03-Aug-2024 16:22*
Surr: 2,4,6-Tribromophenol	*110*			*34-129*	*%REC*	*10*	*05-Aug-2024 15:43*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*05-Aug-2024 16:05*
Surr: 2-Fluorobiphenyl	*90.2*			*40-125*	*%REC*	*10*	*05-Aug-2024 15:43*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*05-Aug-2024 16:05*
Surr: 2-Fluorobiphenyl	*70.1*			*40-125*	*%REC*	*1*	*03-Aug-2024 16:22*
Surr: 2-Fluorophenol	*61.6*			*20-120*	*%REC*	*1*	*03-Aug-2024 16:22*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*05-Aug-2024 16:05*
Surr: 2-Fluorophenol	*83.6*			*20-120*	*%REC*	*10*	*05-Aug-2024 15:43*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*10*	*05-Aug-2024 15:43*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*05-Aug-2024 16:05*
Surr: 4-Terphenyl-d14	*79.1*			*40-135*	*%REC*	*1*	*03-Aug-2024 16:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD01-20240724
Collection Date: 24-Jul-2024 13:50

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 30-Jul-2024		Analyst: GEY
Surr: Nitrobenzene-d5	*112*			*41-120*	*%REC*	*1*	*03-Aug-2024 16:22*
Surr: Nitrobenzene-d5	*93.6*			*41-120*	*%REC*	*10*	*05-Aug-2024 15:43*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*05-Aug-2024 16:05*
Surr: Phenol-d6	*67.9*			*20-120*	*%REC*	*10*	*05-Aug-2024 15:43*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*05-Aug-2024 16:05*
Surr: Phenol-d6	*62.6*			*20-120*	*%REC*	*1*	*03-Aug-2024 16:22*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.0717**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 22:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071566
Sample ID: WG-1620-MW35B-20240724
Lab ID:HS24071566-08
Collection Date: 24-Jul-2024 15:00
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 15:41
Benzene	**0.022**		**0.0020**	**0.010**	**mg/L**	10	29-Jul-2024 15:41
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	29-Jul-2024 15:41
Ethylbenzene	**0.025**		**0.0030**	**0.010**	**mg/L**	10	29-Jul-2024 15:41
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	29-Jul-2024 15:41
Toluene	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 15:41
Vinyl chloride	< 0.0020		0.0020	0.010	mg/L	10	29-Jul-2024 15:41
Xylenes, Total	**0.016**	J	**0.0030**	**0.030**	**mg/L**	10	29-Jul-2024 15:41
Surr: 1,2-Dichloroethane-d4	*79.2*			*70-126*	*%REC*	*10*	*29-Jul-2024 15:41*
Surr: 4-Bromofluorobenzene	*93.6*			*77-113*	*%REC*	*10*	*29-Jul-2024 15:41*
Surr: Dibromofluoromethane	*89.8*			*77-123*	*%REC*	*10*	*29-Jul-2024 15:41*
Surr: Toluene-d8	*90.2*			*82-127*	*%REC*	*10*	*29-Jul-2024 15:41*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35B-20240724
Collection Date: 24-Jul-2024 15:00

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 16:44
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 16:44
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 16:44
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 16:44
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 16:44
2-Methylnaphthalene	**0.028**		**0.00019**	**0.0010**	**mg/L**	10	05-Aug-2024 22:44
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 16:44
4-Nitrophenol	**0.0013**		**0.000047**	**0.0010**	**mg/L**	1	03-Aug-2024 16:44
Acenaphthene	**0.042**		**0.00027**	**0.0010**	**mg/L**	10	05-Aug-2024 22:44
Acenaphthylene	**0.00047**		**0.000015**	**0.00010**	**mg/L**	1	03-Aug-2024 16:44
Anthracene	**0.0026**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2024 16:44
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 16:44
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 16:44
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 16:44
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 16:44
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 16:44
Di-n-butyl phthalate	**0.000057**	J	**0.000020**	**0.00020**	**mg/L**	1	03-Aug-2024 16:44
Dibenzofuran	**0.017**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2024 22:44
Fluoranthene	**0.0018**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2024 16:44
Fluorene	**0.021**		**0.00030**	**0.0010**	**mg/L**	10	05-Aug-2024 22:44
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 16:44
Naphthalene	**0.063**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2024 22:44
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 16:44
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 16:44
Phenanthrene	**0.020**		**0.00021**	**0.0010**	**mg/L**	10	05-Aug-2024 22:44
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 16:44
Pyrene	**0.00084**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2024 16:44
Surr: 2,4,6-Tribromophenol	*113*			*34-129*	*%REC*	*1*	*03-Aug-2024 16:44*
Surr: 2,4,6-Tribromophenol	*107*			*34-129*	*%REC*	*10*	*05-Aug-2024 22:44*
Surr: 2-Fluorobiphenyl	*88.6*			*40-125*	*%REC*	*10*	*05-Aug-2024 22:44*
Surr: 2-Fluorobiphenyl	*69.1*			*40-125*	*%REC*	*1*	*03-Aug-2024 16:44*
Surr: 2-Fluorophenol	*40.6*			*20-120*	*%REC*	*1*	*03-Aug-2024 16:44*
Surr: 2-Fluorophenol	*34.3*	*J*		*20-120*	*%REC*	*10*	*05-Aug-2024 22:44*
Surr: 4-Terphenyl-d14	*101*			*40-135*	*%REC*	*10*	*05-Aug-2024 22:44*
Surr: 4-Terphenyl-d14	*74.8*			*40-135*	*%REC*	*1*	*03-Aug-2024 16:44*
Surr: Nitrobenzene-d5	*78.0*			*41-120*	*%REC*	*1*	*03-Aug-2024 16:44*
Surr: Nitrobenzene-d5	*104*			*41-120*	*%REC*	*10*	*05-Aug-2024 22:44*
Surr: Phenol-d6	*41.2*			*20-120*	*%REC*	*10*	*05-Aug-2024 22:44*
Surr: Phenol-d6	*66.8*			*20-120*	*%REC*	*1*	*03-Aug-2024 16:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35B-20240724
Collection Date: 24-Jul-2024 15:00

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.0110**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 22:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24071566
Sample ID: WG-1620-MW35A-20240724
Lab ID:HS24071566-09
Collection Date: 24-Jul-2024 15:30
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 16:04
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 16:04
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 16:04
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 16:04
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	29-Jul-2024 16:04
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 16:04
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 16:04
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	29-Jul-2024 16:04
Surr: 1,2-Dichloroethane-d4	*76.7*			*70-126*	*%REC*	*1*	*29-Jul-2024 16:04*
Surr: 4-Bromofluorobenzene	*88.9*			*77-113*	*%REC*	*1*	*29-Jul-2024 16:04*
Surr: Dibromofluoromethane	*90.0*			*77-123*	*%REC*	*1*	*29-Jul-2024 16:04*
Surr: Toluene-d8	*94.9*			*82-127*	*%REC*	*1*	*29-Jul-2024 16:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35A-20240724
Collection Date: 24-Jul-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 17:07
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 17:07
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 17:07
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 17:07
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 17:07
2-Methylnaphthalene	**0.00016**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2024 17:07
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 17:07
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 17:07
Acenaphthene	**0.0042**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2024 17:07
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 17:07
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 17:07
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 17:07
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 17:07
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 17:07
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 17:07
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 17:07
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 17:07
Dibenzofuran	**0.00031**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 17:07
Fluoranthene	**0.000068**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2024 17:07
Fluorene	**0.00031**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2024 17:07
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 17:07
Naphthalene	**0.00016**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2024 17:07
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 17:07
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 17:07
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 17:07
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 17:07
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 17:07
Surr: 2,4,6-Tribromophenol	*107*			*34-129*	*%REC*	*1*	*03-Aug-2024 17:07*
Surr: 2-Fluorobiphenyl	*70.3*			*40-125*	*%REC*	*1*	*03-Aug-2024 17:07*
Surr: 2-Fluorophenol	*56.3*			*20-120*	*%REC*	*1*	*03-Aug-2024 17:07*
Surr: 4-Terphenyl-d14	*72.9*			*40-135*	*%REC*	*1*	*03-Aug-2024 17:07*
Surr: Nitrobenzene-d5	*71.2*			*41-120*	*%REC*	*1*	*03-Aug-2024 17:07*
Surr: Phenol-d6	*62.0*			*20-120*	*%REC*	*1*	*03-Aug-2024 17:07*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	**0.0471**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2024 22:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB01-20240724
Collection Date: 24-Jul-2024 16:45

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 12:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	29-Jul-2024 12:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	29-Jul-2024 12:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:08
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	29-Jul-2024 12:08
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	29-Jul-2024 12:08
Surr: 1,2-Dichloroethane-d4	*80.2*			*70-126*	*%REC*	*1*	*29-Jul-2024 12:08*
Surr: 4-Bromofluorobenzene	*93.5*			*77-113*	*%REC*	*1*	*29-Jul-2024 12:08*
Surr: Dibromofluoromethane	*94.8*			*77-123*	*%REC*	*1*	*29-Jul-2024 12:08*
Surr: Toluene-d8	*95.8*			*82-127*	*%REC*	*1*	*29-Jul-2024 12:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB01-20240724
Collection Date: 24-Jul-2024 16:45

ANALYTICAL REPORT
WorkOrder:HS24071566
Lab ID:HS24071566-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 30-Jul-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 17:29
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2024 17:29
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2024 17:29
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2024 17:29
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2024 17:29
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 17:29
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2024 17:29
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2024 17:29
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2024 17:29
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2024 17:29
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2024 17:29
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2024 17:29
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 17:29
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2024 17:29
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2024 17:29
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 17:29
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2024 17:29
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 17:29
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2024 17:29
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2024 17:29
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2024 17:29
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2024 17:29
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2024 17:29
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2024 17:29
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2024 17:29
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2024 17:29
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2024 17:29
Surr: 2,4,6-Tribromophenol	*55.5*			*34-129*	*%REC*	*1*	*03-Aug-2024 17:29*
Surr: 2-Fluorobiphenyl	*77.6*			*40-125*	*%REC*	*1*	*03-Aug-2024 17:29*
Surr: 2-Fluorophenol	*59.1*			*20-120*	*%REC*	*1*	*03-Aug-2024 17:29*
Surr: 4-Terphenyl-d14	*76.1*			*40-135*	*%REC*	*1*	*03-Aug-2024 17:29*
Surr: Nitrobenzene-d5	*96.9*			*41-120*	*%REC*	*1*	*03-Aug-2024 17:29*
Surr: Phenol-d6	*49.0*			*20-120*	*%REC*	*1*	*03-Aug-2024 17:29*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 30-Jul-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	30-Jul-2024 22:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

Batch ID: 215486 **Start Date:** 30 Jul 2024 11:48 **End Date:** 30 Jul 2024 11:48
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071566-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071566-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 215515 **Start Date:** 30 Jul 2024 14:00 **End Date:** 30 Jul 2024 14:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071566-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071566-10		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215486 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071566-01	WG-1620-MW94A-20240724	24 Jul 2024 08:30		30 Jul 2024 11:48	03 Aug 2024 14:09	1
HS24071566-02	WG-1620-MW82B-20240724	24 Jul 2024 09:15		30 Jul 2024 11:48	03 Aug 2024 14:31	1
HS24071566-03	WG-1620-MW93B-20240724	24 Jul 2024 10:00		30 Jul 2024 11:48	03 Aug 2024 14:53	1
HS24071566-04	WG-1620-MW92B-20240724	24 Jul 2024 10:55		30 Jul 2024 11:48	03 Aug 2024 15:16	1
HS24071566-05	WG-1620-MW83C-20240724	24 Jul 2024 13:15		30 Jul 2024 11:48	03 Aug 2024 15:38	1
HS24071566-06	WG-1620-MW83B-20240724	24 Jul 2024 13:45		30 Jul 2024 11:48	05 Aug 2024 15:20	1000
HS24071566-06	WG-1620-MW83B-20240724	24 Jul 2024 13:45		30 Jul 2024 11:48	05 Aug 2024 14:58	10
HS24071566-06	WG-1620-MW83B-20240724	24 Jul 2024 13:45		30 Jul 2024 11:48	03 Aug 2024 16:00	1
HS24071566-07	WG-1620-FD01-20240724	24 Jul 2024 13:50		30 Jul 2024 11:48	05 Aug 2024 16:05	1000
HS24071566-07	WG-1620-FD01-20240724	24 Jul 2024 13:50		30 Jul 2024 11:48	05 Aug 2024 15:43	10
HS24071566-07	WG-1620-FD01-20240724	24 Jul 2024 13:50		30 Jul 2024 11:48	03 Aug 2024 16:22	1
HS24071566-08	WG-1620-MW35B-20240724	24 Jul 2024 15:00		30 Jul 2024 11:48	05 Aug 2024 22:44	10
HS24071566-08	WG-1620-MW35B-20240724	24 Jul 2024 15:00		30 Jul 2024 11:48	03 Aug 2024 16:44	1
HS24071566-09	WG-1620-MW35A-20240724	24 Jul 2024 15:30		30 Jul 2024 11:48	03 Aug 2024 17:07	1
HS24071566-10	WG-1620-FB01-20240724	24 Jul 2024 16:45		30 Jul 2024 11:48	03 Aug 2024 17:29	1
Batch ID: 215515 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24071566-01	WG-1620-MW94A-20240724	24 Jul 2024 08:30		30 Jul 2024 14:00	30 Jul 2024 21:36	1
HS24071566-02	WG-1620-MW82B-20240724	24 Jul 2024 09:15		30 Jul 2024 14:00	30 Jul 2024 21:51	1
HS24071566-03	WG-1620-MW93B-20240724	24 Jul 2024 10:00		30 Jul 2024 14:00	30 Jul 2024 21:53	1
HS24071566-04	WG-1620-MW92B-20240724	24 Jul 2024 10:55		30 Jul 2024 14:00	30 Jul 2024 21:55	1
HS24071566-05	WG-1620-MW83C-20240724	24 Jul 2024 13:15		30 Jul 2024 14:00	30 Jul 2024 21:57	1
HS24071566-06	WG-1620-MW83B-20240724	24 Jul 2024 13:45		30 Jul 2024 14:00	30 Jul 2024 21:59	1
HS24071566-07	WG-1620-FD01-20240724	24 Jul 2024 13:50		30 Jul 2024 14:00	30 Jul 2024 22:01	1
HS24071566-08	WG-1620-MW35B-20240724	24 Jul 2024 15:00		30 Jul 2024 14:00	30 Jul 2024 22:04	1
HS24071566-09	WG-1620-MW35A-20240724	24 Jul 2024 15:30		30 Jul 2024 14:00	30 Jul 2024 22:06	1
HS24071566-10	WG-1620-FB01-20240724	24 Jul 2024 16:45		30 Jul 2024 14:00	30 Jul 2024 22:08	1
Batch ID: R473087 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071566-01	WG-1620-MW94A-20240724	24 Jul 2024 08:30			29 Jul 2024 12:54	1
HS24071566-02	WG-1620-MW82B-20240724	24 Jul 2024 09:15			29 Jul 2024 13:17	1
HS24071566-03	WG-1620-MW93B-20240724	24 Jul 2024 10:00			29 Jul 2024 13:40	1
HS24071566-04	WG-1620-MW92B-20240724	24 Jul 2024 10:55			29 Jul 2024 14:03	1
HS24071566-05	WG-1620-MW83C-20240724	24 Jul 2024 13:15			29 Jul 2024 14:25	1
HS24071566-06	WG-1620-MW83B-20240724	24 Jul 2024 13:45			29 Jul 2024 14:51	10
HS24071566-07	WG-1620-FD01-20240724	24 Jul 2024 13:50			29 Jul 2024 15:16	10
HS24071566-08	WG-1620-MW35B-20240724	24 Jul 2024 15:00			29 Jul 2024 15:41	10
HS24071566-09	WG-1620-MW35A-20240724	24 Jul 2024 15:30			29 Jul 2024 16:04	1
HS24071566-10	WG-1620-FB01-20240724	24 Jul 2024 16:45			29 Jul 2024 12:08	1

WorkOrder: HS24071566
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00168	0.000400	0.00200

WorkOrder: HS24071566
InstrumentID: SV-7
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000097	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000074	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000099	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00010	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00010	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00025	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000047	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00010	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00010	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00013	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00011	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00011	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000065	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00012	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00012	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00011	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00011	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000092	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00011	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000089	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.000020	0.000027	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00012	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00013	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071566
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00047	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00049	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00041	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00050	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00047	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00046	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0014	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: 215515 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215515** Units: **mg/L** Analysis Date: **31-Jul-2024 11:35**
Client ID: Run ID: **ICPMS05_473285** SeqNo: **8167847** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215515** Units: **mg/L** Analysis Date: **30-Jul-2024 21:33**
Client ID: Run ID: **ICPMS05_473203** SeqNo: **8166827** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04724	0.00200	0.05	0	94.5	80 - 120				

MS Sample ID: **HS24071566-01MS** Units: **mg/L** Analysis Date: **30-Jul-2024 21:40**
Client ID: **WG-1620-MW94A-20240724** Run ID: **ICPMS05_473203** SeqNo: **8166830** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05372	0.00200	0.05	0.004879	97.7	80 - 120				

MS Sample ID: **HS24071342-01MS** Units: **mg/L** Analysis Date: **31-Jul-2024 15:31**
Client ID: Run ID: **ICPMS05_473285** SeqNo: **8168936** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04983	0.0100	0.05	0.002171	95.3	80 - 120				

MSD Sample ID: **HS24071566-01MSD** Units: **mg/L** Analysis Date: **30-Jul-2024 21:42**
Client ID: **WG-1620-MW94A-20240724** Run ID: **ICPMS05_473203** SeqNo: **8166831** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05328	0.00200	0.05	0.004879	96.8	80 - 120	0.05372	0.822	20	

MSD Sample ID: **HS24071342-01MSD** Units: **mg/L** Analysis Date: **31-Jul-2024 15:33**
Client ID: Run ID: **ICPMS05_473285** SeqNo: **8168937** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0489	0.0100	0.05	0.002171	93.5	80 - 120	0.04983	1.89	20	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: 215515 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

PDS Sample ID: **HS24071566-01PDS** Units: **mg/L** Analysis Date: **30-Jul-2024 21:44**
Client ID: **WG-1620-MW94A-20240724** Run ID: **ICPMS05_473203** SeqNo: **8166832** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.106	0.00200	0.1	0.004879	101	75 - 125				

PDS Sample ID: **HS24071342-01PDS** Units: **mg/L** Analysis Date: **31-Jul-2024 15:35**
Client ID: Run ID: **ICPMS05_473285** SeqNo: **8168938** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1056	0.0100	0.1	0.002171	103	75 - 125				

SD Sample ID: **HS24071566-01SD** Units: **mg/L** Analysis Date: **30-Jul-2024 21:38**
Client ID: **WG-1620-MW94A-20240724** Run ID: **ICPMS05_473203** SeqNo: **8166829** PrepDate: **30-Jul-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.003856	0.0100					0.004879	0	10	J

SD Sample ID: **HS24071342-01SD** Units: **mg/L** Analysis Date: **31-Jul-2024 15:29**
Client ID: Run ID: **ICPMS05_473285** SeqNo: **8168935** PrepDate: **30-Jul-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.002166	0.0500					0.002171	0	10	J

The following samples were analyzed in this batch:

HS24071566-01	HS24071566-02	HS24071566-03	HS24071566-04
HS24071566-05	HS24071566-06	HS24071566-07	HS24071566-08
HS24071566-09	HS24071566-10		

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 14:18**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173917** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.063*	*0.20*	*5*	*0*	*61.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.882*	*0.20*	*5*	*0*	*77.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.397*	*0.20*	*5*	*0*	*67.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.212*	*0.20*	*5*	*0*	*84.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.008*	*0.20*	*5*	*0*	*80.2*	*41 - 120*				
Surr: Phenol-d6	*3.512*	*0.20*	*5*	*0*	*70.2*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 13:12**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173916** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.89	0.20	5	0	97.8	39 - 127				
2,4-Dimethylphenol	3.543	0.20	5	0	70.9	35 - 120				
2,4-Dinitrotoluene	4.465	0.20	5	0	89.3	50 - 122				
2,6-Dinitrotoluene	4.325	0.20	5	0	86.5	50 - 120				
2-Chloronaphthalene	4.259	0.20	5	0	85.2	50 - 120				
2-Methylnaphthalene	3.971	0.10	5	0	79.4	50 - 120				
4,6-Dinitro-2-methylphenol	3.548	1.0	5	0	71.0	25 - 121				
4-Nitrophenol	5.04	1.0	5	0	101	30 - 130				
Acenaphthene	4.12	0.10	5	0	82.4	45 - 120				
Acenaphthylene	4.01	0.10	5	0	80.2	47 - 120				
Anthracene	3.688	0.10	5	0	73.8	45 - 120				
Benz(a)anthracene	3.861	0.10	5	0	77.2	40 - 120				
Benzo(a)pyrene	4.166	0.10	5	0	83.3	45 - 120				
Bis(2-chloroethoxy)methane	4.223	0.20	5	0	84.5	45 - 120				
Bis(2-ethylhexyl)phthalate	3.835	0.20	5	0	76.7	40 - 139				
Chrysene	4.077	0.10	5	0	81.5	43 - 120				
Dibenzofuran	4.106	0.10	5	0	82.1	50 - 120				
Di-n-butyl phthalate	3.624	0.20	5	0	72.5	45 - 123				
Fluoranthene	3.617	0.10	5	0	72.3	45 - 125				
Fluorene	4.166	0.10	5	0	83.3	49 - 120				
Naphthalene	3.754	0.10	5	0	75.1	45 - 120				
Nitrobenzene	4.497	0.20	5	0	89.9	44 - 120				
N-Nitrosodiphenylamine	3.605	0.20	5	0	72.1	40 - 125				
Pentachlorophenol	3.343	0.20	5	0	66.9	19 - 121				
Phenanthrene	3.651	0.10	5	0	73.0	45 - 121				
Phenol	4.682	0.20	5	0	93.6	20 - 124				
Pyrene	3.842	0.10	5	0	76.8	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.534*	*0.20*	*5*	*0*	*111*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.374*	*0.20*	*5*	*0*	*87.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.843*	*0.20*	*5*	*0*	*76.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.907*	*0.20*	*5*	*0*	*78.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.272*	*0.20*	*5*	*0*	*85.4*	*41 - 120*				
Surr: Phenol-d6	*4.394*	*0.20*	*5*	*0*	*87.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215486** Units: **ug/L** Analysis Date: **02-Aug-2024 17:38**
Client ID: Run ID: **SV-7_473615** SeqNo: **8173928** PrepDate: **30-Jul-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.908	0.20	5	0	98.2	39 - 127	4.89	0.373	20	
2,4-Dimethylphenol	3.299	0.20	5	0	66.0	35 - 120	3.543	7.14	20	
2,4-Dinitrotoluene	3.938	0.20	5	0	78.8	50 - 122	4.465	12.5	20	
2,6-Dinitrotoluene	4.059	0.20	5	0	81.2	50 - 120	4.325	6.34	20	
2-Chloronaphthalene	4.327	0.20	5	0	86.5	50 - 120	4.259	1.59	20	
2-Methylnaphthalene	4.22	0.10	5	0	84.4	50 - 120	3.971	6.09	20	
4,6-Dinitro-2-methylphenol	3.05	1.0	5	0	61.0	25 - 121	3.548	15.1	30	
4-Nitrophenol	4.07	1.0	5	0	81.4	30 - 130	5.04	21.3	20	R
Acenaphthene	3.907	0.10	5	0	78.1	45 - 120	4.12	5.3	20	
Acenaphthylene	3.649	0.10	5	0	73.0	47 - 120	4.01	9.43	20	
Anthracene	4.128	0.10	5	0	82.6	45 - 120	3.688	11.3	20	
Benz(a)anthracene	3.466	0.10	5	0	69.3	40 - 120	3.861	10.8	20	
Benzo(a)pyrene	4.155	0.10	5	0	83.1	45 - 120	4.166	0.258	20	
Bis(2-chloroethoxy)methane	4.125	0.20	5	0	82.5	45 - 120	4.223	2.35	20	
Bis(2-ethylhexyl)phthalate	3.788	0.20	5	0	75.8	40 - 139	3.835	1.22	20	
Chrysene	4.066	0.10	5	0	81.3	43 - 120	4.077	0.265	20	
Dibenzofuran	3.828	0.10	5	0	76.6	50 - 120	4.106	7.03	20	
Di-n-butyl phthalate	3.794	0.20	5	0	75.9	45 - 123	3.624	4.56	20	
Fluoranthene	4.043	0.10	5	0	80.9	45 - 125	3.617	11.1	20	
Fluorene	3.838	0.10	5	0	76.8	49 - 120	4.166	8.2	20	
Naphthalene	3.763	0.10	5	0	75.3	45 - 120	3.754	0.243	20	
Nitrobenzene	4.391	0.20	5	0	87.8	44 - 120	4.497	2.39	20	
N-Nitrosodiphenylamine	4.02	0.20	5	0	80.4	40 - 125	3.605	10.9	20	
Pentachlorophenol	2.886	0.20	5	0	57.7	19 - 121	3.343	14.7	20	
Phenanthrene	3.878	0.10	5	0	77.6	45 - 121	3.651	6.02	20	
Phenol	4.605	0.20	5	0	92.1	20 - 124	4.682	1.66	20	
Pyrene	3.763	0.10	5	0	75.3	40 - 130	3.842	2.09	20	
Surr: 2,4,6-Tribromophenol	*5.144*	*0.20*	*5*	*0*	*103*	*34 - 129*	*5.534*	*7.3*	*20*	
Surr: 2-Fluorobiphenyl	*4.006*	*0.20*	*5*	*0*	*80.1*	*40 - 125*	*4.374*	*8.79*	*20*	
Surr: 2-Fluorophenol	*3.717*	*0.20*	*5*	*0*	*74.3*	*20 - 120*	*3.843*	*3.34*	*20*	
Surr: 4-Terphenyl-d14	*4.177*	*0.20*	*5*	*0*	*83.5*	*40 - 135*	*3.907*	*6.68*	*20*	
Surr: Nitrobenzene-d5	*4.779*	*0.20*	*5*	*0*	*95.6*	*41 - 120*	*4.272*	*11.2*	*20*	
Surr: Phenol-d6	*4.244*	*0.20*	*5*	*0*	*84.9*	*20 - 120*	*4.394*	*3.49*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: 215486 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24071566-01	HS24071566-02	HS24071566-03	HS24071566-04
HS24071566-05	HS24071566-06	HS24071566-07	HS24071566-08
HS24071566-09	HS24071566-10		

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: R473087 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240729** Units: **ug/L** Analysis Date: **29-Jul-2024 10:37**
Client ID: Run ID: **VOA7_473087** SeqNo: **8163392** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*40.4*	*1.0*	*50*	*0*	*80.8*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.3*	*1.0*	*50*	*0*	*98.6*	*77 - 113*				
Surr: Dibromofluoromethane	*48.23*	*1.0*	*50*	*0*	*96.5*	*73 - 126*				
Surr: Toluene-d8	*50.31*	*1.0*	*50*	*0*	*101*	*81 - 120*				

LCS Sample ID: **VLCSW-240729** Units: **ug/L** Analysis Date: **29-Jul-2024 09:28**
Client ID: Run ID: **VOA7_473087** SeqNo: **8163390** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.27	1.0	20	0	91.3	70 - 124				
Benzene	20.62	1.0	20	0	103	74 - 120				
Chlorobenzene	21.32	1.0	20	0	107	76 - 113				
Ethylbenzene	21.39	1.0	20	0	107	77 - 117				
Methylene chloride	18.87	2.0	20	0	94.4	70 - 127				
Toluene	19.68	1.0	20	0	98.4	77 - 118				
Vinyl chloride	22.35	1.0	20	0	112	70 - 130				
Xylenes, Total	63.07	3.0	60	0	105	75 - 122				
Surr: 1,2-Dichloroethane-d4	*42.17*	*1.0*	*50*	*0*	*84.3*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.73*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*49*	*1.0*	*50*	*0*	*98.0*	*73 - 126*				
Surr: Toluene-d8	*50.72*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: R473087 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240729** Units: **ug/L** Analysis Date: **29-Jul-2024 09:51**
Client ID: Run ID: **VOA7_473087** SeqNo: **8163391** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	18.61	1.0	20	0	93.0	70 - 124	18.27	1.85	20	
Benzene	19.61	1.0	20	0	98.1	74 - 120	20.62	5.02	20	
Chlorobenzene	20.42	1.0	20	0	102	76 - 113	21.32	4.33	20	
Ethylbenzene	20.19	1.0	20	0	101	77 - 117	21.39	5.8	20	
Methylene chloride	18.81	2.0	20	0	94.0	70 - 127	18.87	0.352	20	
Toluene	18.81	1.0	20	0	94.0	77 - 118	19.68	4.54	20	
Vinyl chloride	22.26	1.0	20	0	111	70 - 130	22.35	0.402	20	
Xylenes, Total	59.07	3.0	60	0	98.4	75 - 122	63.07	6.55	20	
Surr: 1,2-Dichloroethane-d4	*40.69*	*1.0*	*50*	*0*	*81.4*	*70 - 123*	*42.17*	*3.56*	*20*	
Surr: 4-Bromofluorobenzene	*48.51*	*1.0*	*50*	*0*	*97.0*	*77 - 113*	*50.73*	*4.47*	*20*	
Surr: Dibromofluoromethane	*47.77*	*1.0*	*50*	*0*	*95.5*	*73 - 126*	*49*	*2.53*	*20*	
Surr: Toluene-d8	*46.6*	*1.0*	*50*	*0*	*93.2*	*81 - 120*	*50.72*	*8.47*	*20*	

MS Sample ID: **HS24071595-02MS** Units: **ug/L** Analysis Date: **29-Jul-2024 18:44**
Client ID: Run ID: **VOA7_473087** SeqNo: **8164948** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	65.85	1.0	20	49.66	80.9	70 - 127				
Benzene	46.41	1.0	20	25.21	106	70 - 127				
Chlorobenzene	47.24	1.0	20	25.65	108	70 - 114				
Ethylbenzene	22.14	1.0	20	0	111	70 - 124				
Methylene chloride	18.65	2.0	20	0	93.2	70 - 128				
Toluene	23.55	1.0	20	2.874	103	70 - 123				
Vinyl chloride	549.7	1.0	20	524.2	127	70 - 130				EO
Xylenes, Total	66.04	3.0	60	0	110	70 - 130				
Surr: 1,2-Dichloroethane-d4	*40.65*	*1.0*	*50*	*0*	*81.3*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.23*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*47.84*	*1.0*	*50*	*0*	*95.7*	*77 - 123*				
Surr: Toluene-d8	*49.01*	*1.0*	*50*	*0*	*98.0*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071566

QC BATCH REPORT

Batch ID: R473087 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24071595-02MSD** Units: **ug/L** Analysis Date: **29-Jul-2024 19:07**
Client ID: Run ID: **VOA7_473087** SeqNo: **8164949** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	63.07	1.0	20	49.66	67.0	70 - 127	65.85	4.31	20	S
Benzene	43.56	1.0	20	25.21	91.7	70 - 127	46.41	6.34	20	
Chlorobenzene	44.86	1.0	20	25.65	96.1	70 - 114	47.24	5.18	20	
Ethylbenzene	21.1	1.0	20	0	105	70 - 124	22.14	4.83	20	
Methylene chloride	17.44	2.0	20	0	87.2	70 - 128	18.65	6.69	20	
Toluene	22.38	1.0	20	2.874	97.5	70 - 123	23.55	5.09	20	
Vinyl chloride	502.9	1.0	20	524.2	-106	70 - 130	549.7	8.88	20	SEO
Xylenes, Total	62.43	3.0	60	0	104	70 - 130	66.04	5.63	20	
Surr: 1,2-Dichloroethane-d4	*39.42*	*1.0*	*50*	*0*	*78.8*	*70 - 126*	*40.65*	*3.06*	*20*	
Surr: 4-Bromofluorobenzene	*49.01*	*1.0*	*50*	*0*	*98.0*	*77 - 113*	*50.23*	*2.47*	*20*	
Surr: Dibromofluoromethane	*46.71*	*1.0*	*50*	*0*	*93.4*	*77 - 123*	*47.84*	*2.39*	*20*	
Surr: Toluene-d8	*48.15*	*1.0*	*50*	*0*	*96.3*	*82 - 127*	*49.01*	*1.77*	*20*	

The following samples were analyzed in this batch:

HS24071566-01	HS24071566-02	HS24071566-03	HS24071566-04
HS24071566-05	HS24071566-06	HS24071566-07	HS24071566-08
HS24071566-09	HS24071566-10		

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24071566**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24071566 **Date/Time Received:** **25-Jul-2024 09:50**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Michael Lucio	26-Jul-2024 18:43	**Reviewed by:**	/S/ Luis.Aguilar	31-Jul-2024 10:40
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **w** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320988
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.3uc/3.3c 2.9uc/2.9c	IR34	
Cooler(s)/Kit(s):	45286/Blue		
Date/Time sample(s) sent to storage:	07/26/2024 18:47		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336 | Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 320988

HS24071566 WV

WSP Austin

Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~FW~~ WG-1620-MW94A-20240724	7/24/24	830	GW	HNO3, 8	6	X	X	X								
2	WG-1620-MW82B-20240724		915		HNO3, 8	6	X	X	X								
3	WG-1620-MW93B-20240724		1000		HNO3, 8	6	X	X	X								
4	WG-1620-MW92B-20240724		1055			6	X	X	X								
5	WG-1620-MW83C-20240724		1315			6	X	X	X								
6	WG-1620-MW83B-20240724		1345			6	X	X	X								
7	WG-1620-FD01-20240724		1350			6	X	X	X								
8	WG-1620-MW35B-20240724		1500			6	X	X	X								
9	WG-1620-MW35A-20240724	7/24/24	1530	GW	HNO3, 8	6	X	X	X								
10	WG-1620-FB01-20240724	7/24/24	1645	GW	HNO3, 8	6	X	X	X*								

Sampler(s) Please Print & Sign: Leon Strause

Shipment Method: Carter

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☒

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Brian Bupstin	7/25/24	0825	D.D
Relinquished by:	Date:	Time:	Received by (Laboratory):
D.D	7/25/24	0950	D.D
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 21, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24080439**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 9 sample(s) on Aug 06, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080439**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080439**	

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/21/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080439				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215948, 215983, 216100, R475034				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				2
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				3
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/21/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080439				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215948, 215983, 216100, R475034				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/21/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24080439
Reviewer Name: Luis Aguilar	Prep Batch Number(s): 215948, 215983, 216100, R475034

ER#[5]	Description
1	Batch 215948, Semivolatiles by method SW8270, Sample WG-1620-MW38B-20240805: surrogate recoveries could not be determined due to dilution below the calibration range.
2	Analyses of 8260 were performed by Eurofins in Stafford, TX. Report and Laboratory Review Checklist are appended.
3	Batch 215948, Semivolatiles by method SW8270, Sample WG-1620-MW38B-20240805: The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24080439

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24080439-01	WG-1620-MW95A-20240805	Groundwater		05-Aug-2024 08:35	06-Aug-2024 15:54	☐
HS24080439-02	WG-1620-MW96B-20240805	Groundwater		05-Aug-2024 09:40	06-Aug-2024 15:54	☐
HS24080439-03	WG-1620-MW22BR-20240805	Groundwater		05-Aug-2024 10:35	06-Aug-2024 15:54	☐
HS24080439-04	WG-1620-MW22AR-20240805	Groundwater		05-Aug-2024 11:15	06-Aug-2024 15:54	☐
HS24080439-05	WG-1620-MW38A-20240805	Groundwater		05-Aug-2024 13:45	06-Aug-2024 15:54	☐
HS24080439-06	WG-1620-MW38B-20240805	Groundwater		05-Aug-2024 14:45	06-Aug-2024 15:54	☐
HS24080439-07	WG-1620-FB07-20240805	Water		05-Aug-2024 15:30	06-Aug-2024 15:54	☐
HS24080439-08	WG-1620-MW36D-20240805	Groundwater		06-Aug-2024 12:35	06-Aug-2024 15:54	☐
HS24080439-09	WG-1620-FB08-20240805	Water		06-Aug-2024 13:30	06-Aug-2024 15:54	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW95A-20240805
Collection Date: 05-Aug-2024 08:35

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 00:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 00:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 00:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 00:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 00:15
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 00:15
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 00:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 00:15
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	13-Aug-2024 00:15
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 00:15
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	13-Aug-2024 00:15
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 00:15
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 00:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 00:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 00:15
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 00:15
Di-n-butyl phthalate	**0.000041**	J	**0.000020**	**0.00020**	**mg/L**	1	13-Aug-2024 00:15
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 00:15
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	13-Aug-2024 00:15
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	13-Aug-2024 00:15
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 00:15
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 00:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 00:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 00:15
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 00:15
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 00:15
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 00:15
Surr: 2,4,6-Tribromophenol	*98.1*			*34-129*	*%REC*	*1*	*13-Aug-2024 00:15*
Surr: 2-Fluorobiphenyl	*69.6*			*40-125*	*%REC*	*1*	*13-Aug-2024 00:15*
Surr: 2-Fluorophenol	*59.5*			*20-120*	*%REC*	*1*	*13-Aug-2024 00:15*
Surr: 4-Terphenyl-d14	*94.7*			*40-135*	*%REC*	*1*	*13-Aug-2024 00:15*
Surr: Nitrobenzene-d5	*59.7*			*41-120*	*%REC*	*1*	*13-Aug-2024 00:15*
Surr: Phenol-d6	*68.8*			*20-120*	*%REC*	*1*	*13-Aug-2024 00:15*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.000617**	J	**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 00:59
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW96B-20240805
Collection Date: 05-Aug-2024 09:40

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	17-Aug-2024 20:26
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	17-Aug-2024 20:26
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	17-Aug-2024 20:26
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	17-Aug-2024 20:26
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	17-Aug-2024 20:26
2-Methylnaphthalene	**0.000051**	J	**0.000019**	**0.00010**	**mg/L**	1	17-Aug-2024 20:26
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	17-Aug-2024 20:26
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	17-Aug-2024 20:26
Acenaphthene	**0.000042**	J	**0.000027**	**0.00010**	**mg/L**	1	17-Aug-2024 20:26
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	17-Aug-2024 20:26
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	17-Aug-2024 20:26
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	17-Aug-2024 20:26
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	17-Aug-2024 20:26
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	17-Aug-2024 20:26
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	17-Aug-2024 20:26
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	17-Aug-2024 20:26
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	17-Aug-2024 20:26
Dibenzofuran	**0.000056**	J	**0.000020**	**0.00010**	**mg/L**	1	17-Aug-2024 20:26
Fluoranthene	**0.000033**	J	**0.000010**	**0.00010**	**mg/L**	1	17-Aug-2024 20:26
Fluorene	**0.000042**	J	**0.000030**	**0.00010**	**mg/L**	1	17-Aug-2024 20:26
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	17-Aug-2024 20:26
Naphthalene	**0.000096**	J	**0.000020**	**0.00010**	**mg/L**	1	17-Aug-2024 20:26
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	17-Aug-2024 20:26
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	17-Aug-2024 20:26
Phenanthrene	**0.000078**	J	**0.000021**	**0.00010**	**mg/L**	1	17-Aug-2024 20:26
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	17-Aug-2024 20:26
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	17-Aug-2024 20:26
Surr: 2,4,6-Tribromophenol	*93.9*			*34-129*	*%REC*	*1*	*17-Aug-2024 20:26*
Surr: 2-Fluorobiphenyl	*102*			*40-125*	*%REC*	*1*	*17-Aug-2024 20:26*
Surr: 2-Fluorophenol	*107*			*20-120*	*%REC*	*1*	*17-Aug-2024 20:26*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*1*	*17-Aug-2024 20:26*
Surr: Nitrobenzene-d5	*98.1*			*41-120*	*%REC*	*1*	*17-Aug-2024 20:26*
Surr: Phenol-d6	*120*			*20-120*	*%REC*	*1*	*17-Aug-2024 20:26*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	14-Aug-2024 01:02
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW22BR-20240805
Collection Date: 05-Aug-2024 10:35

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 00:39
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 00:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 00:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 00:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 00:39
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 00:39
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 00:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 00:39
Acenaphthene	**0.0043**		**0.000027**	**0.00010**	**mg/L**	1	13-Aug-2024 00:39
Acenaphthylene	**0.000032**	J	**0.000015**	**0.00010**	**mg/L**	1	13-Aug-2024 00:39
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	13-Aug-2024 00:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 00:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 00:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 00:39
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 00:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 00:39
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 00:39
Dibenzofuran	**0.000074**	J	**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 00:39
Fluoranthene	**0.00040**		**0.000010**	**0.00010**	**mg/L**	1	13-Aug-2024 00:39
Fluorene	**0.0011**		**0.000030**	**0.00010**	**mg/L**	1	13-Aug-2024 00:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 00:39
Naphthalene	**0.000060**	J	**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 00:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 00:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 00:39
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 00:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 00:39
Pyrene	**0.00018**		**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 00:39
Surr: 2,4,6-Tribromophenol	*110*			*34-129*	*%REC*	*1*	*13-Aug-2024 00:39*
Surr: 2-Fluorobiphenyl	*72.6*			*40-125*	*%REC*	*1*	*13-Aug-2024 00:39*
Surr: 2-Fluorophenol	*57.1*			*20-120*	*%REC*	*1*	*13-Aug-2024 00:39*
Surr: 4-Terphenyl-d14	*98.1*			*40-135*	*%REC*	*1*	*13-Aug-2024 00:39*
Surr: Nitrobenzene-d5	*56.9*			*41-120*	*%REC*	*1*	*13-Aug-2024 00:39*
Surr: Phenol-d6	*66.7*			*20-120*	*%REC*	*1*	*13-Aug-2024 00:39*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.00801**		**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:04
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW22AR-20240805
Collection Date: 05-Aug-2024 11:15

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:02
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 01:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 01:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 01:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:02
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:02
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 01:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 01:02
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	13-Aug-2024 01:02
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 01:02
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	13-Aug-2024 01:02
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 01:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 01:02
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 01:02
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:02
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 01:02
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:02
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	13-Aug-2024 01:02
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	13-Aug-2024 01:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 01:02
Naphthalene	**0.000032**	J	**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 01:02
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 01:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 01:02
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 01:02
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:02
Surr: 2,4,6-Tribromophenol	*116*			*34-129*	*%REC*	*1*	*13-Aug-2024 01:02*
Surr: 2-Fluorobiphenyl	*81.1*			*40-125*	*%REC*	*1*	*13-Aug-2024 01:02*
Surr: 2-Fluorophenol	*67.8*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:02*
Surr: 4-Terphenyl-d14	*99.2*			*40-135*	*%REC*	*1*	*13-Aug-2024 01:02*
Surr: Nitrobenzene-d5	*68.8*			*41-120*	*%REC*	*1*	*13-Aug-2024 01:02*
Surr: Phenol-d6	*78.2*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:02*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	14-Aug-2024 01:06
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW38A-20240805
Collection Date: 05-Aug-2024 13:45

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:25
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 01:25
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 01:25
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 01:25
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:25
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:25
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 01:25
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 01:25
Acenaphthene	**0.00050**		**0.000027**	**0.00010**	**mg/L**	1	13-Aug-2024 01:25
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 01:25
Anthracene	**0.000043**	J	**0.000014**	**0.00010**	**mg/L**	1	13-Aug-2024 01:25
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 01:25
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:25
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 01:25
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 01:25
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:25
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 01:25
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:25
Fluoranthene	**0.00024**		**0.000010**	**0.00010**	**mg/L**	1	13-Aug-2024 01:25
Fluorene	**0.000058**	J	**0.000030**	**0.00010**	**mg/L**	1	13-Aug-2024 01:25
N-Nitrosodiphenylamine	**0.00014**	J	**0.000025**	**0.00020**	**mg/L**	1	13-Aug-2024 01:25
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:25
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 01:25
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 01:25
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:25
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 01:25
Pyrene	**0.00024**		**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 01:25
Surr: 2,4,6-Tribromophenol	*87.2*			*34-129*	*%REC*	*1*	*13-Aug-2024 01:25*
Surr: 2-Fluorobiphenyl	*60.1*			*40-125*	*%REC*	*1*	*13-Aug-2024 01:25*
Surr: 2-Fluorophenol	*54.6*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:25*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*13-Aug-2024 01:25*
Surr: Nitrobenzene-d5	*53.9*			*41-120*	*%REC*	*1*	*13-Aug-2024 01:25*
Surr: Phenol-d6	*61.6*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:25*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.0372**		**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:09
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW38B-20240805
Collection Date: 05-Aug-2024 14:45

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00042		0.00042	0.0040	mg/L	20	17-Aug-2024 20:49
2,4-Dimethylphenol	< 0.00080		0.00080	0.0040	mg/L	20	17-Aug-2024 20:49
2,4-Dinitrotoluene	< 0.0012		0.0012	0.0040	mg/L	20	17-Aug-2024 20:49
2,6-Dinitrotoluene	< 0.00084		0.00084	0.0040	mg/L	20	17-Aug-2024 20:49
2-Chloronaphthalene	< 0.00042		0.00042	0.0040	mg/L	20	17-Aug-2024 20:49
2-Methylnaphthalene	**0.0088**		**0.00038**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
4,6-Dinitro-2-methylphenol	< 0.00040		0.00040	0.020	mg/L	20	17-Aug-2024 20:49
4-Nitrophenol	< 0.00094		0.00094	0.020	mg/L	20	17-Aug-2024 20:49
Acenaphthene	**0.030**		**0.00054**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Acenaphthylene	**0.00054**	J	**0.00030**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Anthracene	**0.0015**	J	**0.00028**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Benz(a)anthracene	< 0.0010		0.0010	0.0020	mg/L	20	17-Aug-2024 20:49
Benzo(a)pyrene	< 0.00040		0.00040	0.0020	mg/L	20	17-Aug-2024 20:49
Bis(2-chloroethoxy)methane	< 0.00060		0.00060	0.0040	mg/L	20	17-Aug-2024 20:49
Bis(2-ethylhexyl)phthalate	< 0.00074		0.00074	0.0040	mg/L	20	17-Aug-2024 20:49
Chrysene	< 0.00042		0.00042	0.0020	mg/L	20	17-Aug-2024 20:49
Di-n-butyl phthalate	< 0.00040		0.00040	0.0040	mg/L	20	17-Aug-2024 20:49
Dibenzofuran	**0.018**		**0.00040**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Fluoranthene	**0.00086**	J	**0.00020**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Fluorene	**0.015**		**0.00060**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
N-Nitrosodiphenylamine	< 0.00050		0.00050	0.0040	mg/L	20	17-Aug-2024 20:49
Naphthalene	**0.18**		**0.00040**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Nitrobenzene	< 0.00048		0.00048	0.0040	mg/L	20	17-Aug-2024 20:49
Pentachlorophenol	< 0.0016		0.0016	0.0040	mg/L	20	17-Aug-2024 20:49
Phenanthrene	**0.0051**		**0.00042**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Phenol	< 0.00070		0.00070	0.0040	mg/L	20	17-Aug-2024 20:49
Pyrene	**0.00041**	J	**0.00038**	**0.0020**	**mg/L**	20	17-Aug-2024 20:49
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*20*	*17-Aug-2024 20:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20*	*17-Aug-2024 20:49*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*20*	*17-Aug-2024 20:49*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20*	*17-Aug-2024 20:49*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20*	*17-Aug-2024 20:49*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*20*	*17-Aug-2024 20:49*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.0447**		**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:11
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB07-20240805
Collection Date: 05-Aug-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:48
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 01:48
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 01:48
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 01:48
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 01:48
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:48
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 01:48
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 01:48
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	13-Aug-2024 01:48
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 01:48
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	13-Aug-2024 01:48
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 01:48
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:48
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 01:48
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 01:48
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:48
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 01:48
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:48
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	13-Aug-2024 01:48
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	13-Aug-2024 01:48
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 01:48
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 01:48
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 01:48
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 01:48
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 01:48
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 01:48
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 01:48
Surr: 2,4,6-Tribromophenol	*95.5*			*34-129*	*%REC*	*1*	*13-Aug-2024 01:48*
Surr: 2-Fluorobiphenyl	*85.9*			*40-125*	*%REC*	*1*	*13-Aug-2024 01:48*
Surr: 2-Fluorophenol	*76.2*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:48*
Surr: 4-Terphenyl-d14	*93.2*			*40-135*	*%REC*	*1*	*13-Aug-2024 01:48*
Surr: Nitrobenzene-d5	*72.9*			*41-120*	*%REC*	*1*	*13-Aug-2024 01:48*
Surr: Phenol-d6	*83.1*			*20-120*	*%REC*	*1*	*13-Aug-2024 01:48*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	14-Aug-2024 01:14
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW36D-20240805
Collection Date: 06-Aug-2024 12:35

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 12-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	20-Aug-2024 14:35
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	20-Aug-2024 14:35
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	20-Aug-2024 14:35
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	20-Aug-2024 14:35
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	20-Aug-2024 14:35
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	20-Aug-2024 14:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	20-Aug-2024 14:35
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	20-Aug-2024 14:35
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	20-Aug-2024 14:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	20-Aug-2024 14:35
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	20-Aug-2024 14:35
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	20-Aug-2024 14:35
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	20-Aug-2024 14:35
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	20-Aug-2024 14:35
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	20-Aug-2024 14:35
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	20-Aug-2024 14:35
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	20-Aug-2024 14:35
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	20-Aug-2024 14:35
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	20-Aug-2024 14:35
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	20-Aug-2024 14:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	20-Aug-2024 14:35
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	20-Aug-2024 14:35
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	20-Aug-2024 14:35
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	20-Aug-2024 14:35
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	20-Aug-2024 14:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	20-Aug-2024 14:35
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	20-Aug-2024 14:35
Surr: 2,4,6-Tribromophenol	*86.5*			*34-129*	*%REC*	*1*	*20-Aug-2024 14:35*
Surr: 2-Fluorobiphenyl	*76.2*			*40-125*	*%REC*	*1*	*20-Aug-2024 14:35*
Surr: 2-Fluorophenol	*65.8*			*20-120*	*%REC*	*1*	*20-Aug-2024 14:35*
Surr: 4-Terphenyl-d14	*113*			*40-135*	*%REC*	*1*	*20-Aug-2024 14:35*
Surr: Nitrobenzene-d5	*77.7*			*41-120*	*%REC*	*1*	*20-Aug-2024 14:35*
Surr: Phenol-d6	*65.8*			*20-120*	*%REC*	*1*	*20-Aug-2024 14:35*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.000805**	J	**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:16
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB08-20240805
Collection Date: 06-Aug-2024 13:30

ANALYTICAL REPORT
WorkOrder:HS24080439
Lab ID:HS24080439-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 12-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 14:12
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Aug-2024 14:12
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2024 14:12
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2024 14:12
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 14:12
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 14:12
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2024 14:12
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2024 14:12
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Aug-2024 14:12
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2024 14:12
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	16-Aug-2024 14:12
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2024 14:12
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 14:12
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2024 14:12
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2024 14:12
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2024 14:12
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	16-Aug-2024 14:12
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 14:12
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	16-Aug-2024 14:12
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Aug-2024 14:12
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2024 14:12
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 14:12
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2024 14:12
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2024 14:12
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2024 14:12
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2024 14:12
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 14:12
Surr: 2,4,6-Tribromophenol	*40.1*			*34-129*	*%REC*	*1*	*16-Aug-2024 14:12*
Surr: 2-Fluorobiphenyl	*74.4*			*40-125*	*%REC*	*1*	*16-Aug-2024 14:12*
Surr: 2-Fluorophenol	*64.2*			*20-120*	*%REC*	*1*	*16-Aug-2024 14:12*
Surr: 4-Terphenyl-d14	*60.6*			*40-135*	*%REC*	*1*	*16-Aug-2024 14:12*
Surr: Nitrobenzene-d5	*86.4*			*41-120*	*%REC*	*1*	*16-Aug-2024 14:12*
Surr: Phenol-d6	*68.2*			*20-120*	*%REC*	*1*	*16-Aug-2024 14:12*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	14-Aug-2024 01:19
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

Batch ID: 215948 **Start Date:** 08 Aug 2024 12:42 **End Date:** 08 Aug 2024 12:42
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080439-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080439-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080439-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080439-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080439-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080439-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080439-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 215983 **Start Date:** 08 Aug 2024 10:00 **End Date:** 08 Aug 2024 10:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080439-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080439-09		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 216100 **Start Date:** 12 Aug 2024 14:54 **End Date:** 12 Aug 2024 14:54
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080439-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080439-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215948 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS24080439-07	WG-1620-FB07-20240805	05 Aug 2024 15:30		08 Aug 2024 12:42	13 Aug 2024 01:48	1
Batch ID: 215948 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24080439-01	WG-1620-MW95A-20240805	05 Aug 2024 08:35		08 Aug 2024 12:42	13 Aug 2024 00:15	1
HS24080439-02	WG-1620-MW96B-20240805	05 Aug 2024 09:40		08 Aug 2024 12:42	17 Aug 2024 20:26	1
HS24080439-03	WG-1620-MW22BR-20240805	05 Aug 2024 10:35		08 Aug 2024 12:42	13 Aug 2024 00:39	1
HS24080439-04	WG-1620-MW22AR-20240805	05 Aug 2024 11:15		08 Aug 2024 12:42	13 Aug 2024 01:02	1
HS24080439-05	WG-1620-MW38A-20240805	05 Aug 2024 13:45		08 Aug 2024 12:42	13 Aug 2024 01:25	1
HS24080439-06	WG-1620-MW38B-20240805	05 Aug 2024 14:45		08 Aug 2024 12:42	17 Aug 2024 20:49	20
Batch ID: 215983 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS24080439-07	WG-1620-FB07-20240805	05 Aug 2024 15:30		08 Aug 2024 10:00	14 Aug 2024 01:14	1
HS24080439-09	WG-1620-FB08-20240805	06 Aug 2024 13:30		08 Aug 2024 10:00	14 Aug 2024 01:19	1
Batch ID: 215983 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24080439-01	WG-1620-MW95A-20240805	05 Aug 2024 08:35		08 Aug 2024 10:00	14 Aug 2024 00:59	1
HS24080439-02	WG-1620-MW96B-20240805	05 Aug 2024 09:40		08 Aug 2024 10:00	14 Aug 2024 01:02	1
HS24080439-03	WG-1620-MW22BR-20240805	05 Aug 2024 10:35		08 Aug 2024 10:00	14 Aug 2024 01:04	1
HS24080439-04	WG-1620-MW22AR-20240805	05 Aug 2024 11:15		08 Aug 2024 10:00	14 Aug 2024 01:06	1
HS24080439-05	WG-1620-MW38A-20240805	05 Aug 2024 13:45		08 Aug 2024 10:00	14 Aug 2024 01:09	1
HS24080439-06	WG-1620-MW38B-20240805	05 Aug 2024 14:45		08 Aug 2024 10:00	14 Aug 2024 01:11	1
HS24080439-08	WG-1620-MW36D-20240805	06 Aug 2024 12:35		08 Aug 2024 10:00	14 Aug 2024 01:16	1
Batch ID: 216100 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS24080439-09	WG-1620-FB08-20240805	06 Aug 2024 13:30		12 Aug 2024 14:54	16 Aug 2024 14:12	1
Batch ID: 216100 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24080439-08	WG-1620-MW36D-20240805	06 Aug 2024 12:35		12 Aug 2024 14:54	20 Aug 2024 14:35	1
Batch ID: R475034 (0)	**Test Name :** SUBCONTRACT ANALYSIS -VOC ANALYSIS				**Matrix:** Water	
HS24080439-07	WG-1620-FB07-20240805	05 Aug 2024 15:30			20 Aug 2024 19:53	1
HS24080439-09	WG-1620-FB08-20240805	06 Aug 2024 13:30			20 Aug 2024 19:53	1
Batch ID: R475034 (0)	**Test Name :** SUBCONTRACT ANALYSIS -VOC ANALYSIS				**Matrix:** Groundwater	
HS24080439-01	WG-1620-MW95A-20240805	05 Aug 2024 08:35			20 Aug 2024 19:53	1
HS24080439-02	WG-1620-MW96B-20240805	05 Aug 2024 09:40			20 Aug 2024 19:53	1
HS24080439-03	WG-1620-MW22BR-20240805	05 Aug 2024 10:35			20 Aug 2024 19:53	1
HS24080439-04	WG-1620-MW22AR-20240805	05 Aug 2024 11:15			20 Aug 2024 19:53	1
HS24080439-05	WG-1620-MW38A-20240805	05 Aug 2024 13:45			20 Aug 2024 19:53	1
HS24080439-06	WG-1620-MW38B-20240805	05 Aug 2024 14:45			20 Aug 2024 19:53	1
HS24080439-08	WG-1620-MW36D-20240805	06 Aug 2024 12:35			20 Aug 2024 19:53	1

WorkOrder: HS24080439
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00168	0.000400	0.00200

WorkOrder: HS24080439
InstrumentID: SV-8
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000055	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000047	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000044	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000045	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000061	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000060	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00035	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000046	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.00014	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.00014	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.00014	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.00014	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.00012	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000059	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000048	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.00016	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000055	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.00014	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.00014	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000056	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.00014	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000069	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000050	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.00014	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000061	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.00014	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080439
InstrumentID: SV-9
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.00016	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000066	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.00014	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.00015	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00015	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00018	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00023	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.00011	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00017	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00020	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00020	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00019	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00015	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.00016	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00020	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00019	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00019	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00025	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00030	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00018	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.00017	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00026	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00018	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000080	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00030	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.00015	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00028	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080439
InstrumentID: Subcontract
Test Code: SUB_VOC
Test Number: SUBCONTRACT
Test Name: Subcontract Analysis -VOC

METHOD DETECTION / REPORTING LIMITS

Matrix: NA **Units:** NA

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Subcontracted Analyses		0	0	0	0

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

QC BATCH REPORT

Batch ID: 215983 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215983** Units: **mg/L** Analysis Date: **14-Aug-2024 00:21**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191270** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215983** Units: **mg/L** Analysis Date: **14-Aug-2024 00:23**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191271** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04505	0.00200	0.05	0	90.1	80 - 120				

MS Sample ID: **HS24080474-01MS** Units: **mg/L** Analysis Date: **14-Aug-2024 00:30**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191274** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04761	0.00200	0.05	0.000246	94.7	80 - 120				

MSD Sample ID: **HS24080474-01MSD** Units: **mg/L** Analysis Date: **14-Aug-2024 00:33**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191275** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04743	0.00200	0.05	0.000246	94.4	80 - 120	0.04761	0.375	20	

PDS Sample ID: **HS24080474-01PDS** Units: **mg/L** Analysis Date: **14-Aug-2024 00:35**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191276** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09626	0.00200	0.1	0.000246	96.0	75 - 125				

SD Sample ID: **HS24080474-01SD** Units: **mg/L** Analysis Date: **14-Aug-2024 00:28**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191273** PrepDate: **08-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.000246	0	10	

The following samples were analyzed in this batch: HS24080439-01, HS24080439-02, HS24080439-03, HS24080439-04, HS24080439-05, HS24080439-06, HS24080439-07, HS24080439-08, HS24080439-09

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

QC BATCH REPORT

Batch ID: 215948 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215948** Units: **ug/L** Analysis Date: **12-Aug-2024 16:42**
Client ID: Run ID: **SV-8_474377** SeqNo: **8190403** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*4.787*	*0.20*	*5*	*0*	*95.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.361*	*0.20*	*5*	*0*	*87.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.777*	*0.20*	*5*	*0*	*75.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.815*	*0.20*	*5*	*0*	*96.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.701*	*0.20*	*5*	*0*	*74.0*	*41 - 120*				
Surr: Phenol-d6	*4.163*	*0.20*	*5*	*0*	*83.3*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

QC BATCH REPORT

Batch ID: 215948 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215948** Units: **ug/L** Analysis Date: **12-Aug-2024 17:28**
Client ID: Run ID: **SV-8_474377** SeqNo: **8190404** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.886	0.20	5	0	77.7	39 - 127				
2,4-Dimethylphenol	3.355	0.20	5	0	67.1	35 - 120				
2,4-Dinitrotoluene	4.678	0.20	5	0	93.6	50 - 122				
2,6-Dinitrotoluene	4.651	0.20	5	0	93.0	50 - 120				
2-Chloronaphthalene	4.483	0.20	5	0	89.7	50 - 120				
2-Methylnaphthalene	4.221	0.10	5	0	84.4	50 - 120				
4,6-Dinitro-2-methylphenol	4.181	1.0	5	0	83.6	25 - 121				
4-Nitrophenol	4.126	1.0	5	0	82.5	30 - 130				
Acenaphthene	3.967	0.10	5	0	79.3	45 - 120				
Acenaphthylene	4.033	0.10	5	0	80.7	47 - 120				
Anthracene	4.123	0.10	5	0	82.5	45 - 120				
Benz(a)anthracene	4.361	0.10	5	0	87.2	40 - 120				
Benzo(a)pyrene	4.592	0.10	5	0	91.8	45 - 120				
Bis(2-chloroethoxy)methane	3.778	0.20	5	0	75.6	45 - 120				
Bis(2-ethylhexyl)phthalate	4.457	0.20	5	0	89.1	40 - 139				
Chrysene	4.263	0.10	5	0	85.3	43 - 120				
Dibenzofuran	4.128	0.10	5	0	82.6	50 - 120				
Di-n-butyl phthalate	4.382	0.20	5	0	87.6	45 - 123				
Fluoranthene	4.251	0.10	5	0	85.0	45 - 125				
Fluorene	4.387	0.10	5	0	87.7	49 - 120				
Naphthalene	3.758	0.10	5	0	75.2	45 - 120				
Nitrobenzene	3.608	0.20	5	0	72.2	44 - 120				
N-Nitrosodiphenylamine	4.132	0.20	5	0	82.6	40 - 125				
Pentachlorophenol	4.124	0.20	5	0	82.5	19 - 121				
Phenanthrene	3.935	0.10	5	0	78.7	45 - 121				
Phenol	3.877	0.20	5	0	77.5	20 - 124				
Pyrene	4.227	0.10	5	0	84.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.83*	*0.20*	*5*	*0*	*117*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.862*	*0.20*	*5*	*0*	*97.2*	*40 - 125*				
Surr: 2-Fluorophenol	*4.043*	*0.20*	*5*	*0*	*80.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.351*	*0.20*	*5*	*0*	*107*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.965*	*0.20*	*5*	*0*	*79.3*	*41 - 120*				
Surr: Phenol-d6	*4.53*	*0.20*	*5*	*0*	*90.6*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

QC BATCH REPORT

Batch ID: 215948 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215948** Units: **ug/L** Analysis Date: **12-Aug-2024 17:52**
Client ID: Run ID: **SV-8_474377** SeqNo: **8190405** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.987	0.20	5	0	79.7	39 - 127	3.886	2.56	20	
2,4-Dimethylphenol	3.458	0.20	5	0	69.2	35 - 120	3.355	3.05	20	
2,4-Dinitrotoluene	4.695	0.20	5	0	93.9	50 - 122	4.678	0.376	20	
2,6-Dinitrotoluene	4.518	0.20	5	0	90.4	50 - 120	4.651	2.9	20	
2-Chloronaphthalene	4.476	0.20	5	0	89.5	50 - 120	4.483	0.155	20	
2-Methylnaphthalene	4.195	0.10	5	0	83.9	50 - 120	4.221	0.597	20	
4,6-Dinitro-2-methylphenol	4.302	1.0	5	0	86.0	25 - 121	4.181	2.85	30	
4-Nitrophenol	4.073	1.0	5	0	81.5	30 - 130	4.126	1.29	20	
Acenaphthene	3.944	0.10	5	0	78.9	45 - 120	3.967	0.586	20	
Acenaphthylene	4.002	0.10	5	0	80.0	47 - 120	4.033	0.778	20	
Anthracene	4.174	0.10	5	0	83.5	45 - 120	4.123	1.23	20	
Benz(a)anthracene	4.316	0.10	5	0	86.3	40 - 120	4.361	1.04	20	
Benzo(a)pyrene	4.55	0.10	5	0	91.0	45 - 120	4.592	0.929	20	
Bis(2-chloroethoxy)methane	3.79	0.20	5	0	75.8	45 - 120	3.778	0.317	20	
Bis(2-ethylhexyl)phthalate	4.428	0.20	5	0	88.6	40 - 139	4.457	0.653	20	
Chrysene	4.334	0.10	5	0	86.7	43 - 120	4.263	1.66	20	
Dibenzofuran	4.111	0.10	5	0	82.2	50 - 120	4.128	0.413	20	
Di-n-butyl phthalate	4.48	0.20	5	0	89.6	45 - 123	4.382	2.2	20	
Fluoranthene	4.324	0.10	5	0	86.5	45 - 125	4.251	1.69	20	
Fluorene	4.318	0.10	5	0	86.4	49 - 120	4.387	1.6	20	
Naphthalene	3.81	0.10	5	0	76.2	45 - 120	3.758	1.39	20	
Nitrobenzene	3.621	0.20	5	0	72.4	44 - 120	3.608	0.344	20	
N-Nitrosodiphenylamine	4.222	0.20	5	0	84.4	40 - 125	4.132	2.15	20	
Pentachlorophenol	4.244	0.20	5	0	84.9	19 - 121	4.124	2.87	20	
Phenanthrene	4.081	0.10	5	0	81.6	45 - 121	3.935	3.65	20	
Phenol	3.871	0.20	5	0	77.4	20 - 124	3.877	0.145	20	
Pyrene	4.192	0.10	5	0	83.8	40 - 130	4.227	0.839	20	
Surr: 2,4,6-Tribromophenol	*5.931*	*0.20*	*5*	*0*	*119*	*34 - 129*	*5.83*	*1.72*	*20*	
Surr: 2-Fluorobiphenyl	*4.805*	*0.20*	*5*	*0*	*96.1*	*40 - 125*	*4.862*	*1.19*	*20*	
Surr: 2-Fluorophenol	*4.042*	*0.20*	*5*	*0*	*80.8*	*20 - 120*	*4.043*	*0.00522*	*20*	
Surr: 4-Terphenyl-d14	*5.364*	*0.20*	*5*	*0*	*107*	*40 - 135*	*5.351*	*0.236*	*20*	
Surr: Nitrobenzene-d5	*4.049*	*0.20*	*5*	*0*	*81.0*	*41 - 120*	*3.965*	*2.1*	*20*	
Surr: Phenol-d6	*4.524*	*0.20*	*5*	*0*	*90.5*	*20 - 120*	*4.53*	*0.127*	*20*	

The following samples were analyzed in this batch: HS24080439-01 HS24080439-02 HS24080439-03 HS24080439-04 HS24080439-05 HS24080439-06 HS24080439-07

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

QC BATCH REPORT

Batch ID: 216100 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-216100** Units: **ug/L** Analysis Date: **16-Aug-2024 10:06**
Client ID: Run ID: **SV-9_474786** SeqNo: **8198699** PrepDate: **12-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*1.791*	*0.20*	*5*	*0*	*35.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.792*	*0.20*	*5*	*0*	*75.8*	*40 - 125*				
Surr: 2-Fluorophenol	*3.317*	*0.20*	*5*	*0*	*66.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.527*	*0.20*	*5*	*0*	*90.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.282*	*0.20*	*5*	*0*	*85.6*	*41 - 120*				
Surr: Phenol-d6	*3.656*	*0.20*	*5*	*0*	*73.1*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

QC BATCH REPORT

Batch ID: 216100 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-216100** Units: **ug/L** Analysis Date: **16-Aug-2024 10:28**
Client ID: Run ID: **SV-9_474786** SeqNo: **8198700** PrepDate: **12-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.654	0.20	5	0	93.1	39 - 127				
2,4-Dimethylphenol	3.532	0.20	5	0	70.6	35 - 120				
2,4-Dinitrotoluene	3.996	0.20	5	0	79.9	50 - 122				
2,6-Dinitrotoluene	3.956	0.20	5	0	79.1	50 - 120				
2-Chloronaphthalene	3.769	0.20	5	0	75.4	50 - 120				
2-Methylnaphthalene	3.963	0.10	5	0	79.3	50 - 120				
4,6-Dinitro-2-methylphenol	2.734	1.0	5	0	54.7	25 - 121				
4-Nitrophenol	3.007	1.0	5	0	60.1	30 - 130				
Acenaphthene	3.882	0.10	5	0	77.6	45 - 120				
Acenaphthylene	3.87	0.10	5	0	77.4	47 - 120				
Anthracene	4.152	0.10	5	0	83.0	45 - 120				
Benz(a)anthracene	3.864	0.10	5	0	77.3	40 - 120				
Benzo(a)pyrene	3.87	0.10	5	0	77.4	45 - 120				
Bis(2-chloroethoxy)methane	4.029	0.20	5	0	80.6	45 - 120				
Bis(2-ethylhexyl)phthalate	4.641	0.20	5	0	92.8	40 - 139				
Chrysene	4.008	0.10	5	0	80.2	43 - 120				
Dibenzofuran	4.017	0.10	5	0	80.3	50 - 120				
Di-n-butyl phthalate	4.48	0.20	5	0	89.6	45 - 123				
Fluoranthene	4.04	0.10	5	0	80.8	45 - 125				
Fluorene	3.887	0.10	5	0	77.7	49 - 120				
Naphthalene	3.841	0.10	5	0	76.8	45 - 120				
Nitrobenzene	4.138	0.20	5	0	82.8	44 - 120				
N-Nitrosodiphenylamine	4.041	0.20	5	0	80.8	40 - 125				
Pentachlorophenol	2.354	0.20	5	0	47.1	19 - 121				
Phenanthrene	3.926	0.10	5	0	78.5	45 - 121				
Phenol	4.014	0.20	5	0	80.3	20 - 124				
Pyrene	4.19	0.10	5	0	83.8	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.898*	*0.20*	*5*	*0*	*78.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.621*	*0.20*	*5*	*0*	*92.4*	*40 - 125*				
Surr: 2-Fluorophenol	*4.156*	*0.20*	*5*	*0*	*83.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.009*	*0.20*	*5*	*0*	*100*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.993*	*0.20*	*5*	*0*	*99.9*	*41 - 120*				
Surr: Phenol-d6	*4.694*	*0.20*	*5*	*0*	*93.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080439

QC BATCH REPORT

Batch ID: 216100 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-216100** Units: **ug/L** Analysis Date: **16-Aug-2024 10:50**
Client ID: Run ID: **SV-9_474786** SeqNo: **8198701** PrepDate: **12-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.658	0.20	5	0	93.2	39 - 127	4.654	0.0851	20	
2,4-Dimethylphenol	3.511	0.20	5	0	70.2	35 - 120	3.532	0.595	20	
2,4-Dinitrotoluene	3.922	0.20	5	0	78.4	50 - 122	3.996	1.87	20	
2,6-Dinitrotoluene	3.896	0.20	5	0	77.9	50 - 120	3.956	1.51	20	
2-Chloronaphthalene	3.793	0.20	5	0	75.9	50 - 120	3.769	0.616	20	
2-Methylnaphthalene	3.969	0.10	5	0	79.4	50 - 120	3.963	0.16	20	
4,6-Dinitro-2-methylphenol	2.695	1.0	5	0	53.9	25 - 121	2.734	1.42	30	
4-Nitrophenol	2.921	1.0	5	0	58.4	30 - 130	3.007	2.92	20	
Acenaphthene	3.823	0.10	5	0	76.5	45 - 120	3.882	1.53	20	
Acenaphthylene	3.831	0.10	5	0	76.6	47 - 120	3.87	1.02	20	
Anthracene	4.159	0.10	5	0	83.2	45 - 120	4.152	0.18	20	
Benz(a)anthracene	3.813	0.10	5	0	76.3	40 - 120	3.864	1.33	20	
Benzo(a)pyrene	3.738	0.10	5	0	74.8	45 - 120	3.87	3.46	20	
Bis(2-chloroethoxy)methane	3.976	0.20	5	0	79.5	45 - 120	4.029	1.33	20	
Bis(2-ethylhexyl)phthalate	4.772	0.20	5	0	95.4	40 - 139	4.641	2.79	20	
Chrysene	4.049	0.10	5	0	81.0	43 - 120	4.008	1.02	20	
Dibenzofuran	4.009	0.10	5	0	80.2	50 - 120	4.017	0.199	20	
Di-n-butyl phthalate	4.518	0.20	5	0	90.4	45 - 123	4.48	0.86	20	
Fluoranthene	4.049	0.10	5	0	81.0	45 - 125	4.04	0.208	20	
Fluorene	3.816	0.10	5	0	76.3	49 - 120	3.887	1.86	20	
Naphthalene	3.852	0.10	5	0	77.0	45 - 120	3.841	0.28	20	
Nitrobenzene	4.176	0.20	5	0	83.5	44 - 120	4.138	0.914	20	
N-Nitrosodiphenylamine	4.085	0.20	5	0	81.7	40 - 125	4.041	1.09	20	
Pentachlorophenol	2.26	0.20	5	0	45.2	19 - 121	2.354	4.06	20	
Phenanthrene	4.031	0.10	5	0	80.6	45 - 121	3.926	2.63	20	
Phenol	3.964	0.20	5	0	79.3	20 - 124	4.014	1.25	20	
Pyrene	4.269	0.10	5	0	85.4	40 - 130	4.19	1.87	20	
Surr: 2,4,6-Tribromophenol	*3.847*	*0.20*	*5*	*0*	*76.9*	*34 - 129*	*3.898*	*1.31*	*20*	
Surr: 2-Fluorobiphenyl	*4.513*	*0.20*	*5*	*0*	*90.3*	*40 - 125*	*4.621*	*2.36*	*20*	
Surr: 2-Fluorophenol	*4.165*	*0.20*	*5*	*0*	*83.3*	*20 - 120*	*4.156*	*0.227*	*20*	
Surr: 4-Terphenyl-d14	*5.14*	*0.20*	*5*	*0*	*103*	*40 - 135*	*5.009*	*2.59*	*20*	
Surr: Nitrobenzene-d5	*4.986*	*0.20*	*5*	*0*	*99.7*	*41 - 120*	*4.993*	*0.134*	*20*	
Surr: Phenol-d6	*4.696*	*0.20*	*5*	*0*	*93.9*	*20 - 120*	*4.694*	*0.0286*	*20*	

The following samples were analyzed in this batch: HS24080439-08 HS24080439-09

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24080439**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24080439 **Date/Time Received:** **06-Aug-2024 15:54**

Client Name: PBW **Received by:** **Patrick Salome**

Completed By:	/S/ Armand Morgan	07-Aug-2024 14:36	**Reviewed by:**	/S/ salina zaid	07-Aug-2024 17:00
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320559
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.1UC/1.1C 1.4UC/1.4C	IR 34
Cooler(s)/Kit(s):	52468/52138	
Date/Time sample(s) sent to storage:	08/07/24 14:30	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of ____

COC ID: 320559

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24080439
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW95A-20240805	8/5/24	835	GW	HNO3, ICE	6	X	X	X								
2	WG-1620-MW96B-20240805		940			6	X	X	X								
3	WG-1620-MW22BR-20240805		1035			6	X	X	X								
4	WG-1620-MW22AR-20240805		1115			6	X	X	X								
5	WG-1620-MW38A-20240805		1345			6	X	X	X								
6	WG-1620-MW38B-20240805		~~1445~~			6	X	X	X								
7	WG-1620-FB07-20240805	8/5/24	1530			6	X	X	X								
8	WG-1620-MW36D-20240806	8/6/24	1235			6	X	X	X								
9	WG-1620-FB08-20240806	8/6/24	1330	GW	HNO3, ICE	6	X	X	X								
10																	

Sampler(s) Please Print & Sign: Leon St Rose

Shipment Method: Pickup

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
	8-6-24	1514	
Relinquished by:	Date:	Time:	Received by (Laboratory):
	8/6/24	1554	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPVV 1620-21

Cooler ID	Cooler Temp.
	nil C
52468	1.1
52133	1.4

QC Package: (Check One Box Below)
[ ] Level I Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SW/8 QC/LP
[ ] Other
[X] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

JRM 34 CFO -

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jumoke Lawal
ALS Group USA Corp
10450 Stancliff Rd.
Suite 210
Houston, Texas 77099

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JOB DESCRIPTION

HS24080439

JOB NUMBER

860-80417-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

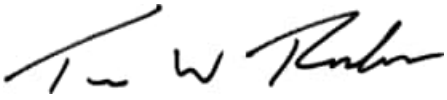
Eurofins Houston

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Travis Richter, Project Manager
Travis.Richter@et.eurofinsus.com
(281)794-7216

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Definitions/Glossary

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method 8260D Detection Limit Validation

Laboratory Eurofins Houston

Preparation Method: 5030C MDLV

Limit Group MSV - 8260_C-D_624.1 - Water - ALL

Analysis Dates: 2/14/2024 to 6/28/2024

Analyte

1,1,1,2-Tetrachloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000644	0.001	0.000644	0.0008	mg/L	1.2	0.00255	0.0028811	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078177	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084891	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105605	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00155385	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00202608	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00210438	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00253873	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950618	mg/L	Pass

1,1,1-Trichloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000585	0.005	0.000585	0.0008	mg/L	1.4	0.00202	0.0028022	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078805	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077835	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105261	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158724	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00259523	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075990	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116643	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00982708	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111373	mg/L	Pass

1,1,2,2-Tetrachloroethane

Current		Calculations								*MDLV used - 145268-9* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000470	0.001	0.000470	0.0008	mg/L	1.7	0.00200	0.0032193	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00070005	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00092188	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091834	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00094725	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00113903	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00164881	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061450	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130911	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01112902	mg/L	Pass

Analyte

1,1,2-Trichloro-1,2,2-trifluoroethane

Current MDL	Current RL
0.001110	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001110	0.001	mg/L	.9	0.00219	0.0030628	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00052323	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112963	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00360363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00251545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00045179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00062476	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00115745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00978660	mg/L	Pass

1,1,2-Trichloroethane

Current MDL	Current RL
0.000411	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00219	0.0034347	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079672	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066845	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118506	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01066064	mg/L	Pass

1,1-Dichloroethane

Current MDL	Current RL
0.000635	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000635	0.0008	mg/L	1.3	0.00203	0.0032912	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00080157	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00080548	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082513	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107236	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149662	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063573	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075649	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00111606	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01078178	mg/L	Pass

1,1-Dichloroethene

Current MDL	Current RL
0.000738	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000738	0.0009	mg/L	1.2	0.00215	0.0030955	9	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00046126	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00092183	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138086	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00309595	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00054285	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065145	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00123662	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01013383	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00096347	mg/L	Pass

1,1-Dichloropropene

Current		Calculations								*MDLV used - 164176-31* 1 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000624	0.005	0.000624	0.0008	mg/L	1.3	0.00219	0.0025487	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096559	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077721	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094174	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00147394	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00423037	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00301299	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086219	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00153407	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00902905	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00129929	mg/L	Pass

1,2,3-Trichlorobenzene

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001769	0.005	0.001769	0.001	mg/L	.6	0.00249	0.0028501	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00090790	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00122720	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152544	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00352691	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00252587	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00090564	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084521	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131424	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00972072	mg/L	Pass

1,2,3-Trichloropropane

Current		Calculations								*MDLV used - 164176-32* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000470	0.001	0.000470	0.0009	mg/L	1.9	0.00223	0.0042618	7	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125636	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00129903	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129879	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01178936	mg/L	Pass

1,2,4-Trichlorobenzene

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001753	0.005	0.001753	0.001	mg/L	.6	0.00247	0.0027105	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095090	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112756	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176375	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00339246	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00255013	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00092583	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089925	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00133988	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933902	mg/L	Pass

1,2,4-Trimethylbenzene

Current

MDL	RL
0.000417	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000417	0.0008	mg/L	1.9	0.00203	0.0030083	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103378	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066167	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00085800	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135212	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00074312	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083037	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131779	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00944963	mg/L	Pass

1,2-Dibromo-3-Chloropropane

Current

MDL	RL
0.000671	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000671	0.0035	mg/L	5.2	0.00203	0.0037307	9	N

MDLV used - 167871-27 6 value(s) Not Rec
MDLV: Spike High

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00398264	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00325920	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104669	mg/L	Pass

1,2-Dichlorobenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0009	mg/L	2.1	0.00268	0.0032182	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098373	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00237706	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00260851	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078182	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087726	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00136168	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979185	mg/L	Pass

1,2-Dichloroethane

Current

MDL	RL
0.000372	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000372	0.0008	mg/L	2.2	0.00206	0.0030825	9	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00071463	mg/L	Pass

Analyte

860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095815	mg/L	Pass	
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096722	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125357	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00166216	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00070097	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082210	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128574	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01024616	mg/L	Pass	

1,2-Dichloropropane

Current	
MDL	RL
0.000556	0.005

Calculations							
Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000556	0.0008	mg/L	1.4	0.00216	0.0025638	13	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00088996	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00294732	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078651	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00080784	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109791	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00159336	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00451538	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303069	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00063520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00963430	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00099544	mg/L	Pass

1,3,5-Trimethylbenzene

Current	
MDL	RL
0.000411	0.001

Calculations							
Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00205	0.0030456	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00101225	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068167	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090647	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138917	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083663	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130469	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956374	mg/L	Pass

1,3-Dichlorobenzene

Current	
MDL	RL
0.000413	0.001

Calculations							
Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000413	0.0008	mg/L	1.9	0.00215	0.0030498	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099676	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082470	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107486	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00091261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00967782	mg/L	Pass

Analyte

1,3-Dichloropropane

Current MDL	Current RL
0.000514	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000514	0.0008	mg/L	1.6	0.00230	0.0029529	11	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091436	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087875	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103336	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161630	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00409422	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00295601	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00080258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01053117	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00116153	mg/L	Pass

1,3-Dichloropropene, Total

Current MDL	Current RL
0.001067	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001067	0.002	mg/L	1.9	0.00308	0.0056107	11	N

MDLV used - 164176-33 7 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00763	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00557	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01796	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichloro-2-butene, Total

Current MDL	Current RL
0.001350	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001350	0.0016	mg/L	1.2	0.00468	0.0069732	10	N

MDLV used - 164176-31 4 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0033	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00823	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00678	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0227	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichlorobenzene

Current MDL	Current RL
0.000449	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000449	0.0005	mg/L	1.1	0.00223	0.0030765	8	N

MDLV used - 145268-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00064020	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00105345	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00129973	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176116	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094219	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00150197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979274	mg/L	Pass

1,4-Dioxane

Current

MDL	RL
0.02493	0.10

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02493	0.02	mg/L	.8	0.05947	0.1066682	8	N

MDLV used - 164176-33 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.02645311	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.14618672	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01030751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.29286498	mg/L	Pass

1-Chlorohexane

Current

MDL	RL
0.001423	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001423	0.001	mg/L	.7	0.00240	0.0024417	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00113949	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00082156	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00130808	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00418429	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00306256	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00094336	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097727	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00154076	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00864526	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00146387	mg/L	Pass

1-Methylnaphthalene

Current

MDL	RL
0.003459	0.010

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003459	0.0035	mg/L	1	0.00310	0.0041060	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00082988	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00548120	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00488189	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131183	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094935	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00181902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01270178	mg/L	Pass

Analyte

2,2-Dichloropropane

Current MDL	Current RL
0.000679	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000679	0.0008	mg/L	1.2	0.00222	0.0029598	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079316	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00073259	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096638	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00141971	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384192	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00284216	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00053066	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059836	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110238	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01058952	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00105881	mg/L	Pass

2-Butanone (MEK)

Current MDL	Current RL
0.008276	0.050

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.008276	0.005	mg/L	.6	0.01615	0.0220112	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01761484	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439115	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00467998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00695984	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02059954	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01405702	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00387119	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00471079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00825722	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.07644846	mg/L	Pass

2-Chloro-1,3-butadiene

Current MDL	Current RL
0.000598	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000598	0.0008	mg/L	1.3	0.00221	0.0029238	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067202	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071662	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096617	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144563	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00275596	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00070211	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00104419	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01047348	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111526	mg/L	Pass

2-Chloroethyl vinyl ether

Current MDL	Current RL
0.000753	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000753	0.0009	mg/L	1.2	0.00220	0.0034354	10	N

MDLV used - 164176-32 3 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089959	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119132	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390535	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00280099	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110887	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01129802	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087441	mg/L	Pass

2-Chlorotoluene

Current		Calculations								
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 164176-31* All values recover MDLV: Pass
0.000459	0.002	0.000459	0.0008	mg/L	1.7	0.00202	0.0027699	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00076775	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098853	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149404	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079296	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00142919	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00937612	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00127751	mg/L	Pass

2-Ethylhexyl acrylate

Current		Calculations								
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 148281-13* 2 value(s) Not Rec MDLV: Spike High
0.000659	0.005	0.000659	0.0025	mg/L	3.8	0.00282	0.0026078	5	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00411950	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00511520	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00490382	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

2-Hexanone

Current		Calculations								
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 151546-31* All values recover MDLV: Pass
0.005	0.05	0.005	0.005	mg/L	1	0.01487	0.0205318	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00482613	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00501936	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00696407	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02014698	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01528703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00338264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00365154	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00710370	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06746159	mg/L	Pass

2-Methyl-2-propanol

Current		Calculations								
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 164176-31* All values recover MDLV: Pass
0.00500	0.05	0.00500	0.008	mg/L	1.6	0.03137	0.0487240	11	N	

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00730842	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.01409917	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01502467	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01925501	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04187562	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02773100	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00546520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00844835	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.02018102	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.17483795	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.01085593	mg/L	Pass

2-Methylnaphthalene

Current

MDL	RL
0.003295	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003295	0.0035	mg/L	1.1	0.00305	0.0039048	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00084847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00575662	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00515628	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00126022	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00095914	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00168751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01184410	mg/L	Pass

2-Methyltetrahydrofuran

Current

MDL	RL
0.001661	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001661	0.0025	mg/L	1.5	0.00336	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00336297	mg/L	Pass

2-Methyltetrahydropyran

Current

MDL	RL
0.001744	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001744	0.0025	mg/L	1.4	0.00357	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00357459	mg/L	Pass

2-Nitropropane

Current

MDL	RL
0.00336	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00336	0.002	mg/L	.6	0.00489	0.0077639	8	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00214481	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00300052	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00528103	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00544925	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02329243	mg/L	Pass

Analyte

3-Chloro-1-propene

Current MDL	Current RL
0.000597	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000597	0.0009	mg/L	1.5	0.00245	0.0033991	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00078094	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00124830	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00342364	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00231804	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00104337	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00186140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01174927	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00125077	mg/L	Pass

4-Chlorotoluene

Current MDL	Current RL
0.000386	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000386	0.0008	mg/L	2.1	0.00206	0.0030255	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067091	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078971	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135907	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00953221	mg/L	Pass

4-Ethyltoluene

Current MDL	Current RL
0.000454	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000454	0.0008	mg/L	1.8	0.00202	0.0030462	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102612	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00059929	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084558	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132462	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00076471	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083003	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130630	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954256	mg/L	Pass

4-Isopropyltoluene

Current MDL	Current RL
0.000676	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000676	0.0009	mg/L	1.3	0.00224	0.0031772	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100659	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088809	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145776	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075768	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084300	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132292	mg/L	Pass

Analyte											
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00942450	mg/L	Pass	

4-Methyl-2-pentanone (MIBK)

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.005	0.05	0.005	0.005	mg/L	1	0.01442	0.0190137	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00469187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00560137	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00747883	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02031642	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00332905	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00376367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00690938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06283103	mg/L	Pass

Acetone

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.003067	0.10	0.003067	0.004	mg/L	1.3	0.01464	0.0186501	12	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01590554	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00293717	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00627243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00655566	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00881079	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02683163	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02202806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00236319	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00396245	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00751693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06838691	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00411491	mg/L	Pass

Acetonitrile

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.014594	0.10	0.014594	0.01	mg/L	.7	0.02742	0.0369061	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00692116	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01523408	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01610920	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02604888	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00853171	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01043374	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01861401	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.11749273	mg/L	Pass

Acrolein

Current		Calculations								*MDLV used - 164176-33* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.011116	0.05	0.011116	0.005	mg/L	.4	0.01315	0.0202555	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00457059	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00625347	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02082932	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490902	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00811743	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06369659	mg/L	Pass	

Acrylonitrile

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 151546-31* All values recover MDLV: Spike Low		
0.014319	0.05	0.014319	0.01	mg/L	.7	0.03015	0.0397744	9	N			

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00737708	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01240755	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01619679	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04156491	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03010491	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00722274	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00841693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01642013	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13169377	mg/L	Pass

Benzene

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 145268-9* All values recovere MDLV: Pass		
0.0004596	0.001	0.000459	0.0008	mg/L	1.7	0.00186	0.0028422	10	N			

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00077626	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00089680	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090682	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114298	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157106	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00060179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081186	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131922	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00991103	mg/L	Pass

Benzyl chloride

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 167871-27* 2 value(s) Not Rec MDLV: Pass		
0.002257	0.005	0.002257	0.0035	mg/L	1.6	0.00270	0.0029276	10	N			

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00292993	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00066539	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00116687	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308741	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00229781	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00348447	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01009316	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00335780	mg/L	Pass

Analyte

Bromobenzene

Current MDL	Current RL
0.000486	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000486	0.0008	mg/L	1.6	0.00213	0.0030880	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007855	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0010937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0015611	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0007295	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008398	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0013786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0097394	mg/L	Pass

Bromoform

Current MDL	Current RL
0.000633	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000633	0.0008	mg/L	1.3	0.00275	0.0022829	13	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.0022935	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.0022425	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0006921	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007859	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0009838	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0013147	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0036531	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0025467	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0027457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0027478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0031816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0096563	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0029988	mg/L	Pass

Bromomethane

Current MDL	Current RL
0.001419	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001419	0.001	mg/L	.7	0.00229	0.0025409	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0011465	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0012628	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0034799	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0018938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0008446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0012324	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0014773	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0091981	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0014425	mg/L	Pass

Butadiene

Current MDL	Current RL
0.000568	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000568	0.0008	mg/L	1.4	0.00178	0.0029250	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0016180	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068750	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00074724	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119409	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00032706	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00039736	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00037040	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00893917	mg/L	Pass	

Carbon disulfide

Current

MDL	RL
0.00165	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00165	0.001	mg/L	.6	0.00228	0.0028824	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142859	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00338541	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00244081	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073848	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075515	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00949283	mg/L	Pass

Carbon tetrachloride

Current

MDL	RL
0.000896	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000896	0.0009	mg/L	1	0.00223	0.0024326	12	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095292	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00317069	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00097065	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109751	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151582	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00386651	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00245770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087037	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00144282	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00917345	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00132602	mg/L	Pass

Chlorobenzene

Current

MDL	RL
0.000455	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000455	0.0008	mg/L	1.8	0.00238	0.0030112	8	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092527	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099869	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00207768	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00240798	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073972	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085969	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141014	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00968867	mg/L	Pass

Analyte

Chlorobromomethane

Current MDL	Current RL
0.000577	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000577	0.0008	mg/L	1.4	0.00218	0.0034315	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078255	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075683	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00108846	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00162954	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058185	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067720	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130921	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01062906	mg/L	Pass

Chlorodibromomethane

Current MDL	Current RL
0.000547	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000547	0.0008	mg/L	1.5	0.00272	0.0024038	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00073000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00074574	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105268	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161656	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380017	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00264348	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00231231	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00241149	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00269421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938967	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00262440	mg/L	Pass

Chloroethane

Current MDL	Current RL
0.001984	0.010

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001984	0.001	mg/L	.5	0.00261	0.0035417	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00182322	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00136009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118247	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00290067	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061487	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00095248	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01120236	mg/L	Pass

Chloroform

Current MDL	Current RL
0.000464	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000464	0.0008	mg/L	1.7	0.00189	0.0029759	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00069775	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083989	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092785	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112281	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152060	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066100	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00072103	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00127735	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01032717	mg/L	Pass

Chloromethane

Current		Calculations							*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.002035	0.01	0.002035	0.001	mg/L	.5	0.00182	0.0021406	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00053972	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00119765	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151237	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00237590	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046398	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086851	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00072372	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00688968	mg/L	Pass

cis-1,2-Dichloroethene

Current		Calculations							*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000457	0.001	0.000457	0.0008	mg/L	1.8	0.00211	0.0034396	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00084151	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086088	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075782	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105883	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00150646	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065293	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00074994	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134017	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01125437	mg/L	Pass

cis-1,3-Dichloropropene

Current		Calculations							*MDLV used - 151546-31* 1 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001067	0.005	0.001067	0.001	mg/L	.9	0.00227	0.0028025	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086979	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140283	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00389462	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00279781	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00052378	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098247	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00903065	mg/L	Pass

cis-1,4-Dichloro-2-butene

Current		Calculations							*MDLV used - 164176-33* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001566	0.005	0.001566	0.001	mg/L	.6	0.00295	0.0034178	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274391	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306403	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00330181	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00441788	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00364224	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00091773	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01144030	mg/L	Pass	

Cyclohexane

Current

MDL	RL
0.001286	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001286	0.001	mg/L	.8	0.00211	0.0027840	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088265	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00090833	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00307302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00093743	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00160344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00920470	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00145100	mg/L	Pass

Cyclohexanone

Current

MDL	RL
0.02779	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02779	0.045	mg/L	1.6	0.16940	0.2883721	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.05120515	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.05918315	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.08482793	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.03653667	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.04215275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.09017621	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.82174935	mg/L	Pass

Dibromomethane

Current

MDL	RL
0.000357	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000357	0.0008	mg/L	2.2	0.00212	0.0033508	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00076383	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109922	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158137	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00049012	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060480	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01037542	mg/L	Pass

Dichlorobromomethane

Current

MDL	RL
0.000552	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000552	0.0008	mg/L	1.4	0.00262	0.0029118	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079325	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087693	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112861	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00163098	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00206757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00221431	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00264367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00964180	mg/L	Pass

Dichlorodifluoromethane

Current

MDL	RL
0.000785	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000785	0.0009	mg/L	1.1	0.00164	0.0027567	8	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00045135	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00059063	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00101873	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00073796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067947	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00074478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00845038	mg/L	Pass

Dichlorofluoromethane

Current

MDL	RL
0.000500	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00199	0.0027173	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00074012	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088494	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00139318	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00304104	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00133261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067957	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00093827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00100074	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00994968	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087253	mg/L	Pass

Dicyclopentadiene

Current

MDL	RL
0.001210	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001210	0.001	mg/L	.8	0.00245	0.0027287	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112858	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158775	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00425319	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00293812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073107	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082752	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131749	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956492	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00124780	mg/L	Pass	

Epichlorohydrin

Current

MDL	RL
0.007521	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.007521	0.0080065	mg/L	1.1	0.02216	0.0428636	9	N

MDLV used - 164176-31 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00857031	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01092181	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01480899	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00654950	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01350427	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13561546	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00949390	mg/L	Pass

Ethyl acetate

Current

MDL	RL
0.000621	0.002

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000621	0.0016	mg/L	2.6	0.00536	0.0088837	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00211536	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00199127	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00252606	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00287852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00137528	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00168847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00302896	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02730530	mg/L	Pass

Ethyl acrylate

Current

MDL	RL
0.001233	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001233	0.001	mg/L	.8	0.00162	0.0024153	14	N

MDLV used - 164176-33 6 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00156081	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00276832	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00064937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112194	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00355518	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00250446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00169133	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00890357	mg/L	Pass

Ethyl ether

Current

MDL	RL
0.0100	0.1

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.0100	0.009	mg/L	.9	0.00210	0.0035049	8	N

MDLV used - 168383-21 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00039786	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105119	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142801	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00039820	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059312	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128583	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01072419	mg/L	Pass	
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00094241	mg/L	Pass	

Ethyl methacrylate

Current

MDL	RL
0.001118	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001118	0.001	mg/L	.9	0.00241	0.0034518	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103856	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135413	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00374947	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00257015	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129308	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104441	mg/L	Pass

Ethylbenzene

Current

MDL	RL
0.000385	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000385	0.0005	mg/L	1.3	0.00167	0.0025933	11	N

MDLV used - 145268-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00059798	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00082103	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098429	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072222	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144476	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054228	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075759	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135028	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00945268	mg/L	Pass

Ethylene Dibromide

Current

MDL	RL
0.000999	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000999	0.001	mg/L	1	0.00264	0.0032615	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086463	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153296	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00411075	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303418	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058785	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073237	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118357	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01075417	mg/L	Pass

Analyte

Ethylene oxide

Current MDL	Current RL
0.02062	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02062	0.01	mg/L	.5	0.02956	0.0418401	8	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01484273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01744123	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03757660	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00987001	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01020126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01686713	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12970540	mg/L	Pass

Hexachlorobutadiene

Current MDL	Current RL
0.000627	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000627	0.0005	mg/L	.8	0.00236	0.0022250	13	N

MDLV used - 145268-8 1 value(s) Not Reco
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00279933	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00306937	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00316368	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079957	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00209291	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00346781	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00256500	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086849	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00877237	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00098395	mg/L	Pass

Hexane

Current MDL	Current RL
0.000517	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000517	0.0009	mg/L	1.7	0.00193	0.0026567	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00062902	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308286	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00217159	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061744	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068136	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00101033	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00906897	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00103357	mg/L	Pass

Iodomethane

Current MDL	Current RL
0.005	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.0035	mg/L	.7	0.00223	0.0030099	8	N

MDLV used - 167871-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00110090	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153241	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00435814	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00048675	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060184	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00090933	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00891733	mg/L	Pass

Isobutyl alcohol

Current MDL	Current RL
0.01710	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.01710	0.02	mg/L	1.2	0.05861	0.1141690	10	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.02546900	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.03169368	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03921284	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01959036	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.01459879	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01569549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03730709	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.38185812	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.02076107	mg/L	Pass

Isooctane

Current MDL	Current RL
0.000500	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00198	0.0025313	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00063961	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00054601	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073938	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00123101	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00343661	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066173	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116135	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00909556	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00107348	mg/L	Pass

Isopropyl acetate

Current MDL	Current RL
0.000576	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000576	0.0009	mg/L	1.6	0.00202	0.0012230	5	N

MDLV used - 148281-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00079030	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00226821	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00362490	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00261911	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00080536	mg/L	Pass

Isopropyl alcohol

Current MDL	Current RL
0.005226	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005226	0.009	mg/L	1.7	0.02434	0.0360437	7	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01308404	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01684988	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00803266	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01075981	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01666624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.10502733	mg/L	Pass

Isopropyl ether

Current		Calculations									
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 164176-31* All values recover MDLV: Spike Low	
0.000838	0.005	0.000838	0.0008	mg/L	1	0.00239	0.0030178	11	N		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00081552	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00085847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111510	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151160	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00432696	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00290163	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068822	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117778	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01086043	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00121437	mg/L	Pass

Isopropylbenzene

Current		Calculations									
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 164176-31* All values recover MDLV: Pass	
0.000592	0.001	0.000592	0.0008	mg/L	1.4	0.00200	0.0029715	8	N		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098439	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068668	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089524	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137479	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00069692	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00078030	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933295	mg/L	Pass

Methacrylonitrile

Current		Calculations									
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 164176-31* All values recover MDLV: Pass	
0.002715	0.01	0.002715	0.008	mg/L	2.9	0.02484	0.0408315	8	N		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00851064	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00901448	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01121366	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01523796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00726807	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00794094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01393187	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12564773	mg/L	Pass

Analyte

Methyl acetate

Current MDL	Current RL
0.004008	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004008	0.002	mg/L	.5	0.00618	0.0080266	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00137873	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00235980	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00315260	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00870708	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00746344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131311	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00158637	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00333452	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02637140	mg/L	Pass

Methyl acrylate

Current MDL	Current RL
0.000660	0.1

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000660	0.0009	mg/L	1.4	0.00167	0.0013388	5	N

MDLV used - 148281-8 1 value(s) Not Reco
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00065983	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00203010	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00332222	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00237826	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

Methyl methacrylate

Current MDL	Current RL
0.002250	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002250	0.002	mg/L	.9	0.00545	0.0070374	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00187146	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00211656	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00291897	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00787111	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00583680	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00118083	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00139473	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00260349	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02325705	mg/L	Pass

Methyl tert-butyl ether

Current MDL	Current RL
0.001391	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001391	0.001	mg/L	.7	0.00280	0.0030057	11	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00282066	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00071590	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00124914	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00172437	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00388452	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00371540	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00268876	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065509	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00076478	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00146530	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01115994	mg/L	Pass

Methylcyclohexane

Current MDL	Current RL
0.000608	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000608	0.0009	mg/L	1.5	0.00221	0.0030579	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073173	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00113590	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00366409	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00249833	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062956	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073177	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130482	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01039496	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00109363	mg/L	Pass

Methylene Chloride

Current MDL	Current RL
0.001726	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001726	0.001	mg/L	.6	0.00315	0.0030328	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00135563	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00359817	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00382051	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00407302	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00305446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083281	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01026064	mg/L	Pass

m-Xylene & p-Xylene

Current MDL	Current RL
0.001240	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001240	0.001	mg/L	.8	0.00257	0.0025547	11	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00349531	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00095385	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140781	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00250210	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390231	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00269362	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081449	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950225	mg/L	Pass

Naphthalene

Current MDL	Current RL
0.001353	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001353	0.001	mg/L	.7	0.00268	0.0033610	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092989	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00116367	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00167148	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00333347	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00242945	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00091254	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086029	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00148573	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01137720	mg/L	Pass	

n-Butanol

Current

MDL	RL
0.02489	.150

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02489	0.0248	mg/L	1	0.07347	0.1297348	9	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.02376396	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03315522	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.09167371	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.07206094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03206644	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.40859964	mg/L	Pass

n-Butyl acetate

Current

MDL	RL
0.001568	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001568	0.001	mg/L	.6	0.00279	0.0037035	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00107009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086170	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112225	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00433152	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00286942	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00064636	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137153	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01211954	mg/L	Pass

n-Butyl acrylate

Current

MDL	RL
0.001382	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001382	0.0009	mg/L	.7	0.00161	0.0010861	5	N

MDLV used - 148281-8 All values recovere
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00056091	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00172500	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00313136	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00208698	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00057894	mg/L	Pass

n-Butylbenzene

Current

MDL	RL
0.000510	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000510	0.0008	mg/L	1.6	0.00202	0.0029011	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096188	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066448	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088136	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143202	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079644	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088466	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137184	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00916909	mg/L	Pass	

N-Propylbenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0008	mg/L	1.9	0.00201	0.0029080	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067154	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089920	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00077226	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083676	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135572	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00918135	mg/L	Pass

o-Xylene

Current

MDL	RL
0.000502	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000502	0.0008	mg/L	1.6	0.00176	0.0027361	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00081238	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095221	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067927	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096541	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137729	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054673	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071965	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00079964	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130540	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00951869	mg/L	Pass

Propene

Current

MDL	RL
0.004388	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004388	0.0035	mg/L	.8	0.00029	0.0004254	8	N

MDLV used - 167871-31 5 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00065329	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102048	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00071618	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

Propionitrile

Current MDL	Current RL
0.003341	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003341	0.008	mg/L	2.4	0.02511	0.0442251	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00916343	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00998521	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01127527	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01536442	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00631315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00684545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01462402	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.14276510	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00968547	mg/L	Pass

sec-Butylbenzene

Current MDL	Current RL
0.000468	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000468	0.0008	mg/L	1.7	0.00206	0.0030331	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00104188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00065426	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078304	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085704	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134767	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954232	mg/L	Pass

Styrene

Current MDL	Current RL
0.000619	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000619	0.0008	mg/L	1.3	0.00200	0.0030626	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091703	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071642	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089678	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132244	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067741	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075225	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956411	mg/L	Pass

Tert-amyl methyl ether

Current MDL	Current RL
0.000475	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00210	0.0031504	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00083618	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00092273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111624	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156999	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062758	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120353	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00986399	mg/L	Pass

Tert-butyl ethyl ether

Current MDL	Current RL
0.000988	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000988	0.001	mg/L	1	0.00261	0.0032833	10	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095047	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00118533	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161955	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00406348	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00278298	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085750	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135761	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01147628	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00117387	mg/L	Pass

tert-Butylbenzene

Current MDL	Current RL
0.000442	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000442	0.0008	mg/L	1.8	0.00206	0.0030183	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102862	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072912	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090824	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00148250	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073808	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082436	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132714	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950763	mg/L	Pass

Tetrachloroethene

Current MDL	Current RL
0.000655	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000655	0.0009	mg/L	1.4	0.00216	0.0031509	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00085543	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00093753	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00154235	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058657	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075271	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00927323	mg/L	Pass

Tetrahydrofuran

Current MDL	Current RL
0.001833	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001833	0.0018	mg/L	1	0.00388	0.0077239	11	N

MDLV used - 164176-32 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00227602	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00536388	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00232053	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00248562	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00349415	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00889365	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	-0.0032072	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	-0.0026485	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	-0.0009132	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02464721	mg/L	Pass

Tetrahydropyran

Current

MDL	RL
0.001789	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001789	0.0025	mg/L	1.4	0.00263	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00263037	mg/L	Pass

Toluene

Current

MDL	RL
0.000475	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00182	0.0027471	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092591	mg/L	Pass
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00094083	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00078348	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102741	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156337	mg/L	Pass
860-72581-A-1	MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00052433	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068986	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081732	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135245	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959175	mg/L	Pass

Total BTEX

Current

MDL	RL
0.000533	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000533	0.005	mg/L	9.4	0.00377	NA	1	N

MDLV used - 151546-31 All values recover
MDLV: Spike High

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003774	mg/L	Pass

trans-1,2-Dichloroethene

Current

MDL	RL
0.000368	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000368	0.0008	mg/L	2.2	0.00181	0.0031242	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00040499	mg/L	Pass
860-64667-A-1	MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083147	mg/L	Pass
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055966	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00069909	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100165	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145685	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058917	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067063	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132323	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01065980	mg/L	Pass

trans-1,3-Dichloropropene

Current

MDL	RL
0.001267	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001267	0.001	mg/L	.8	0.00214	0.0028277	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098397	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00373827	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00277403	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00055004	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00097113	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00892664	mg/L	Pass

trans-1,4-Dichloro-2-butene

Current		Calculations							*MDLV used - 164176-33* 3 value(s) Not Rec
		Ver	Spike		Spike		Std	Edit	MDLV: Spike Low
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.001350	0.01	0.001350	0.001	mg/L	.7	0.00235	0.0036402	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084491	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380893	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00314096	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00086829	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01134301	mg/L	Pass

Trichloroethene

Current		Calculations							*MDLV used - 145268-10* All values recover
		Ver	Spike		Spike		Std	Edit	MDLV: Spike Low
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.00150	0.005	0.00150	0.001	mg/L	.7	0.00258	0.0024011	12	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00161799	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00202625	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00438664	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088671	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097231	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145593	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00379353	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261075	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00106197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00117172	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00171215	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933979	mg/L	Pass

Trichlorofluoromethane

Current		Calculations							*MDLV used - 164176-31* All values recover
		Ver	Spike		Spike		Std	Edit	MDLV: Pass
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.000560	0.001	0.000560	0.0008	mg/L	1.4	0.00183	0.0028404	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00083421	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097014	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132952	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066435	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00096126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00096807	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938647	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00070395	mg/L	Pass

Trihalomethanes, Total

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike High
0.000552	0.001	0.000552	0.0032	mg/L	5.8	0.01065	0.0100838	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003143	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.003254	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.004284	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00608	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01095	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.007791	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.008091	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00979	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.03899	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00929	mg/L	Pass

Vinyl acetate

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.002139	0.02	0.002139	0.004	mg/L	1.9	0.01132	0.0141611	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439392	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00377000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00513735	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00614574	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01975543	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01407338	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00342209	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00437903	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00575597	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.05121953	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00650542	mg/L	Pass

Vinyl chloride

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000428	0.002	0.000428	0.0008	mg/L	1.9	0.00175	0.0027656	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055607	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090990	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109164	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140198	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00102169	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057510	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088243	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959150	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00055790	mg/L	Pass

Analyte

Xylenes, Total

Current		Calculations									*MDLV used - 164176-32* All values recover
		Ver	Spike		Spike			Std		Edit	MDLV: Spike High
MDL	RL	MDL	amount	Units	/ MDL	Mean		Dev	Reps	Limts?	
0.000551	0.001	0.000551	0.0018	mg/L	3.3	0.00481		0.0053508	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00686	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.000952	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.000965	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00519	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00772	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00533	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00263	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01902	mg/L	Pass

Detected? Pass = result was detected ; Fail = result < = 0 . If MDLV is < MDL , verify Detection or S/N ratio
MDLV: Pass = meets Spike/MDL ratio , Spike High =Spike/MDL > ratio , Spike Low = Spike < MDL
Spike/MDL ratio = 3.00

Appendix A

Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Job No. 860-80417-1 and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ☑ R1- Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  a. Items consistent with NELAC Chapter 5,
  b. dilution factors,
  c. preparation methods,
  d. cleanup methods, and
  e. if required for the project, tentatively identified coumpounds (TICs).
- ☑ R4 - Surrogate recovery data including:
  a. Calculated recovery (%R), and
  b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  a. LCS spiking amounts,
  b. Calculated %R for each analyte, and
  c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a. Samples associated with the MS/MSD clearly identified,
  b. MS/MSD spiking amounts,
  c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d. Calculated %Rs and relative percent differences (RPDs), and
  e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  a. The amount of analyte measured in the duplicate,
  b. The calculated RPD, and
  c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ☑ R10 - Other problems or anomalies.
- ☐ Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: ☐ This laboratory meets an exception under 30 TAC §25.6 and was last inspected by ☐ TCEQ or ☐ _____ on __/__/__. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Printed)	Date
Travis Richter		Project Manager	08/20/2024

Laboratory Data Package Cover Page - Page 2 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/20/2024
Project Name: HS24080439	Laboratory Job Number: 860-80417-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				
		Were all departures from standard conditions described in an exception report?	✓				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✓				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		Were calculations checked by a peer or supervisor?	✓				
		Were all analyte identifications checked by a peer or supervisor?	✓				
		Were sample detection limits reported for all analytes not detected?	✓				
		Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			✓		
		If required for the project, are TICs reported?			✓		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✓				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✓				
		Were blanks analyzed at the appropriate frequency?	✓				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		Were blank concentrations < MQL?		✓			1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✓				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✓				
		Were LCSs analyzed at the required frequency?	✓				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✓				
		Was the LCSD RPD within QC limits?	✓				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✓				
		Were MS/MSD analyzed at the appropriate frequency?	✓				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Were MS/MSD RPDs within laboratory QC limits?			✓		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			✓		
		Were analytical duplicates analyzed at the appropriate frequency?			✓		
		Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✓				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✓				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	✓				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✓				

Laboratory Data Package Cover Page - Page 3 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/20/2024
Project Name: HS24080439	Laboratory Job Number: 860-80417-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		Were percent RSDs or correlation coefficient criteria met?	✓				
		Was the number of standards recommended in the method used for all analytes?	✓				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		Are ICAL data available for all instruments used?	✓				
		Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	✓				
		Were percent differences for each analyte within the method-required QC limits?	✓				
		Was the ICAL curve verified for each analyte?	✓				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			✓		
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?	✓				
		Were ion abundance data within the method-required QC limits?	✓				
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			✓		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?			✓		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			✓		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✓				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✓				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✓				
		Is documentation of the analyst's competency up-to-date and on file?	✓				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	✓				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period;
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Cover Page - Page 4 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/20/2024
Project Name: HS24080439	Laboratory Job Number: 860-80417-1
Reviewer Name: Travis Richter	

ER#[1]	Description
1	Method 8260C: The method blank for analytical batch 860-182121 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Job Narrative
860-80417-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/13/2024 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

GC/MS VOA
Method 8260C: The method blank for analytical batch 860-182121 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Client Sample ID: HS24080439-01 — Lab Sample ID: 860-80417-1

No Detections.

Client Sample ID: HS24080439-02 — Lab Sample ID: 860-80417-2

No Detections.

Client Sample ID: HS24080439-03 — Lab Sample ID: 860-80417-3

No Detections.

Client Sample ID: HS24080439-04 — Lab Sample ID: 860-80417-4

No Detections.

Client Sample ID: HS24080439-05 — Lab Sample ID: 860-80417-5

No Detections.

Client Sample ID: HS24080439-06 — Lab Sample ID: 860-80417-6

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00189		0.00100	0.000460	mg/L	1		8260C	Total/NA
Toluene	0.00723		0.00100	0.000475	mg/L	1		8260C	Total/NA
Ethylbenzene	0.0137		0.00100	0.000385	mg/L	1		8260C	Total/NA
Xylenes, Total	0.0202		0.0100	0.00124	mg/L	1		8260C	Total/NA
o-Xylene	0.00944		0.00100	0.000502	mg/L	1		8260C	Total/NA
m,p-Xylenes	0.0108		0.0100	0.00124	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080439-07 — Lab Sample ID: 860-80417-7

No Detections.

Client Sample ID: HS24080439-08 — Lab Sample ID: 860-80417-8

No Detections.

Client Sample ID: HS24080439-09 — Lab Sample ID: 860-80417-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HS24080439-01

Lab Sample ID: 860-80417-1

Date Collected: 08/05/24 08:35

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 09:29	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 09:29	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 09:29	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 09:29	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 09:29	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 09:29	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 09:29	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 09:29	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 09:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 144*		*08/17/24 09:29*	*1*
4-Bromofluorobenzene (Surr)	*94*		*74 - 124*		*08/17/24 09:29*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*08/17/24 09:29*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/17/24 09:29*	*1*

Client Sample ID: HS24080439-02

Lab Sample ID: 860-80417-2

Date Collected: 08/05/24 09:40

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 21:41	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 21:41	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 21:41	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 21:41	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 21:41	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 21:41	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 21:41	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 21:41	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*		*08/17/24 21:41*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/17/24 21:41*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 131*		*08/17/24 21:41*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/17/24 21:41*	*1*

Client Sample ID: HS24080439-03

Lab Sample ID: 860-80417-3

Date Collected: 08/05/24 10:35

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 22:02	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 22:02	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 22:02	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 22:02	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 22:02	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 22:02	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 22:02	1

Client Sample ID: HS24080439-03

Lab Sample ID: 860-80417-3

Date Collected: 08/05/24 10:35

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 22:02	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/17/24 22:02*	*1*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*		*08/17/24 22:02*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*08/17/24 22:02*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 22:02*	*1*

Client Sample ID: HS24080439-04

Lab Sample ID: 860-80417-4

Date Collected: 08/05/24 11:15

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 22:22	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 22:22	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 22:22	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 22:22	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 22:22	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 22:22	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 22:22	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 22:22	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/17/24 22:22*	*1*
4-Bromofluorobenzene (Surr)	*94*		*74 - 124*		*08/17/24 22:22*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*08/17/24 22:22*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/17/24 22:22*	*1*

Client Sample ID: HS24080439-05

Lab Sample ID: 860-80417-5

Date Collected: 08/05/24 13:45

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 22:43	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 22:43	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 22:43	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 22:43	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 22:43	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 22:43	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 22:43	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 22:43	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/17/24 22:43*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*08/17/24 22:43*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*08/17/24 22:43*	*1*

Client Sample ID: HS24080439-05

Lab Sample ID: 860-80417-5

Date Collected: 08/05/24 13:45

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 22:43*	*1*

Client Sample ID: HS24080439-06

Lab Sample ID: 860-80417-6

Date Collected: 08/05/24 14:45

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00189**		0.00100	0.000460	mg/L			08/17/24 23:03	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 23:03	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 23:03	1
Toluene	**0.00723**		0.00100	0.000475	mg/L			08/17/24 23:03	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 23:03	1
Ethylbenzene	**0.0137**		0.00100	0.000385	mg/L			08/17/24 23:03	1
Xylenes, Total	**0.0202**		0.0100	0.00124	mg/L			08/17/24 23:03	1
o-Xylene	**0.00944**		0.00100	0.000502	mg/L			08/17/24 23:03	1
m,p-Xylenes	**0.0108**		0.0100	0.00124	mg/L			08/17/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 144*		*08/17/24 23:03*	*1*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*		*08/17/24 23:03*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*08/17/24 23:03*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 23:03*	*1*

Client Sample ID: HS24080439-07

Lab Sample ID: 860-80417-7

Date Collected: 08/05/24 15:30

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 23:24	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 23:24	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 23:24	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 23:24	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 23:24	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 23:24	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 23:24	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 23:24	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/17/24 23:24*	*1*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*		*08/17/24 23:24*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 131*		*08/17/24 23:24*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 23:24*	*1*

Client Sample ID: HS24080439-08

Lab Sample ID: 860-80417-8

Date Collected: 08/05/24 12:35

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 23:44	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 23:44	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/17/24 23:44	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 23:44	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 23:44	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 23:44	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 23:44	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 23:44	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/17/24 23:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*08/17/24 23:44*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*08/17/24 23:44*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/17/24 23:44*	*1*

Client Sample ID: HS24080439-09

Lab Sample ID: 860-80417-9

Date Collected: 08/05/24 13:30

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/18/24 00:05	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/18/24 00:05	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/18/24 00:05	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/18/24 00:05	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/18/24 00:05	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/18/24 00:05	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/18/24 00:05	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/18/24 00:05	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/18/24 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/18/24 00:05*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*08/18/24 00:05*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*08/18/24 00:05*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/18/24 00:05*	*1*

Surrogate Summary

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
860-80417-1	HS24080439-01	103	94	103	101
860-80417-2	HS24080439-02	98	96	98	99
860-80417-3	HS24080439-03	100	93	101	102
860-80417-4	HS24080439-04	99	94	100	101
860-80417-5	HS24080439-05	100	95	103	102
860-80417-6	HS24080439-06	103	91	103	102
860-80417-7	HS24080439-07	99	93	99	102
860-80417-8	HS24080439-08	99	98	101	101
860-80417-9	HS24080439-09	99	95	100	99
LCS 860-182121/3	Lab Control Sample	100	91	99	97
LCS 860-182162/3	Lab Control Sample	97	91	102	97
LCSD 860-182121/4	Lab Control Sample Dup	100	91	98	97
LCSD 860-182162/4	Lab Control Sample Dup	95	89	101	98
MB 860-182121/9	Method Blank	99	96	96	102
MB 860-182162/8	Method Blank	98	93	100	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-182121/9
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 05:03	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 05:03	1
Methylene Chloride	0.002440	J	0.00500	0.00173	mg/L			08/17/24 05:03	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 05:03	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 05:03	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 05:03	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 05:03	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 05:03	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 05:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/17/24 05:03*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/17/24 05:03*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*08/17/24 05:03*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 05:03*	*1*

Lab Sample ID: LCS 860-182121/3
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.05146		mg/L		103	75 - 125
1,2-Dichloroethane	0.0500	0.05079		mg/L		102	72 - 130
Methylene Chloride	0.0500	0.05543		mg/L		111	71 - 125
Toluene	0.0500	0.04902		mg/L		98	75 - 130
Chlorobenzene	0.0500	0.05039		mg/L		101	82 - 135
Ethylbenzene	0.0500	0.04944		mg/L		99	75 - 125
o-Xylene	0.0500	0.04897		mg/L		98	75 - 125
m,p-Xylenes	0.0500	0.04802		mg/L		96	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 860-182121/4
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.05163		mg/L		103	75 - 125	0	25
1,2-Dichloroethane	0.0500	0.05094		mg/L		102	72 - 130	0	25
Methylene Chloride	0.0500	0.05613		mg/L		112	71 - 125	1	25
Toluene	0.0500	0.05008		mg/L		100	75 - 130	2	25
Chlorobenzene	0.0500	0.05080		mg/L		102	82 - 135	1	25
Ethylbenzene	0.0500	0.05027		mg/L		101	75 - 125	2	25
o-Xylene	0.0500	0.04984		mg/L		100	75 - 125	2	25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-182121/4
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes			0.0500	0.04919		mg/L		98	75 - 125	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 860-182162/8
Matrix: Water
Analysis Batch: 182162

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/17/24 17:15	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/17/24 17:15	1
Methylene Chloride	0.002000	J	0.00500	0.00173	mg/L			08/17/24 17:15	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/17/24 17:15	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/17/24 17:15	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/17/24 17:15	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 17:15	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/17/24 17:15	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/17/24 17:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*		*08/17/24 17:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*		*08/17/24 17:15*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*08/17/24 17:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/17/24 17:15*	*1*

Lab Sample ID: LCS 860-182162/3
Matrix: Water
Analysis Batch: 182162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.0500	0.05731		mg/L		115	75 - 125
1,2-Dichloroethane			0.0500	0.05260		mg/L		105	72 - 130
Methylene Chloride			0.0500	0.06241		mg/L		125	71 - 125
Toluene			0.0500	0.05202		mg/L		104	75 - 130
Chlorobenzene			0.0500	0.05379		mg/L		108	82 - 135
Ethylbenzene			0.0500	0.05366		mg/L		107	75 - 125
o-Xylene			0.0500	0.05132		mg/L		103	75 - 125
m,p-Xylenes			0.0500	0.05241		mg/L		105	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCSD 860-182162/4
Matrix: Water
Analysis Batch: 182162

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.05431		mg/L		109	75 - 125	5	25
1,2-Dichloroethane			0.0500	0.05067		mg/L		101	72 - 130	4	25
Methylene Chloride			0.0500	0.05985		mg/L		120	71 - 125	4	25
Toluene			0.0500	0.05102		mg/L		102	75 - 130	2	25
Chlorobenzene			0.0500	0.05125		mg/L		102	82 - 135	5	25
Ethylbenzene			0.0500	0.05087		mg/L		102	75 - 125	5	25
o-Xylene			0.0500	0.04846		mg/L		97	75 - 125	6	25
m,p-Xylenes			0.0500	0.04922		mg/L		98	75 - 125	6	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 144*
4-Bromofluorobenzene (Surr)	*89*		*74 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

QC Association Summary

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

GC/MS VOA

Analysis Batch: 182121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-80417-1	HS24080439-01	Total/NA	Water	8260C	
MB 860-182121/9	Method Blank	Total/NA	Water	8260C	
LCS 860-182121/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-182121/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 182162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-80417-2	HS24080439-02	Total/NA	Water	8260C	
860-80417-3	HS24080439-03	Total/NA	Water	8260C	
860-80417-4	HS24080439-04	Total/NA	Water	8260C	
860-80417-5	HS24080439-05	Total/NA	Water	8260C	
860-80417-6	HS24080439-06	Total/NA	Water	8260C	
860-80417-7	HS24080439-07	Total/NA	Water	8260C	
860-80417-8	HS24080439-08	Total/NA	Water	8260C	
860-80417-9	HS24080439-09	Total/NA	Water	8260C	
MB 860-182162/8	Method Blank	Total/NA	Water	8260C	
LCS 860-182162/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-182162/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Client Sample ID: HS24080439-01
Date Collected: 08/05/24 08:35
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80417-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182121	08/17/24 09:29	KLV	EET HOU

Client Sample ID: HS24080439-02
Date Collected: 08/05/24 09:40
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80417-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/17/24 21:41	NA	EET HOU

Client Sample ID: HS24080439-03
Date Collected: 08/05/24 10:35
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80417-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/17/24 22:02	NA	EET HOU

Client Sample ID: HS24080439-04
Date Collected: 08/05/24 11:15
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80417-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/17/24 22:22	NA	EET HOU

Client Sample ID: HS24080439-05
Date Collected: 08/05/24 13:45
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80417-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/17/24 22:43	NA	EET HOU

Client Sample ID: HS24080439-06
Date Collected: 08/05/24 14:45
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80417-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/17/24 23:03	NA	EET HOU

Client Sample ID: HS24080439-07
Date Collected: 08/05/24 15:30
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80417-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/17/24 23:24	NA	EET HOU

Lab Chronicle

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Client Sample ID: HS24080439-08

Lab Sample ID: 860-80417-8

Date Collected: 08/05/24 12:35

Matrix: Water

Date Received: 08/13/24 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/17/24 23:44	NA	EET HOU

Client Sample ID: HS24080439-09

Lab Sample ID: 860-80417-9

Date Collected: 08/05/24 13:30

Matrix: Water

Date Received: 08/13/24 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182162	08/18/24 00:05	NA	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-25

Method Summary

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
5030C	Purge and Trap	SW846	EET HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: ALS Group USA Corp
Project/Site: HS24080439

Job ID: 860-80417-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-80417-1	HS24080439-01	Water	08/05/24 08:35	08/13/24 15:15
860-80417-2	HS24080439-02	Water	08/05/24 09:40	08/13/24 15:15
860-80417-3	HS24080439-03	Water	08/05/24 10:35	08/13/24 15:15
860-80417-4	HS24080439-04	Water	08/05/24 11:15	08/13/24 15:15
860-80417-5	HS24080439-05	Water	08/05/24 13:45	08/13/24 15:15
860-80417-6	HS24080439-06	Water	08/05/24 14:45	08/13/24 15:15
860-80417-7	HS24080439-07	Water	08/05/24 15:30	08/13/24 15:15
860-80417-8	HS24080439-08	Water	08/05/24 12:35	08/13/24 15:15
860-80417-9	HS24080439-09	Water	08/05/24 13:30	08/13/24 15:15

860-80417 Chain of Custody

450 Stancliff Rd, Ste 210
uston, TX 77099
+1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26643**

SUBCONTRACT TO:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis.Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis.aguilar@alsglobal com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	HS24080439
TSR:	Ron Martino

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	**HS24080439-01**	**WG-1620-MW95A-20240805**	**Groundwater**	**05 Aug 2024 08:35**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
2.	**HS24080439-02**	**WG-1620-MW96B-20240805**	**Groundwater**	**05 Aug 2024 09:40**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
3.	**HS24080439-03**	**WG-1620-MW22BR-20240805**	**Groundwater**	**05 Aug 2024 10:35**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
4.	**HS24080439-04**	**WG-1620-MW22AR-20240805**	**Groundwater**	**05 Aug 2024 11:15**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
5.	**HS24080439-05**	**WG-1620-MW38A-20240805**	**Groundwater**	**05 Aug 2024 13:45**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
6.	**HS24080439-06**	**WG-1620-MW38B-20240805**	**Groundwater**	**05 Aug 2024 14:45**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
7.	**HS24080439-07**	**WG-1620-FB07-20240805**	**Water**	**05 Aug 2024 15:30**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
8.	**HS24080439-08**	**WG-1620-MW36D-20240805**	**Groundwater**	**06 Aug 2024 12:35**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
9.	**HS24080439-09**	**WG-1620-FB08-20240805**	**Water**	**06 Aug 2024 13:30**

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26643**

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
ANALYSIS REQUESTED			DUE DATE
8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024

Comments: Please analyze for the analysis listed above
Send report to the emails shown above
Select list 1,2 Dichloroethane, Benzene, Chlorobenzene, Ethylbenzene, Methylene Chloride, Toluene, Xylenes (Total)
SHORT HOLD

QC Level: TRRP LRC (TRRP checklist only+Level II (normal))

Temp: 4.8 IR ID:HOU-368
C/F+0.2
Corrected Temp: 5.0

Relinquished By _____ Date/Time 8.12.24 1515

Received By Sarah Jones Date/Time 8/13/24 1575

Cooler ID(s) _____ Temperature(s) _____

10450 Stancliff Rd, Ste 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Purchase Order

PO: HS24080439

VENDOR:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis.Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis aguilar@alsglobal com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	26643
TSR:	Ron Martino

	Item	Catalog No	Unit Price	Quantity	Ext Price
1	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD	SUBCONTRACT		9	

Order Total:

Login Sample Receipt Checklist

Client: ALS Group USA Corp

Job Number: 860-80417-1

Login Number: 80417
List Number: 1
Creator: Torres, Sandra

List Source: Eurofins Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 21, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24080441**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 5 sample(s) on Aug 06, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080441**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080441**	

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/21/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080441				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215983, 216100, R474827				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				2
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/21/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080441				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215983, 216100, R474827				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/21/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24080441
Reviewer Name: Luis Aguilar	Prep Batch Number(s): 215983, 216100, R474827

ER#[5]	Description
1	Batch 216100, Semivolatiles by method SW8270, Sample WG-1620-MW04-20240805, Surrogate recoveries were outside of the control limits due to matrix interference.
2	Analyses of 8260 were performed by Eurofins in Stafford, TX. Report and Laboratory Review Checklist are appended.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24080441

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24080441-01	WG-1620-MW03-20240805	GW		05-Aug-2024 09:24	06-Aug-2024 15:59	☐
HS24080441-02	WG-1620-MW04-20240805	GW		05-Aug-2024 10:38	06-Aug-2024 15:59	☐
HS24080441-03	WG-1620-MW09-20240805	GW		05-Aug-2024 12:18	06-Aug-2024 15:59	☐
HS24080441-04	WG-1620-MW21C-20240805	GW		05-Aug-2024 13:30	06-Aug-2024 15:59	☐
HS24080441-05	WG-1620-FE06-20240805	GW		05-Aug-2024 13:40	06-Aug-2024 15:59	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW03-20240805
Collection Date: 05-Aug-2024 09:24

ANALYTICAL REPORT
WorkOrder:HS24080441
Lab ID:HS24080441-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 12-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 14:36
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Aug-2024 14:36
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2024 14:36
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2024 14:36
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 14:36
2-Methylnaphthalene	**0.000047**	J	**0.000019**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2024 14:36
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2024 14:36
Acenaphthene	**0.0044**		**0.000027**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2024 14:36
Anthracene	**0.000073**	J	**0.000014**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2024 14:36
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 14:36
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2024 14:36
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2024 14:36
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2024 14:36
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	16-Aug-2024 14:36
Dibenzofuran	**0.00081**		**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
Fluoranthene	**0.00040**		**0.000010**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
Fluorene	**0.0015**		**0.000030**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2024 14:36
Naphthalene	**0.00031**		**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2024 14:36
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2024 14:36
Phenanthrene	**0.000069**	J	**0.000021**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2024 14:36
Pyrene	**0.00020**		**0.000019**	**0.00010**	**mg/L**	1	16-Aug-2024 14:36
Surr: 2,4,6-Tribromophenol	*105*			*34-129*	*%REC*	*1*	*16-Aug-2024 14:36*
Surr: 2-Fluorobiphenyl	*93.0*			*40-125*	*%REC*	*1*	*16-Aug-2024 14:36*
Surr: 2-Fluorophenol	*87.7*			*20-120*	*%REC*	*1*	*16-Aug-2024 14:36*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*1*	*16-Aug-2024 14:36*
Surr: Nitrobenzene-d5	*106*			*41-120*	*%REC*	*1*	*16-Aug-2024 14:36*
Surr: Phenol-d6	*93.6*			*20-120*	*%REC*	*1*	*16-Aug-2024 14:36*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.000782**	J	**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:26
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW04-20240805
Collection Date: 05-Aug-2024 10:38

ANALYTICAL REPORT
WorkOrder:HS24080441
Lab ID:HS24080441-02
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 12-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 14:59
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Aug-2024 14:59
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2024 14:59
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2024 14:59
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 14:59
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 14:59
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2024 14:59
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2024 14:59
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Aug-2024 14:59
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2024 14:59
Anthracene	**0.00013**		**0.000014**	**0.00010**	**mg/L**	1	16-Aug-2024 14:59
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2024 14:59
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 14:59
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2024 14:59
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2024 14:59
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2024 14:59
Di-n-butyl phthalate	**0.000047**	J	**0.000020**	**0.00020**	**mg/L**	1	16-Aug-2024 14:59
Dibenzofuran	**0.000036**	J	**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 14:59
Fluoranthene	**0.000026**	J	**0.000010**	**0.00010**	**mg/L**	1	16-Aug-2024 14:59
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Aug-2024 14:59
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2024 14:59
Naphthalene	**0.000048**	J	**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 14:59
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2024 14:59
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2024 14:59
Phenanthrene	**0.000056**	J	**0.000021**	**0.00010**	**mg/L**	1	16-Aug-2024 14:59
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2024 14:59
Pyrene	**0.000024**	J	**0.000019**	**0.00010**	**mg/L**	1	16-Aug-2024 14:59
Surr: 2,4,6-Tribromophenol	*107*			*34-129*	*%REC*	*1*	*16-Aug-2024 14:59*
Surr: 2-Fluorobiphenyl	*109*			*40-125*	*%REC*	*1*	*16-Aug-2024 14:59*
Surr: 2-Fluorophenol	*111*			*20-120*	*%REC*	*1*	*16-Aug-2024 14:59*
Surr: 4-Terphenyl-d14	*135*	*S*		*40-135*	*%REC*	*1*	*16-Aug-2024 14:59*
Surr: Nitrobenzene-d5	*90.2*			*41-120*	*%REC*	*1*	*16-Aug-2024 14:59*
Surr: Phenol-d6	*116*			*20-120*	*%REC*	*1*	*16-Aug-2024 14:59*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.00349**		**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:29
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW09-20240805
Collection Date: 05-Aug-2024 12:18

ANALYTICAL REPORT
WorkOrder:HS24080441
Lab ID:HS24080441-03
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 12-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 15:21
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Aug-2024 15:21
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2024 15:21
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2024 15:21
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 15:21
2-Methylnaphthalene	**0.000028**	J	**0.000019**	**0.00010**	**mg/L**	1	16-Aug-2024 15:21
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2024 15:21
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2024 15:21
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Aug-2024 15:21
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2024 15:21
Anthracene	**0.000033**	J	**0.000014**	**0.00010**	**mg/L**	1	16-Aug-2024 15:21
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2024 15:21
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 15:21
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2024 15:21
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2024 15:21
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2024 15:21
Di-n-butyl phthalate	**0.000023**	J	**0.000020**	**0.00020**	**mg/L**	1	16-Aug-2024 15:21
Dibenzofuran	**0.000031**	J	**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 15:21
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	16-Aug-2024 15:21
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Aug-2024 15:21
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2024 15:21
Naphthalene	**0.00015**		**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 15:21
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2024 15:21
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2024 15:21
Phenanthrene	**0.000032**	J	**0.000021**	**0.00010**	**mg/L**	1	16-Aug-2024 15:21
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2024 15:21
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 15:21
Surr: 2,4,6-Tribromophenol	*55.0*			*34-129*	*%REC*	*1*	*16-Aug-2024 15:21*
Surr: 2-Fluorobiphenyl	*71.3*			*40-125*	*%REC*	*1*	*16-Aug-2024 15:21*
Surr: 2-Fluorophenol	*66.2*			*20-120*	*%REC*	*1*	*16-Aug-2024 15:21*
Surr: 4-Terphenyl-d14	*95.9*			*40-135*	*%REC*	*1*	*16-Aug-2024 15:21*
Surr: Nitrobenzene-d5	*85.3*			*41-120*	*%REC*	*1*	*16-Aug-2024 15:21*
Surr: Phenol-d6	*69.0*			*20-120*	*%REC*	*1*	*16-Aug-2024 15:21*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.00112**	J	**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:31
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW21C-20240805
Collection Date: 05-Aug-2024 13:30

ANALYTICAL REPORT
WorkOrder:HS24080441
Lab ID:HS24080441-04
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 12-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 15:43
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Aug-2024 15:43
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2024 15:43
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2024 15:43
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 15:43
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 15:43
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2024 15:43
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2024 15:43
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Aug-2024 15:43
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2024 15:43
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	16-Aug-2024 15:43
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2024 15:43
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 15:43
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2024 15:43
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2024 15:43
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2024 15:43
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	16-Aug-2024 15:43
Dibenzofuran	**0.000028**	J	**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 15:43
Fluoranthene	**0.000013**	J	**0.000010**	**0.00010**	**mg/L**	1	16-Aug-2024 15:43
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Aug-2024 15:43
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2024 15:43
Naphthalene	**0.000036**	J	**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 15:43
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2024 15:43
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2024 15:43
Phenanthrene	**0.000039**	J	**0.000021**	**0.00010**	**mg/L**	1	16-Aug-2024 15:43
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2024 15:43
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 15:43
Surr: 2,4,6-Tribromophenol	*60.8*			*34-129*	*%REC*	*1*	*16-Aug-2024 15:43*
Surr: 2-Fluorobiphenyl	*78.6*			*40-125*	*%REC*	*1*	*16-Aug-2024 15:43*
Surr: 2-Fluorophenol	*69.2*			*20-120*	*%REC*	*1*	*16-Aug-2024 15:43*
Surr: 4-Terphenyl-d14	*95.3*			*40-135*	*%REC*	*1*	*16-Aug-2024 15:43*
Surr: Nitrobenzene-d5	*89.5*			*41-120*	*%REC*	*1*	*16-Aug-2024 15:43*
Surr: Phenol-d6	*74.4*			*20-120*	*%REC*	*1*	*16-Aug-2024 15:43*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.000871**	J	**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:34
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FE06-20240805
Collection Date: 05-Aug-2024 13:40

ANALYTICAL REPORT
WorkOrder:HS24080441
Lab ID:HS24080441-05
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 12-Aug-2024		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 16:07
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Aug-2024 16:07
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2024 16:07
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2024 16:07
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2024 16:07
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 16:07
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2024 16:07
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2024 16:07
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Aug-2024 16:07
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2024 16:07
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	16-Aug-2024 16:07
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2024 16:07
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 16:07
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2024 16:07
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2024 16:07
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2024 16:07
Di-n-butyl phthalate	**0.000041**	J	**0.000020**	**0.00020**	**mg/L**	1	16-Aug-2024 16:07
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2024 16:07
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	16-Aug-2024 16:07
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Aug-2024 16:07
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2024 16:07
Naphthalene	**0.000022**	J	**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2024 16:07
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2024 16:07
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2024 16:07
Phenanthrene	**0.000030**	J	**0.000021**	**0.00010**	**mg/L**	1	16-Aug-2024 16:07
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2024 16:07
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2024 16:07
Surr: 2,4,6-Tribromophenol	*45.6*			*34-129*	*%REC*	*1*	*16-Aug-2024 16:07*
Surr: 2-Fluorobiphenyl	*75.5*			*40-125*	*%REC*	*1*	*16-Aug-2024 16:07*
Surr: 2-Fluorophenol	*59.0*			*20-120*	*%REC*	*1*	*16-Aug-2024 16:07*
Surr: 4-Terphenyl-d14	*93.4*			*40-135*	*%REC*	*1*	*16-Aug-2024 16:07*
Surr: Nitrobenzene-d5	*84.8*			*41-120*	*%REC*	*1*	*16-Aug-2024 16:07*
Surr: Phenol-d6	*66.7*			*20-120*	*%REC*	*1*	*16-Aug-2024 16:07*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 08-Aug-2024		Analyst: MSC
Arsenic	**0.000880**	J	**0.000400**	**0.00200**	**mg/L**	1	14-Aug-2024 01:36
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080441

Batch ID: 215983 **Start Date:** 08 Aug 2024 10:00 **End Date:** 08 Aug 2024 10:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080441-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080441-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080441-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080441-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080441-05		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 216100 **Start Date:** 12 Aug 2024 14:54 **End Date:** 12 Aug 2024 14:54
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080441-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080441-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080441-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080441-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080441-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080441

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215983 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS24080441-01	WG-1620-MW03-20240805	05 Aug 2024 09:24		08 Aug 2024 10:00	14 Aug 2024 01:26	1
HS24080441-02	WG-1620-MW04-20240805	05 Aug 2024 10:38		08 Aug 2024 10:00	14 Aug 2024 01:29	1
HS24080441-03	WG-1620-MW09-20240805	05 Aug 2024 12:18		08 Aug 2024 10:00	14 Aug 2024 01:31	1
HS24080441-04	WG-1620-MW21C-20240805	05 Aug 2024 13:30		08 Aug 2024 10:00	14 Aug 2024 01:34	1
HS24080441-05	WG-1620-FE06-20240805	05 Aug 2024 13:40		08 Aug 2024 10:00	14 Aug 2024 01:36	1
Batch ID: 216100 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS24080441-01	WG-1620-MW03-20240805	05 Aug 2024 09:24		12 Aug 2024 14:54	16 Aug 2024 14:36	1
HS24080441-02	WG-1620-MW04-20240805	05 Aug 2024 10:38		12 Aug 2024 14:54	16 Aug 2024 14:59	1
HS24080441-03	WG-1620-MW09-20240805	05 Aug 2024 12:18		12 Aug 2024 14:54	16 Aug 2024 15:21	1
HS24080441-04	WG-1620-MW21C-20240805	05 Aug 2024 13:30		12 Aug 2024 14:54	16 Aug 2024 15:43	1
HS24080441-05	WG-1620-FE06-20240805	05 Aug 2024 13:40		12 Aug 2024 14:54	16 Aug 2024 16:07	1
Batch ID: R474827 (0)	**Test Name :** SUBCONTRACT ANALYSIS -VOC ANALYSIS				**Matrix:** GW	
HS24080441-01	WG-1620-MW03-20240805	05 Aug 2024 09:24			19 Aug 2024 08:43	1
HS24080441-02	WG-1620-MW04-20240805	05 Aug 2024 10:38			19 Aug 2024 08:43	1
HS24080441-03	WG-1620-MW09-20240805	05 Aug 2024 12:18			19 Aug 2024 08:43	1
HS24080441-04	WG-1620-MW21C-20240805	05 Aug 2024 13:30			19 Aug 2024 08:43	1
HS24080441-05	WG-1620-FE06-20240805	05 Aug 2024 13:40			19 Aug 2024 08:43	1

WorkOrder: HS24080441
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00168	0.000400	0.00200

WorkOrder: HS24080441
InstrumentID: SV-9
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.00016	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000066	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.00014	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.00015	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.00015	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.00018	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00023	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.00011	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.00017	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.00020	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.00020	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.00019	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.00015	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.00016	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00020	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.00019	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.00019	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.00025	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.00030	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.00018	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.00017	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.00026	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00018	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000080	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00030	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.00015	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.00028	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080441
InstrumentID: Subcontract
Test Code: SUB_VOC
Test Number: SUBCONTRACT
Test Name: Subcontract Analysis -VOC

METHOD DETECTION / REPORTING LIMITS

Matrix: NA **Units:** NA

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Subcontracted Analyses		0	0	0	0

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080441

QC BATCH REPORT

Batch ID: 215983 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215983** Units: **mg/L** Analysis Date: **14-Aug-2024 00:21**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191270** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215983** Units: **mg/L** Analysis Date: **14-Aug-2024 00:23**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191271** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04505	0.00200	0.05	0	90.1	80 - 120				

MS Sample ID: **HS24080474-01MS** Units: **mg/L** Analysis Date: **14-Aug-2024 00:30**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191274** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04761	0.00200	0.05	0.000246	94.7	80 - 120				

MSD Sample ID: **HS24080474-01MSD** Units: **mg/L** Analysis Date: **14-Aug-2024 00:33**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191275** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04743	0.00200	0.05	0.000246	94.4	80 - 120	0.04761	0.375	20	

PDS Sample ID: **HS24080474-01PDS** Units: **mg/L** Analysis Date: **14-Aug-2024 00:35**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191276** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09626	0.00200	0.1	0.000246	96.0	75 - 125				

SD Sample ID: **HS24080474-01SD** Units: **mg/L** Analysis Date: **14-Aug-2024 00:28**
Client ID: Run ID: **ICPMS05_474379** SeqNo: **8191273** PrepDate: **08-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.000246	0	10	

The following samples were analyzed in this batch: HS24080441-01 HS24080441-02 HS24080441-03 HS24080441-04 HS24080441-05

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080441

QC BATCH REPORT

Batch ID: 216100 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-216100** Units: **ug/L** Analysis Date: **16-Aug-2024 10:06**
Client ID: Run ID: **SV-9_474786** SeqNo: **8198699** PrepDate: **12-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*1.791*	*0.20*	*5*	*0*	*35.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.792*	*0.20*	*5*	*0*	*75.8*	*40 - 125*				
Surr: 2-Fluorophenol	*3.317*	*0.20*	*5*	*0*	*66.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.527*	*0.20*	*5*	*0*	*90.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.282*	*0.20*	*5*	*0*	*85.6*	*41 - 120*				
Surr: Phenol-d6	*3.656*	*0.20*	*5*	*0*	*73.1*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080441

QC BATCH REPORT

Batch ID: 216100 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-216100** Units: **ug/L** Analysis Date: **16-Aug-2024 10:28**
Client ID: Run ID: **SV-9_474786** SeqNo: **8198700** PrepDate: **12-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.654	0.20	5	0	93.1	39 - 127				
2,4-Dimethylphenol	3.532	0.20	5	0	70.6	35 - 120				
2,4-Dinitrotoluene	3.996	0.20	5	0	79.9	50 - 122				
2,6-Dinitrotoluene	3.956	0.20	5	0	79.1	50 - 120				
2-Chloronaphthalene	3.769	0.20	5	0	75.4	50 - 120				
2-Methylnaphthalene	3.963	0.10	5	0	79.3	50 - 120				
4,6-Dinitro-2-methylphenol	2.734	1.0	5	0	54.7	25 - 121				
4-Nitrophenol	3.007	1.0	5	0	60.1	30 - 130				
Acenaphthene	3.882	0.10	5	0	77.6	45 - 120				
Acenaphthylene	3.87	0.10	5	0	77.4	47 - 120				
Anthracene	4.152	0.10	5	0	83.0	45 - 120				
Benz(a)anthracene	3.864	0.10	5	0	77.3	40 - 120				
Benzo(a)pyrene	3.87	0.10	5	0	77.4	45 - 120				
Bis(2-chloroethoxy)methane	4.029	0.20	5	0	80.6	45 - 120				
Bis(2-ethylhexyl)phthalate	4.641	0.20	5	0	92.8	40 - 139				
Chrysene	4.008	0.10	5	0	80.2	43 - 120				
Dibenzofuran	4.017	0.10	5	0	80.3	50 - 120				
Di-n-butyl phthalate	4.48	0.20	5	0	89.6	45 - 123				
Fluoranthene	4.04	0.10	5	0	80.8	45 - 125				
Fluorene	3.887	0.10	5	0	77.7	49 - 120				
Naphthalene	3.841	0.10	5	0	76.8	45 - 120				
Nitrobenzene	4.138	0.20	5	0	82.8	44 - 120				
N-Nitrosodiphenylamine	4.041	0.20	5	0	80.8	40 - 125				
Pentachlorophenol	2.354	0.20	5	0	47.1	19 - 121				
Phenanthrene	3.926	0.10	5	0	78.5	45 - 121				
Phenol	4.014	0.20	5	0	80.3	20 - 124				
Pyrene	4.19	0.10	5	0	83.8	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.898*	*0.20*	*5*	*0*	*78.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.621*	*0.20*	*5*	*0*	*92.4*	*40 - 125*				
Surr: 2-Fluorophenol	*4.156*	*0.20*	*5*	*0*	*83.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.009*	*0.20*	*5*	*0*	*100*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.993*	*0.20*	*5*	*0*	*99.9*	*41 - 120*				
Surr: Phenol-d6	*4.694*	*0.20*	*5*	*0*	*93.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080441

QC BATCH REPORT

Batch ID: 216100 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-216100** Units: **ug/L** Analysis Date: **16-Aug-2024 10:50**
Client ID: Run ID: **SV-9_474786** SeqNo: **8198701** PrepDate: **12-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.658	0.20	5	0	93.2	39 - 127	4.654	0.0851	20	
2,4-Dimethylphenol	3.511	0.20	5	0	70.2	35 - 120	3.532	0.595	20	
2,4-Dinitrotoluene	3.922	0.20	5	0	78.4	50 - 122	3.996	1.87	20	
2,6-Dinitrotoluene	3.896	0.20	5	0	77.9	50 - 120	3.956	1.51	20	
2-Chloronaphthalene	3.793	0.20	5	0	75.9	50 - 120	3.769	0.616	20	
2-Methylnaphthalene	3.969	0.10	5	0	79.4	50 - 120	3.963	0.16	20	
4,6-Dinitro-2-methylphenol	2.695	1.0	5	0	53.9	25 - 121	2.734	1.42	30	
4-Nitrophenol	2.921	1.0	5	0	58.4	30 - 130	3.007	2.92	20	
Acenaphthene	3.823	0.10	5	0	76.5	45 - 120	3.882	1.53	20	
Acenaphthylene	3.831	0.10	5	0	76.6	47 - 120	3.87	1.02	20	
Anthracene	4.159	0.10	5	0	83.2	45 - 120	4.152	0.18	20	
Benz(a)anthracene	3.813	0.10	5	0	76.3	40 - 120	3.864	1.33	20	
Benzo(a)pyrene	3.738	0.10	5	0	74.8	45 - 120	3.87	3.46	20	
Bis(2-chloroethoxy)methane	3.976	0.20	5	0	79.5	45 - 120	4.029	1.33	20	
Bis(2-ethylhexyl)phthalate	4.772	0.20	5	0	95.4	40 - 139	4.641	2.79	20	
Chrysene	4.049	0.10	5	0	81.0	43 - 120	4.008	1.02	20	
Dibenzofuran	4.009	0.10	5	0	80.2	50 - 120	4.017	0.199	20	
Di-n-butyl phthalate	4.518	0.20	5	0	90.4	45 - 123	4.48	0.86	20	
Fluoranthene	4.049	0.10	5	0	81.0	45 - 125	4.04	0.208	20	
Fluorene	3.816	0.10	5	0	76.3	49 - 120	3.887	1.86	20	
Naphthalene	3.852	0.10	5	0	77.0	45 - 120	3.841	0.28	20	
Nitrobenzene	4.176	0.20	5	0	83.5	44 - 120	4.138	0.914	20	
N-Nitrosodiphenylamine	4.085	0.20	5	0	81.7	40 - 125	4.041	1.09	20	
Pentachlorophenol	2.26	0.20	5	0	45.2	19 - 121	2.354	4.06	20	
Phenanthrene	4.031	0.10	5	0	80.6	45 - 121	3.926	2.63	20	
Phenol	3.964	0.20	5	0	79.3	20 - 124	4.014	1.25	20	
Pyrene	4.269	0.10	5	0	85.4	40 - 130	4.19	1.87	20	
Surr: 2,4,6-Tribromophenol	*3.847*	*0.20*	*5*	*0*	*76.9*	*34 - 129*	*3.898*	*1.31*	*20*	
Surr: 2-Fluorobiphenyl	*4.513*	*0.20*	*5*	*0*	*90.3*	*40 - 125*	*4.621*	*2.36*	*20*	
Surr: 2-Fluorophenol	*4.165*	*0.20*	*5*	*0*	*83.3*	*20 - 120*	*4.156*	*0.227*	*20*	
Surr: 4-Terphenyl-d14	*5.14*	*0.20*	*5*	*0*	*103*	*40 - 135*	*5.009*	*2.59*	*20*	
Surr: Nitrobenzene-d5	*4.986*	*0.20*	*5*	*0*	*99.7*	*41 - 120*	*4.993*	*0.134*	*20*	
Surr: Phenol-d6	*4.696*	*0.20*	*5*	*0*	*93.9*	*20 - 120*	*4.694*	*0.0286*	*20*	

The following samples were analyzed in this batch: HS24080441-01 HS24080441-02 HS24080441-03 HS24080441-04 HS24080441-05

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24080441**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24080441 **Date/Time Received:** **06-Aug-2024 15:59**

Client Name: PBW **Received by:** **Patrick Salome**

Completed By: */S/ Hoa Tran* 07-Aug-2024 14:51 **Reviewed by:** */S/ salina zaid* 07-Aug-2024 16:47

eSignature Date/Time eSignature Date/Time

Matrices: **w** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320561
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	0.6uc/0.6c	ir34
Cooler(s)/Kit(s):	50241	
Date/Time sample(s) sent to storage:	08/07/2024 1450	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of 1

COC ID: 320561

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	HS24080441
				F	WSP Austin Houston TX-Wood Preserving Works
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179 0750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW03-20240805	8-5-24	0924	GW	1,2,8	6	X	X	X								
2	WG-1620-MW04-20240805		1038	GW	1,2,8	6	X	X	X								
3	WG-1620-MW09-20240805		1218	GW	1,2,8	6	X	X	X								
4	WG-1620-MW21C-20240805		1330	GW	1,2,8	6	X	X	X								
5	WG-1620-FE06-20240805		1340	GW	1,2,8	6	X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Dominic Baptiste

Shipment Method: Carry

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Dominic Baptiste	8/6/24	1519	
Relinquished by:	Date:	Time:	Received by (Laboratory):
	8.6.24	1559	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.
50241	0.6

QC Package: (Check One Box Below)
- [ ] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [X] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

YRM 3.4 COC 0.3

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ANALYTICAL REPORT

PREPARED FOR

Attn: Luis Aguilar
ALS Group USA Corp
10450 Stancliff Rd.
Suite 210
Houston, Texas 77099

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JOB DESCRIPTION

HS24080441

JOB NUMBER

860-80415-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

myEOL

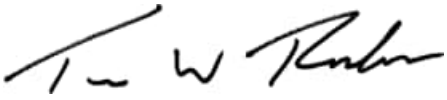
Eurofins Houston

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Travis Richter, Project Manager
Travis.Richter@et.eurofinsus.com
(281)794-7216

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Definitions/Glossary

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method 8260D Detection Limit Validation

Laboratory Eurofins Houston

Preparation Method: 5030C MDLV

Limit Group MSV - 8260_C-D_624.1 - Water - ALL

Analysis Dates: 2/14/2024 to 6/28/2024

Analyte

1,1,1,2-Tetrachloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000644	0.001	0.000644	0.0008	mg/L	1.2	0.00255	0.0028811	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078177	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084891	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105605	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00155385	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00202608	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00210438	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00253873	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950618	mg/L	Pass

1,1,1-Trichloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000585	0.005	0.000585	0.0008	mg/L	1.4	0.00202	0.0028022	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078805	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077835	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105261	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158724	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00259523	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075990	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116643	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00982708	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111373	mg/L	Pass

1,1,2,2-Tetrachloroethane

Current		Calculations								*MDLV used - 145268-9* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000470	0.001	0.000470	0.0008	mg/L	1.7	0.00200	0.0032193	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00070005	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00092188	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091834	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00094725	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00113903	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00164881	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061450	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130911	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01112902	mg/L	Pass

Analyte

1,1,2-Trichloro-1,2,2-trifluoroethane

Current MDL	Current RL
0.001110	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001110	0.001	mg/L	.9	0.00219	0.0030628	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00052323	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112963	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00360363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00251545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00045179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00062476	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00115745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00978660	mg/L	Pass

1,1,2-Trichloroethane

Current MDL	Current RL
0.000411	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00219	0.0034347	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079672	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066845	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118506	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01066064	mg/L	Pass

1,1-Dichloroethane

Current MDL	Current RL
0.000635	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000635	0.0008	mg/L	1.3	0.00203	0.0032912	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00080157	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00080548	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082513	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107236	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149662	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063573	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075649	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00111606	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01078178	mg/L	Pass

1,1-Dichloroethene

Current MDL	Current RL
0.000738	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000738	0.0009	mg/L	1.2	0.00215	0.0030955	9	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00046126	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00092183	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138086	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00309595	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00054285	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065145	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00123662	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01013383	mg/L	Pass
860-72581-A-1	MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00096347	mg/L	Pass

1,1-Dichloropropene

Current

MDL	RL
0.000624	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000624	0.0008	mg/L	1.3	0.00219	0.0025487	11	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096559	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077721	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094174	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00147394	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00423037	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00301299	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086219	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00153407	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00902905	mg/L	Pass
860-72581-A-1	MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00129929	mg/L	Pass

1,2,3-Trichlorobenzene

Current

MDL	RL
0.001769	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001769	0.001	mg/L	.6	0.00249	0.0028501	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00090790	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00122720	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152544	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00352691	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00252587	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00090564	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084521	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131424	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00972072	mg/L	Pass

1,2,3-Trichloropropane

Current

MDL	RL
0.000470	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000470	0.0009	mg/L	1.9	0.00223	0.0042618	7	N

MDLV used - 164176-32 3 value(s) Not Rec
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125636	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00129903	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129879	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01178936	mg/L	Pass

1,2,4-Trichlorobenzene

Current

MDL	RL
0.001753	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001753	0.001	mg/L	.6	0.00247	0.0027105	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095090	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112756	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176375	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00339246	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00255013	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00092583	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089925	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00133988	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933902	mg/L	Pass

1,2,4-Trimethylbenzene

Current

MDL	RL
0.000417	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000417	0.0008	mg/L	1.9	0.00203	0.0030083	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103378	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066167	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00085800	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135212	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00074312	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083037	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131779	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00944963	mg/L	Pass

1,2-Dibromo-3-Chloropropane

Current

MDL	RL
0.000671	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000671	0.0035	mg/L	5.2	0.00203	0.0037307	9	N

MDLV used - 167871-27 6 value(s) Not Rec
MDLV: Spike High

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00398264	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00325920	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104669	mg/L	Pass

1,2-Dichlorobenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0009	mg/L	2.1	0.00268	0.0032182	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098373	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00237706	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00260851	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078182	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087726	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00136168	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979185	mg/L	Pass

1,2-Dichloroethane

Current

MDL	RL
0.000372	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000372	0.0008	mg/L	2.2	0.00206	0.0030825	9	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00071463	mg/L	Pass

Analyte

860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095815	mg/L	Pass	
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096722	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125357	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00166216	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00070097	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082210	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128574	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01024616	mg/L	Pass	

1,2-Dichloropropane

Current	
MDL	RL
0.000556	0.005

Calculations							
Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000556	0.0008	mg/L	1.4	0.00216	0.0025638	13	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00088996	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00294732	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078651	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00080784	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109791	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00159336	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00451538	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303069	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00063520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00963430	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00099544	mg/L	Pass

1,3,5-Trimethylbenzene

Current	
MDL	RL
0.000411	0.001

Calculations							
Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00205	0.0030456	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00101225	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068167	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090647	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138917	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083663	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130469	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956374	mg/L	Pass

1,3-Dichlorobenzene

Current	
MDL	RL
0.000413	0.001

Calculations							
Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000413	0.0008	mg/L	1.9	0.00215	0.0030498	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099676	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082470	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107486	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00091261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00967782	mg/L	Pass

Analyte

1,3-Dichloropropane

Current		Calculations								*MDLV used - 164176-31* 1 value(s) Not Rec
		Ver	Spike		Spike		Std		Edit	MDLV: Pass
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.000514	0.005	0.000514	0.0008	mg/L	1.6	0.00230	0.0029529	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091436	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087875	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103336	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161630	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00409422	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00295601	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00080258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01053117	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00116153	mg/L	Pass

1,3-Dichloropropene, Total

Current		Calculations								*MDLV used - 164176-33* 7 value(s) Not Rec
		Ver	Spike		Spike		Std		Edit	MDLV: Pass
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.001067	0.005	0.001067	0.002	mg/L	1.9	0.00308	0.0056107	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00763	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00557	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01796	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichloro-2-butene, Total

Current		Calculations								*MDLV used - 164176-31* 4 value(s) Not Rec
		Ver	Spike		Spike		Std		Edit	MDLV: Pass
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.001350	0.005	0.001350	0.0016	mg/L	1.2	0.00468	0.0069732	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0033	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00823	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00678	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0227	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichlorobenzene

Current		Calculations								*MDLV used - 145268-8* All values recovere
		Ver	Spike		Spike		Std		Edit	MDLV: Pass
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.000449	0.001	0.000449	0.0005	mg/L	1.1	0.00223	0.0030765	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00064020	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00105345	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00129973	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176116	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094219	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00150197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979274	mg/L	Pass

1,4-Dioxane

Current

MDL	RL
0.02493	0.10

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02493	0.02	mg/L	.8	0.05947	0.1066682	8	N

MDLV used - 164176-33 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.02645311	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.14618672	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01030751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.29286498	mg/L	Pass

1-Chlorohexane

Current

MDL	RL
0.001423	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001423	0.001	mg/L	.7	0.00240	0.0024417	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00113949	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00082156	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00130808	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00418429	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00306256	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00094336	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097727	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00154076	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00864526	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00146387	mg/L	Pass

1-Methylnaphthalene

Current

MDL	RL
0.003459	0.010

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003459	0.0035	mg/L	1	0.00310	0.0041060	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00082988	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00548120	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00488189	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131183	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094935	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00181902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01270178	mg/L	Pass

Analyte

2,2-Dichloropropane

Current MDL	Current RL
0.000679	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000679	0.0008	mg/L	1.2	0.00222	0.0029598	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079316	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00073259	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096638	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00141971	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384192	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00284216	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00053066	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059836	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110238	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01058952	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00105881	mg/L	Pass

2-Butanone (MEK)

Current MDL	Current RL
0.008276	0.050

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.008276	0.005	mg/L	.6	0.01615	0.0220112	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01761484	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439115	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00467998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00695984	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02059954	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01405702	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00387119	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00471079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00825722	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.07644846	mg/L	Pass

2-Chloro-1,3-butadiene

Current MDL	Current RL
0.000598	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000598	0.0008	mg/L	1.3	0.00221	0.0029238	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067202	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071662	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096617	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144563	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00275596	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00070211	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00104419	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01047348	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111526	mg/L	Pass

2-Chloroethyl vinyl ether

Current MDL	Current RL
0.000753	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000753	0.0009	mg/L	1.2	0.00220	0.0034354	10	N

MDLV used - 164176-32 3 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089959	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119132	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390535	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00280099	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110887	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01129802	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087441	mg/L	Pass

2-Chlorotoluene

Current		Calculations									
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 164176-31* All values recover MDLV: Pass	
0.000459	0.002	0.000459	0.0008	mg/L	1.7	0.00202	0.0027699	9	N		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00076775	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098853	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149404	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079296	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00142919	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00937612	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00127751	mg/L	Pass

2-Ethylhexyl acrylate

Current		Calculations									
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 148281-13* 2 value(s) Not Rec MDLV: Spike High	
0.000659	0.005	0.000659	0.0025	mg/L	3.8	0.00282	0.0026078	5	N		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00411950	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00511520	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00490382	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

2-Hexanone

Current		Calculations									
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 151546-31* All values recover MDLV: Pass	
0.005	0.05	0.005	0.005	mg/L	1	0.01487	0.0205318	9	N		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00482613	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00501936	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00696407	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02014698	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01528703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00338264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00365154	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00710370	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06746159	mg/L	Pass

2-Methyl-2-propanol

Current		Calculations									
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 164176-31* All values recover MDLV: Pass	
0.00500	0.05	0.00500	0.008	mg/L	1.6	0.03137	0.0487240	11	N		

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00730842	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.01409917	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01502467	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01925501	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04187562	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02773100	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00546520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00844835	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.02018102	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.17483795	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.01085593	mg/L	Pass

2-Methylnaphthalene

Current

MDL	RL
0.003295	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003295	0.0035	mg/L	1.1	0.00305	0.0039048	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00084847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00575662	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00515628	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00126022	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00095914	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00168751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01184410	mg/L	Pass

2-Methyltetrahydrofuran

Current

MDL	RL
0.001661	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001661	0.0025	mg/L	1.5	0.00336	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00336297	mg/L	Pass

2-Methyltetrahydropyran

Current

MDL	RL
0.001744	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001744	0.0025	mg/L	1.4	0.00357	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00357459	mg/L	Pass

2-Nitropropane

Current

MDL	RL
0.00336	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00336	0.002	mg/L	.6	0.00489	0.0077639	8	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00214481	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00300052	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00528103	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00544925	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02329243	mg/L	Pass

Analyte

3-Chloro-1-propene

Current MDL	Current RL
0.000597	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000597	0.0009	mg/L	1.5	0.00245	0.0033991	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00078094	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00124830	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00342364	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00231804	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00104337	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00186140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01174927	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00125077	mg/L	Pass

4-Chlorotoluene

Current MDL	Current RL
0.000386	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000386	0.0008	mg/L	2.1	0.00206	0.0030255	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067091	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078971	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135907	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00953221	mg/L	Pass

4-Ethyltoluene

Current MDL	Current RL
0.000454	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000454	0.0008	mg/L	1.8	0.00202	0.0030462	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102612	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00059929	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084558	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132462	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00076471	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083003	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130630	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954256	mg/L	Pass

4-Isopropyltoluene

Current MDL	Current RL
0.000676	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000676	0.0009	mg/L	1.3	0.00224	0.0031772	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100659	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088809	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145776	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075768	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084300	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132292	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00942450	mg/L	Pass

4-Methyl-2-pentanone (MIBK)

Current MDL	Current RL
0.005	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.005	mg/L	1	0.01442	0.0190137	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00469187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00560137	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00747883	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02031642	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00332905	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00376367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00690938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06283103	mg/L	Pass

Acetone

Current MDL	Current RL
0.003067	0.10

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003067	0.004	mg/L	1.3	0.01464	0.0186501	12	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01590554	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00293717	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00627243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00655566	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00881079	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02683163	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02202806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00236319	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00396245	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00751693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06838691	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00411491	mg/L	Pass

Acetonitrile

Current MDL	Current RL
0.014594	0.10

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.014594	0.01	mg/L	.7	0.02742	0.0369061	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00692116	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01523408	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01610920	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02604888	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00853171	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01043374	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01861401	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.11749273	mg/L	Pass

Acrolein

Current MDL	Current RL
0.011116	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.011116	0.005	mg/L	.4	0.01315	0.0202555	9	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00457059	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00625347	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02082932	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490902	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00811743	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06369659	mg/L	Pass	

Acrylonitrile

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 151546-31* All values recover		
0.014319	0.05	0.014319	0.01	mg/L	.7	0.03015	0.0397744	9	N	MDLV: Spike Low		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00737708	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01240755	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01619679	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04156491	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03010491	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00722274	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00841693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01642013	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13169377	mg/L	Pass

Benzene

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 145268-9* All values recovere		
0.0004596	0.001	0.000459	0.0008	mg/L	1.7	0.00186	0.0028422	10	N	MDLV: Pass		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00077626	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00089680	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090682	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114298	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157106	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00060179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081186	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131922	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00991103	mg/L	Pass

Benzyl chloride

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 167871-27* 2 value(s) Not Rec		
0.002257	0.005	0.002257	0.0035	mg/L	1.6	0.00270	0.0029276	10	N	MDLV: Pass		

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00292993	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00066539	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00116687	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308741	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00229781	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00348447	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01009316	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00335780	mg/L	Pass

Analyte

Bromobenzene

Current MDL	Current RL
0.000486	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000486	0.0008	mg/L	1.6	0.00213	0.0030880	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007855	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0010937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0015611	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0007295	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008398	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0013786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0097394	mg/L	Pass

Bromoform

Current MDL	Current RL
0.000633	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000633	0.0008	mg/L	1.3	0.00275	0.0022829	13	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.0022935	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.0022425	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0006921	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007859	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0009838	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0013147	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0036531	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0025467	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0027457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0027478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0031816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0096563	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0029988	mg/L	Pass

Bromomethane

Current MDL	Current RL
0.001419	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001419	0.001	mg/L	.7	0.00229	0.0025409	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0011465	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0012628	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0034799	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0018938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0008446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0012324	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0014773	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0091981	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0014425	mg/L	Pass

Butadiene

Current MDL	Current RL
0.000568	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000568	0.0008	mg/L	1.4	0.00178	0.0029250	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0016180	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068750	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00074724	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119409	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00032706	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00039736	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00037040	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00893917	mg/L	Pass	

Carbon disulfide

Current

MDL	RL
0.00165	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00165	0.001	mg/L	.6	0.00228	0.0028824	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142859	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00338541	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00244081	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073848	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075515	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00949283	mg/L	Pass

Carbon tetrachloride

Current

MDL	RL
0.000896	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000896	0.0009	mg/L	1	0.00223	0.0024326	12	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095292	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00317069	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00097065	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109751	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151582	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00386651	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00245770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087037	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00144282	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00917345	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00132602	mg/L	Pass

Chlorobenzene

Current

MDL	RL
0.000455	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000455	0.0008	mg/L	1.8	0.00238	0.0030112	8	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092527	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099869	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00207768	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00240798	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073972	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085969	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141014	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00968867	mg/L	Pass

Analyte

Chlorobromomethane

Current MDL	Current RL
0.000577	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000577	0.0008	mg/L	1.4	0.00218	0.0034315	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078255	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075683	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00108846	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00162954	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058185	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067720	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130921	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01062906	mg/L	Pass

Chlorodibromomethane

Current MDL	Current RL
0.000547	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000547	0.0008	mg/L	1.5	0.00272	0.0024038	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00073000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00074574	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105268	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161656	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380017	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00264348	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00231231	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00241149	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00269421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938967	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00262440	mg/L	Pass

Chloroethane

Current MDL	Current RL
0.001984	0.010

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001984	0.001	mg/L	.5	0.00261	0.0035417	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00182322	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00136009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118247	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00290067	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061487	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00095248	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01120236	mg/L	Pass

Chloroform

Current MDL	Current RL
0.000464	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000464	0.0008	mg/L	1.7	0.00189	0.0029759	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00069775	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083989	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092785	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112281	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152060	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066100	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00072103	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00127735	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01032717	mg/L	Pass

Chloromethane

Current

MDL	RL
0.002035	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002035	0.001	mg/L	.5	0.00182	0.0021406	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00053972	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00119765	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151237	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00237590	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046398	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086851	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00072372	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00688968	mg/L	Pass

cis-1,2-Dichloroethene

Current

MDL	RL
0.000457	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000457	0.0008	mg/L	1.8	0.00211	0.0034396	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00084151	mg/L	Pass
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086088	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075782	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105883	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00150646	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065293	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00074994	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134017	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01125437	mg/L	Pass

cis-1,3-Dichloropropene

Current

MDL	RL
0.001067	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001067	0.001	mg/L	.9	0.00227	0.0028025	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086979	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098937	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140283	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00389462	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00279781	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00052378	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098247	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00903065	mg/L	Pass

cis-1,4-Dichloro-2-butene

Current

MDL	RL
0.001566	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001566	0.001	mg/L	.6	0.00295	0.0034178	10	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274391	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306403	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00330181	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00441788	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00364224	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00091773	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01144030	mg/L	Pass

Cyclohexane

Current

MDL	RL
0.001286	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001286	0.001	mg/L	.8	0.00211	0.0027840	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088265	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00090833	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00307302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00093743	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00160344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00920470	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00145100	mg/L	Pass

Cyclohexanone

Current

MDL	RL
0.02779	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02779	0.045	mg/L	1.6	0.16940	0.2883721	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.05120515	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.05918315	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.08482793	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.03653667	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.04215275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.09017621	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.82174935	mg/L	Pass

Dibromomethane

Current

MDL	RL
0.000357	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000357	0.0008	mg/L	2.2	0.00212	0.0033508	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00076383	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109922	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158137	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00049012	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060480	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01037542	mg/L	Pass

Dichlorobromomethane

Current

MDL	RL
0.000552	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000552	0.0008	mg/L	1.4	0.00262	0.0029118	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079325	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087693	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112861	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00163098	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00206757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00221431	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00264367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00964180	mg/L	Pass

Dichlorodifluoromethane

Current

MDL	RL
0.000785	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000785	0.0009	mg/L	1.1	0.00164	0.0027567	8	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00045135	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00059063	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00101873	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00073796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067947	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00074478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00845038	mg/L	Pass

Dichlorofluoromethane

Current

MDL	RL
0.000500	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00199	0.0027173	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00074012	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088494	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00139318	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00304104	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00133261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067957	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00093827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00100074	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00994968	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087253	mg/L	Pass

Dicyclopentadiene

Current

MDL	RL
0.001210	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001210	0.001	mg/L	.8	0.00245	0.0027287	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112858	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158775	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00425319	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00293812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073107	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082752	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131749	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956492	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00124780	mg/L	Pass

Epichlorohydrin

Current

MDL	RL
0.007521	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.007521	0.0080065	mg/L	1.1	0.02216	0.0428636	9	N

MDLV used - 164176-31 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00857031	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01092181	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01480899	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00654950	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01350427	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13561546	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00949390	mg/L	Pass

Ethyl acetate

Current

MDL	RL
0.000621	0.002

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000621	0.0016	mg/L	2.6	0.00536	0.0088837	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00211536	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00199127	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00252606	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00287852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00137528	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00168847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00302896	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02730530	mg/L	Pass

Ethyl acrylate

Current

MDL	RL
0.001233	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001233	0.001	mg/L	.8	0.00162	0.0024153	14	N

MDLV used - 164176-33 6 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00156081	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00276832	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00064937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112194	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00355518	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00250446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00169133	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00890357	mg/L	Pass

Ethyl ether

Current

MDL	RL
0.0100	0.1

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.0100	0.009	mg/L	.9	0.00210	0.0035049	8	N

MDLV used - 168383-21 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00039786	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105119	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142801	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00039820	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059312	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128583	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01072419	mg/L	Pass	
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00094241	mg/L	Pass	

Ethyl methacrylate

Current

MDL	RL
0.001118	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001118	0.001	mg/L	.9	0.00241	0.0034518	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103856	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135413	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00374947	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00257015	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129308	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104441	mg/L	Pass

Ethylbenzene

Current

MDL	RL
0.000385	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000385	0.0005	mg/L	1.3	0.00167	0.0025933	11	N

MDLV used - 145268-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00059798	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00082103	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098429	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072222	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144476	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054228	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075759	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135028	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00945268	mg/L	Pass

Ethylene Dibromide

Current

MDL	RL
0.000999	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000999	0.001	mg/L	1	0.00264	0.0032615	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086463	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153296	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00411075	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303418	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058785	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073237	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118357	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01075417	mg/L	Pass

Analyte

Ethylene oxide

Current MDL	Current RL
0.02062	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02062	0.01	mg/L	.5	0.02956	0.0418401	8	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01484273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01744123	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03757660	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00987001	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01020126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01686713	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12970540	mg/L	Pass

Hexachlorobutadiene

Current MDL	Current RL
0.000627	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000627	0.0005	mg/L	.8	0.00236	0.0022250	13	N

MDLV used - 145268-8 1 value(s) Not Reco
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00279933	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00306937	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00316368	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079957	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00209291	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00346781	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00256500	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086849	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00877237	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00098395	mg/L	Pass

Hexane

Current MDL	Current RL
0.000517	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000517	0.0009	mg/L	1.7	0.00193	0.0026567	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00062902	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308286	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00217159	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061744	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068136	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00101033	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00906897	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00103357	mg/L	Pass

Iodomethane

Current MDL	Current RL
0.005	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.0035	mg/L	.7	0.00223	0.0030099	8	N

MDLV used - 167871-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00110090	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153241	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00435814	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00048675	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060184	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00090933	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00891733	mg/L	Pass

Isobutyl alcohol

Current

MDL	RL
0.01710	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.01710	0.02	mg/L	1.2	0.05861	0.1141690	10	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.02546900	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.03169368	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03921284	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01959036	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.01459879	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01569549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03730709	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.38185812	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.02076107	mg/L	Pass

Isooctane

Current

MDL	RL
0.000500	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00198	0.0025313	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00063961	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00054601	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073938	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00123101	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00343661	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066173	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116135	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00909556	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00107348	mg/L	Pass

Isopropyl acetate

Current

MDL	RL
0.000576	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000576	0.0009	mg/L	1.6	0.00202	0.0012230	5	N

MDLV used - 148281-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00079030	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00226821	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00362490	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00261911	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00080536	mg/L	Pass

Isopropyl alcohol

Current

MDL	RL
0.005226	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005226	0.009	mg/L	1.7	0.02434	0.0360437	7	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01308404	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01684988	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00803266	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01075981	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01666624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.10502733	mg/L	Pass

Isopropyl ether

Current

MDL	RL
0.000838	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000838	0.0008	mg/L	1	0.00239	0.0030178	11	N

MDLV used - 164176-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00081552	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00085847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111510	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151160	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00432696	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00290163	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068822	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117778	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01086043	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00121437	mg/L	Pass

Isopropylbenzene

Current

MDL	RL
0.000592	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000592	0.0008	mg/L	1.4	0.00200	0.0029715	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098439	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068668	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089524	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137479	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00069692	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00078030	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933295	mg/L	Pass

Methacrylonitrile

Current

MDL	RL
0.002715	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002715	0.008	mg/L	2.9	0.02484	0.0408315	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00851064	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00901448	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01121366	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01523796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00726807	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00794094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01393187	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12564773	mg/L	Pass

Analyte

Methyl acetate

Current MDL	Current RL
0.004008	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004008	0.002	mg/L	.5	0.00618	0.0080266	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00137873	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00235980	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00315260	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00870708	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00746344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131311	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00158637	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00333452	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02637140	mg/L	Pass

Methyl acrylate

Current MDL	Current RL
0.000660	0.1

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000660	0.0009	mg/L	1.4	0.00167	0.0013388	5	N

MDLV used - 148281-8 1 value(s) Not Reco
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00065983	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00203010	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00332222	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00237826	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

Methyl methacrylate

Current MDL	Current RL
0.002250	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002250	0.002	mg/L	.9	0.00545	0.0070374	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00187146	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00211656	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00291897	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00787111	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00583680	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00118083	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00139473	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00260349	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02325705	mg/L	Pass

Methyl tert-butyl ether

Current MDL	Current RL
0.001391	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001391	0.001	mg/L	.7	0.00280	0.0030057	11	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00282066	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00071590	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00124914	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00172437	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00388452	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00371540	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00268876	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065509	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00076478	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00146530	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01115994	mg/L	Pass

Methylcyclohexane

Current MDL	Current RL
0.000608	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000608	0.0009	mg/L	1.5	0.00221	0.0030579	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073173	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00113590	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00366409	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00249833	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062956	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073177	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130482	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01039496	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00109363	mg/L	Pass

Methylene Chloride

Current MDL	Current RL
0.001726	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001726	0.001	mg/L	.6	0.00315	0.0030328	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00135563	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00359817	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00382051	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00407302	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00305446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083281	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01026064	mg/L	Pass

m-Xylene & p-Xylene

Current MDL	Current RL
0.001240	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001240	0.001	mg/L	.8	0.00257	0.0025547	11	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00349531	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00095385	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140781	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00250210	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390231	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00269362	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081449	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950225	mg/L	Pass

Naphthalene

Current MDL	Current RL
0.001353	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001353	0.001	mg/L	.7	0.00268	0.0033610	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092989	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00116367	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00167148	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00333347	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00242945	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00091254	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086029	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00148573	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01137720	mg/L	Pass	

n-Butanol

Current		Calculations							*MDLV used - 164176-33* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.02489	.150	0.02489	0.0248	mg/L	1	0.07347	0.1297348	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.02376396	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03315522	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.09167371	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.07206094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03206644	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.40859964	mg/L	Pass

n-Butyl acetate

Current		Calculations							*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001568	0.005	0.001568	0.001	mg/L	.6	0.00279	0.0037035	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00107009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086170	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112225	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00433152	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00286942	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00064636	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137153	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01211954	mg/L	Pass

n-Butyl acrylate

Current		Calculations							*MDLV used - 148281-8* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001382	0.005	0.001382	0.0009	mg/L	.7	0.00161	0.0010861	5	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00056091	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00172500	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00313136	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00208698	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00057894	mg/L	Pass

n-Butylbenzene

Current		Calculations							*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000510	0.001	0.000510	0.0008	mg/L	1.6	0.00202	0.0029011	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096188	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066448	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088136	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143202	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079644	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088466	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137184	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00916909	mg/L	Pass	

N-Propylbenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0008	mg/L	1.9	0.00201	0.0029080	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067154	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089920	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00077226	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083676	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135572	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00918135	mg/L	Pass

o-Xylene

Current

MDL	RL
0.000502	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000502	0.0008	mg/L	1.6	0.00176	0.0027361	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00081238	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095221	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067927	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096541	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137729	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054673	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071965	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00079964	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130540	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00951869	mg/L	Pass

Propene

Current

MDL	RL
0.004388	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004388	0.0035	mg/L	.8	0.00029	0.0004254	8	N

MDLV used - 167871-31 5 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00065329	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102048	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00071618	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

Propionitrile

Current MDL	Current RL
0.003341	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003341	0.008	mg/L	2.4	0.02511	0.0442251	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00916343	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00998521	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01127527	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01536442	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00631315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00684545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01462402	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.14276510	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00968547	mg/L	Pass

sec-Butylbenzene

Current MDL	Current RL
0.000468	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000468	0.0008	mg/L	1.7	0.00206	0.0030331	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00104188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00065426	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078304	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085704	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134767	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954232	mg/L	Pass

Styrene

Current MDL	Current RL
0.000619	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000619	0.0008	mg/L	1.3	0.00200	0.0030626	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091703	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071642	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089678	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132244	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067741	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075225	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956411	mg/L	Pass

Tert-amyl methyl ether

Current MDL	Current RL
0.000475	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00210	0.0031504	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00083618	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00092273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111624	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156999	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062758	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120353	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00986399	mg/L	Pass

Tert-butyl ethyl ether

Current MDL	Current RL
0.000988	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000988	0.001	mg/L	1	0.00261	0.0032833	10	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095047	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00118533	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161955	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00406348	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00278298	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085750	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135761	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01147628	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00117387	mg/L	Pass

tert-Butylbenzene

Current MDL	Current RL
0.000442	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000442	0.0008	mg/L	1.8	0.00206	0.0030183	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102862	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072912	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090824	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00148250	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073808	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082436	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132714	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950763	mg/L	Pass

Tetrachloroethene

Current MDL	Current RL
0.000655	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000655	0.0009	mg/L	1.4	0.00216	0.0031509	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00085543	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00093753	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00154235	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058657	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075271	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00927323	mg/L	Pass

Tetrahydrofuran

Current MDL	Current RL
0.001833	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001833	0.0018	mg/L	1	0.00388	0.0077239	11	N

MDLV used - 164176-32 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00227602	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00536388	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00232053	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00248562	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00349415	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00889365	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	-0.0032072	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	-0.0026485	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	-0.0009132	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02464721	mg/L	Pass

Tetrahydropyran

Current

MDL	RL
0.001789	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001789	0.0025	mg/L	1.4	0.00263	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00263037	mg/L	Pass

Toluene

Current

MDL	RL
0.000475	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00182	0.0027471	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092591	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00094083	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00078348	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102741	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156337	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00052433	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068986	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081732	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135245	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959175	mg/L	Pass

Total BTEX

Current

MDL	RL
0.000533	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000533	0.005	mg/L	9.4	0.00377	NA	1	N

MDLV used - 151546-31 All values recover
MDLV: Spike High

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003774	mg/L	Pass

trans-1,2-Dichloroethene

Current

MDL	RL
0.000368	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000368	0.0008	mg/L	2.2	0.00181	0.0031242	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00040499	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083147	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055966	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00069909	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100165	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145685	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058917	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067063	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132323	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01065980	mg/L	Pass

trans-1,3-Dichloropropene

Current

MDL	RL
0.001267	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001267	0.001	mg/L	.8	0.00214	0.0028277	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098397	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00373827	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00277403	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00055004	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00097113	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00892664	mg/L	Pass

trans-1,4-Dichloro-2-butene

Current

MDL	RL
0.001350	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001350	0.001	mg/L	.7	0.00235	0.0036402	9	N

MDLV used - 164176-33 3 value(s) Not Re
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084491	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380893	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00314096	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00086829	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01134301	mg/L	Pass

Trichloroethene

Current

MDL	RL
0.00150	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00150	0.001	mg/L	.7	0.00258	0.0024011	12	N

MDLV used - 145268-10 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00161799	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00202625	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00438664	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088671	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097231	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145593	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00379353	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261075	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00106197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00117172	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00171215	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933979	mg/L	Pass

Trichlorofluoromethane

Current

MDL	RL
0.000560	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000560	0.0008	mg/L	1.4	0.00183	0.0028404	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00083421	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097014	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132952	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066435	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00096126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00096807	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938647	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00070395	mg/L	Pass

Trihalomethanes, Total

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike High
0.000552	0.001	0.000552	0.0032	mg/L	5.8	0.01065	0.0100838	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003143	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.003254	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.004284	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00608	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01095	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.007791	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.008091	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00979	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.03899	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00929	mg/L	Pass

Vinyl acetate

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.002139	0.02	0.002139	0.004	mg/L	1.9	0.01132	0.0141611	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439392	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00377000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00513735	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00614574	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01975543	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01407338	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00342209	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00437903	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00575597	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.05121953	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00650542	mg/L	Pass

Vinyl chloride

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000428	0.002	0.000428	0.0008	mg/L	1.9	0.00175	0.0027656	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055607	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090990	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109164	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140198	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00102169	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057510	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088243	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959150	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00055790	mg/L	Pass

Analyte

Xylenes, Total

Current		Calculations									*MDLV used - 164176-32* All values recover
		Ver	Spike		Spike			Std		Edit	MDLV: Spike High
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.000551	0.001	0.000551	0.0018	mg/L	3.3	0.00481	0.0053508	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00686	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.000952	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.000965	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00519	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00772	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00533	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00263	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01902	mg/L	Pass

Detected? Pass = result was detected ; Fail = result < = 0 . If MDLV is < MDL , verify Detection or S/N ratio
MDLV: Pass = meets Spike/MDL ratio , Spike High =Spike/MDL > ratio , Spike Low = Spike < MDL
Spike/MDL ratio = 3.00

Appendix A

Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Job No. 860-80415-1 and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ☑ R1- Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  a. Items consistent with NELAC Chapter 5,
  b. dilution factors,
  c. preparation methods,
  d. cleanup methods, and
  e. if required for the project, tentatively identified coumpounds (TICs).
- ☑ R4 - Surrogate recovery data including:
  a. Calculated recovery (%R), and
  b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  a. LCS spiking amounts,
  b. Calculated %R for each analyte, and
  c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a. Samples associated with the MS/MSD clearly identified,
  b. MS/MSD spiking amounts,
  c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d. Calculated %Rs and relative percent differences (RPDs), and
  e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  a. The amount of analyte measured in the duplicate,
  b. The calculated RPD, and
  c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ☑ R10 - Other problems or anomalies.
- ☐ Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: ☐ This laboratory meets an exception under 30 TAC §25.6 and was last inspected by ☐ TCEQ or ☐ _____ on __/__/__. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Printed)	Date
Travis Richter		Project Manager	08/19/2024

Laboratory Data Package Cover Page - Page 2 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/19/2024
Project Name: HS24080441	Laboratory Job Number: 860-80415-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				
		Were all departures from standard conditions described in an exception report?	✓				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✓				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		Were calculations checked by a peer or supervisor?	✓				
		Were all analyte identifications checked by a peer or supervisor?	✓				
		Were sample detection limits reported for all analytes not detected?	✓				
		Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			✓		
		If required for the project, are TICs reported?			✓		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✓				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✓				
		Were blanks analyzed at the appropriate frequency?	✓				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		Were blank concentrations < MQL?		✓			1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✓				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✓				
		Were LCSs analyzed at the required frequency?	✓				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✓				
		Was the LCSD RPD within QC limits?	✓				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✓				
		Were MS/MSD analyzed at the appropriate frequency?	✓				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Were MS/MSD RPDs within laboratory QC limits?			✓		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			✓		
		Were analytical duplicates analyzed at the appropriate frequency?			✓		
		Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✓				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✓				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	✓				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✓				

Laboratory Data Package Cover Page - Page 3 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/19/2024
Project Name: HS24080441	Laboratory Job Number: 860-80415-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		Were percent RSDs or correlation coefficient criteria met?	✓				
		Was the number of standards recommended in the method used for all analytes?	✓				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		Are ICAL data available for all instruments used?	✓				
		Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	✓				
		Were percent differences for each analyte within the method-required QC limits?	✓				
		Was the ICAL curve verified for each analyte?	✓				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			✓		
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?	✓				
		Were ion abundance data within the method-required QC limits?	✓				
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			✓		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?			✓		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			✓		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✓				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✓				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✓				
		Is documentation of the analyst's competency up-to-date and on file?	✓				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	✓				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period;
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Cover Page - Page 4 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/19/2024
Project Name: HS24080441	Laboratory Job Number: 860-80415-1
Reviewer Name: Travis Richter	

ER#[1]	Description
1	Method 8260C: The method blank for analytical batch 860-182121 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Job ID: 860-80415-1 — Eurofins Houston

Job Narrative
860-80415-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/13/2024 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

GC/MS VOA
Method 8260C: The method blank for analytical batch 860-182121 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Client Sample ID: HS24080441-01 — Lab Sample ID: 860-80415-1

No Detections.

Client Sample ID: HS24080441-02 — Lab Sample ID: 860-80415-2

No Detections.

Client Sample ID: HS24080441-03 — Lab Sample ID: 860-80415-3

No Detections.

Client Sample ID: HS24080441-04 — Lab Sample ID: 860-80415-4

No Detections.

Client Sample ID: HS24080441-05 — Lab Sample ID: 860-80415-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HS24080441-01

Lab Sample ID: 860-80415-1

Date Collected: 08/05/24 09:24

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.460	U	1.00	0.460	ug/L			08/17/24 07:47	1
1,2-Dichloroethane	<0.372	U	1.00	0.372	ug/L			08/17/24 07:47	1
Methylene Chloride	<1.73	U	5.00	1.73	ug/L			08/17/24 07:47	1
Toluene	<0.475	U	1.00	0.475	ug/L			08/17/24 07:47	1
Chlorobenzene	<0.455	U	1.00	0.455	ug/L			08/17/24 07:47	1
Ethylbenzene	<0.385	U	1.00	0.385	ug/L			08/17/24 07:47	1
Xylenes, Total	<1.24	U	10.0	1.24	ug/L			08/17/24 07:47	1
o-Xylene	<0.502	U	1.00	0.502	ug/L			08/17/24 07:47	1
m,p-Xylenes	<1.24	U	10.0	1.24	ug/L			08/17/24 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*75 - 131*		*08/17/24 07:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*08/17/24 07:47*	*1*
4-Bromofluorobenzene (Surr)	*94*		*74 - 124*		*08/17/24 07:47*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 07:47*	*1*

Client Sample ID: HS24080441-02

Lab Sample ID: 860-80415-2

Date Collected: 08/05/24 10:38

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.460	U	1.00	0.460	ug/L			08/17/24 08:07	1
1,2-Dichloroethane	<0.372	U	1.00	0.372	ug/L			08/17/24 08:07	1
Methylene Chloride	<1.73	U	5.00	1.73	ug/L			08/17/24 08:07	1
Toluene	<0.475	U	1.00	0.475	ug/L			08/17/24 08:07	1
Chlorobenzene	<0.455	U	1.00	0.455	ug/L			08/17/24 08:07	1
Ethylbenzene	<0.385	U	1.00	0.385	ug/L			08/17/24 08:07	1
Xylenes, Total	<1.24	U	10.0	1.24	ug/L			08/17/24 08:07	1
o-Xylene	<0.502	U	1.00	0.502	ug/L			08/17/24 08:07	1
m,p-Xylenes	<1.24	U	10.0	1.24	ug/L			08/17/24 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*08/17/24 08:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/17/24 08:07*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*08/17/24 08:07*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/17/24 08:07*	*1*

Client Sample ID: HS24080441-03

Lab Sample ID: 860-80415-3

Date Collected: 08/05/24 12:18

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.460	U	1.00	0.460	ug/L			08/17/24 08:28	1
1,2-Dichloroethane	<0.372	U	1.00	0.372	ug/L			08/17/24 08:28	1
Methylene Chloride	<1.73	U	5.00	1.73	ug/L			08/17/24 08:28	1
Toluene	<0.475	U	1.00	0.475	ug/L			08/17/24 08:28	1
Chlorobenzene	<0.455	U	1.00	0.455	ug/L			08/17/24 08:28	1
Ethylbenzene	<0.385	U	1.00	0.385	ug/L			08/17/24 08:28	1
Xylenes, Total	<1.24	U	10.0	1.24	ug/L			08/17/24 08:28	1

Client Sample ID: HS24080441-03

Lab Sample ID: 860-80415-3

Date Collected: 08/05/24 12:18

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.502	U	1.00	0.502	ug/L			08/17/24 08:28	1
m,p-Xylenes	<1.24	U	10.0	1.24	ug/L			08/17/24 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*75 - 131*		*08/17/24 08:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*08/17/24 08:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/17/24 08:28*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/17/24 08:28*	*1*

Client Sample ID: HS24080441-04

Lab Sample ID: 860-80415-4

Date Collected: 08/05/24 13:30

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.460	U	1.00	0.460	ug/L			08/17/24 08:48	1
1,2-Dichloroethane	<0.372	U	1.00	0.372	ug/L			08/17/24 08:48	1
Methylene Chloride	<1.73	U	5.00	1.73	ug/L			08/17/24 08:48	1
Toluene	<0.475	U	1.00	0.475	ug/L			08/17/24 08:48	1
Chlorobenzene	<0.455	U	1.00	0.455	ug/L			08/17/24 08:48	1
Ethylbenzene	<0.385	U	1.00	0.385	ug/L			08/17/24 08:48	1
Xylenes, Total	<1.24	U	10.0	1.24	ug/L			08/17/24 08:48	1
o-Xylene	<0.502	U	1.00	0.502	ug/L			08/17/24 08:48	1
m,p-Xylenes	<1.24	U	10.0	1.24	ug/L			08/17/24 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*08/17/24 08:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/17/24 08:48*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/17/24 08:48*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/17/24 08:48*	*1*

Client Sample ID: HS24080441-05

Lab Sample ID: 860-80415-5

Date Collected: 08/05/24 13:40

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.460	U	1.00	0.460	ug/L			08/17/24 09:08	1
1,2-Dichloroethane	<0.372	U	1.00	0.372	ug/L			08/17/24 09:08	1
Methylene Chloride	<1.73	U	5.00	1.73	ug/L			08/17/24 09:08	1
Toluene	<0.475	U	1.00	0.475	ug/L			08/17/24 09:08	1
Chlorobenzene	<0.455	U	1.00	0.455	ug/L			08/17/24 09:08	1
Ethylbenzene	<0.385	U	1.00	0.385	ug/L			08/17/24 09:08	1
Xylenes, Total	<1.24	U	10.0	1.24	ug/L			08/17/24 09:08	1
o-Xylene	<0.502	U	1.00	0.502	ug/L			08/17/24 09:08	1
m,p-Xylenes	<1.24	U	10.0	1.24	ug/L			08/17/24 09:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*08/17/24 09:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 144*		*08/17/24 09:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*08/17/24 09:08*	*1*

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Client Sample ID: HS24080441-05
Date Collected: 08/05/24 13:40
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80415-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		08/17/24 09:08	1

Surrogate Summary

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(75-131)	(63-144)	(74-124)	(80-120)
860-80415-1	HS24080441-01	102	101	94	102
860-80415-2	HS24080441-02	103	100	95	101
860-80415-3	HS24080441-03	97	101	96	103
860-80415-4	HS24080441-04	100	99	96	103
860-80415-5	HS24080441-05	100	102	95	100
LCS 860-182121/3	Lab Control Sample	99	100	91	97
LCSD 860-182121/4	Lab Control Sample Dup	98	100	91	97
MB 860-182121/9	Method Blank	96	99	96	102

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-182121/9
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.460	U	1.00	0.460	ug/L			08/17/24 05:03	1
1,2-Dichloroethane	<0.372	U	1.00	0.372	ug/L			08/17/24 05:03	1
Methylene Chloride	2.440	J	5.00	1.73	ug/L			08/17/24 05:03	1
Toluene	<0.475	U	1.00	0.475	ug/L			08/17/24 05:03	1
Chlorobenzene	<0.455	U	1.00	0.455	ug/L			08/17/24 05:03	1
Ethylbenzene	<0.385	U	1.00	0.385	ug/L			08/17/24 05:03	1
Xylenes, Total	<1.24	U	10.0	1.24	ug/L			08/17/24 05:03	1
o-Xylene	<0.502	U	1.00	0.502	ug/L			08/17/24 05:03	1
m,p-Xylenes	<1.24	U	10.0	1.24	ug/L			08/17/24 05:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*08/17/24 05:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/17/24 05:03*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/17/24 05:03*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 05:03*	*1*

Lab Sample ID: LCS 860-182121/3
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	51.46		ug/L		103	75 - 125
1,2-Dichloroethane	50.0	50.79		ug/L		102	72 - 130
Methylene Chloride	50.0	55.43		ug/L		111	71 - 125
Toluene	50.0	49.02		ug/L		98	75 - 130
Chlorobenzene	50.0	50.39		ug/L		101	82 - 135
Ethylbenzene	50.0	49.44		ug/L		99	75 - 125
o-Xylene	50.0	48.97		ug/L		98	75 - 125
m,p-Xylenes	50.0	48.02		ug/L		96	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 860-182121/4
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	50.0	51.63		ug/L		103	75 - 125	0	25
1,2-Dichloroethane	50.0	50.94		ug/L		102	72 - 130	0	25
Methylene Chloride	50.0	56.13		ug/L		112	71 - 125	1	25
Toluene	50.0	50.08		ug/L		100	75 - 130	2	25
Chlorobenzene	50.0	50.80		ug/L		102	82 - 135	1	25
Ethylbenzene	50.0	50.27		ug/L		101	75 - 125	2	25
o-Xylene	50.0	49.84		ug/L		100	75 - 125	2	25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-182121/4
Matrix: Water
Analysis Batch: 182121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes			50.0	49.19		ug/L		98	75 - 125	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*
Toluene-d8 (Surr)	*97*		*80 - 120*

QC Association Summary

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

GC/MS VOA

Analysis Batch: 182121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-80415-1	HS24080441-01	Total/NA	Water	8260C	
860-80415-2	HS24080441-02	Total/NA	Water	8260C	
860-80415-3	HS24080441-03	Total/NA	Water	8260C	
860-80415-4	HS24080441-04	Total/NA	Water	8260C	
860-80415-5	HS24080441-05	Total/NA	Water	8260C	
MB 860-182121/9	Method Blank	Total/NA	Water	8260C	
LCS 860-182121/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-182121/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Client Sample ID: HS24080441-01
Date Collected: 08/05/24 09:24
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80415-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182121	08/17/24 07:47	KLV	EET HOU

Client Sample ID: HS24080441-02
Date Collected: 08/05/24 10:38
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80415-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182121	08/17/24 08:07	KLV	EET HOU

Client Sample ID: HS24080441-03
Date Collected: 08/05/24 12:18
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80415-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182121	08/17/24 08:28	KLV	EET HOU

Client Sample ID: HS24080441-04
Date Collected: 08/05/24 13:30
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80415-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182121	08/17/24 08:48	KLV	EET HOU

Client Sample ID: HS24080441-05
Date Collected: 08/05/24 13:40
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80415-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	182121	08/17/24 09:08	KLV	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-25

Method Summary

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
5030C	Purge and Trap	SW846	EET HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: ALS Group USA Corp
Project/Site: HS24080441

Job ID: 860-80415-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-80415-1	HS24080441-01	Water	08/05/24 09:24	08/13/24 15:15
860-80415-2	HS24080441-02	Water	08/05/24 10:38	08/13/24 15:15
860-80415-3	HS24080441-03	Water	08/05/24 12:18	08/13/24 15:15
860-80415-4	HS24080441-04	Water	08/05/24 13:30	08/13/24 15:15
860-80415-5	HS24080441-05	Water	08/05/24 13:40	08/13/24 15:15



10450 Stancliff Rd, Ste 210
Houston, TX 77099
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F: +1 281 530 5887
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26642**

SUBCONTRACT TO:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis aguilar@alsglobal.com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	HS24080441
TSR:	Ron Martino

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	**HS24080441-01**	**WG-1620-MW03-20240805**	**GW**	**05 Aug 2024 09:24**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
2.	**HS24080441-02**	**WG-1620-MW04-20240805**	**GW**	**05 Aug 2024 10:38**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
3.	**HS24080441-03**	**WG-1620-MW09-20240805**	**GW**	**05 Aug 2024 12:18**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
4.	**HS24080441-04**	**WG-1620-MW21C-20240805**	**GW**	**05 Aug 2024 13:30**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024
5.	**HS24080441-05**	**WG-1620-FE06-20240805**	**GW**	**05 Aug 2024 13:40**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			15 Aug 2024

Comments: Please analyze for the analysis listed above
Send report to the emails shown above
Select list 1,2 Dichloroethane, Benzene, Chlorobenzene, Ethylbenzene, Methylene Chloride, Toluene, Xylenes (Total)
SHORT HOLD

QC Level. TRRP LRC (TRRP checklist only+Level II (normal))

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26642**

Relinquished By DS Date/Time 8.13.24 1515

Received By Sarah Jones Date/Time 8/13/24 1515

Cooler ID(s) _____ Temperature(s) _____

Temp: 4.8 IR ID:HOU-368
C/F:+0.2
Corrected Temp: 5.0

10450 Stancliff Rd, Ste 210
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www.alsglobal.com

Purchase Order

PO: HS24080441

VENDOR:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis aguilar@alsglobal com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	26642
TSR:	Ron Martino

	Item	Catalog No	Unit Price	Quantity	Ext Price
1	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD	SUBCONTRACT		5	

Order Total:

Login Sample Receipt Checklist

Client: ALS Group USA Corp

Job Number: 860-80415-1

Login Number: 80415
List Number: 1
Creator: Torres, Sandra

List Source: Eurofins Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

10450 Stancliff Rd. Suite 210
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F: +1 281 530 5887

August 21, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24080318**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 12 sample(s) on Aug 02, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,



Generated By: DAYNA.FISHER
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080318**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080318**	

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/21/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080318				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215895, 215948, R474827				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				2
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				3
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/21/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080318				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 215895, 215948, R474827				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/21/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24080318
Reviewer Name: Luis Aguilar	Prep Batch Number(s): 215895, 215948, R474827

ER#[5]	Description
1	Batch 215948, Semivolatiles by method SW8270, Multiple Samples, surrogate recoveries could not be determined due to dilution below the calibration range. Batch 215948, Semivolatiles by method SW8270, Sample WG-1620-MW18A-20240802, High %R for 2, 4, 6- Tribromophenol due to sample matrix, recovery was above 10% so the method allows for one acid surrogate to be outside detection limits.
2	Log in Notes :Sample WG-1620-FB05-20240802 @ 1530 COC states 2 bottles however collected 6 bottles in cooler Analyses of 8260 were performed by Eurofins in Stafford, TX. Report and Laboratory Review Checklist are appended.
3	Batch 215948, Semivolatiles by method SW8270, Multiple Samples: The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24080318

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24080318-01	WG-1620-MW58A-20240802	Groundwater		02-Aug-2024 08:45	02-Aug-2024 17:55	☐
HS24080318-02	WG-1620-MW18A-20240802	Groundwater		02-Aug-2024 10:10	02-Aug-2024 17:55	☐
HS24080318-03	WG-1620-MW18C-20240802	Groundwater		02-Aug-2024 11:30	02-Aug-2024 17:55	☐
HS24080318-04	WG-1620-MW23C-20240802	Groundwater		02-Aug-2024 12:35	02-Aug-2024 17:55	☐
HS24080318-05	WG-1620-P11-20240802	Groundwater		02-Aug-2024 14:25	02-Aug-2024 17:55	☐
HS24080318-06	WG-1620-MW05-20240802	Groundwater		02-Aug-2024 15:10	02-Aug-2024 17:55	☐
HS24080318-07	WG-1620-FB05-20240802	Groundwater		02-Aug-2024 15:30	02-Aug-2024 17:55	☐
HS24080318-08	WG-1620-MW86C-20240802	Groundwater		02-Aug-2024 09:32	02-Aug-2024 17:55	☐
HS24080318-09	WG-1620-MW49A-20240802	Groundwater		02-Aug-2024 11:05	02-Aug-2024 17:55	☐
HS24080318-10	WG-1620-MW12B-20240802	Groundwater		02-Aug-2024 13:20	02-Aug-2024 17:55	☐
HS24080318-11	WG-1620-TW41B-20240802	Groundwater		02-Aug-2024 14:32	02-Aug-2024 17:55	☐
HS24080318-12	WG-1620-MW41B-20240802	Groundwater		02-Aug-2024 15:30	02-Aug-2024 17:55	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW58A-20240802
Collection Date: 02-Aug-2024 08:45

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 22:20
2,4-Dimethylphenol	**0.019**		**0.00080**	**0.0040**	**mg/L**	20	13-Aug-2024 18:58
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 22:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 22:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 22:20
2-Methylnaphthalene	**0.00030**		**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 22:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 22:20
Acenaphthene	**0.0094**		**0.00054**	**0.0020**	**mg/L**	20	13-Aug-2024 18:58
Acenaphthylene	**0.00017**		**0.000015**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
Anthracene	**0.0011**		**0.000014**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 22:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 22:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 22:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 22:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 22:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 22:20
Dibenzofuran	**0.0042**		**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
Fluoranthene	**0.0014**		**0.000010**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
Fluorene	**0.0069**		**0.000030**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 22:20
Naphthalene	**0.000094**	J	**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 22:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 22:20
Phenanthrene	**0.000033**	J	**0.000021**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 22:20
Pyrene	**0.00071**		**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 22:20
Surr: 2,4,6-Tribromophenol	*109*			*34-129*	*%REC*	*1*	*12-Aug-2024 22:20*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*20*	*13-Aug-2024 18:58*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20*	*13-Aug-2024 18:58*
Surr: 2-Fluorobiphenyl	*76.1*			*40-125*	*%REC*	*1*	*12-Aug-2024 22:20*
Surr: 2-Fluorophenol	*68.7*			*20-120*	*%REC*	*1*	*12-Aug-2024 22:20*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*20*	*13-Aug-2024 18:58*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20*	*13-Aug-2024 18:58*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*1*	*12-Aug-2024 22:20*
Surr: Nitrobenzene-d5	*68.7*			*41-120*	*%REC*	*1*	*12-Aug-2024 22:20*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20*	*13-Aug-2024 18:58*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*20*	*13-Aug-2024 18:58*
Surr: Phenol-d6	*75.0*			*20-120*	*%REC*	*1*	*12-Aug-2024 22:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW58A-20240802
Collection Date: 02-Aug-2024 08:45

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.000730**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:21
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18A-20240802
Collection Date: 02-Aug-2024 10:10

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 02:11
2,4-Dimethylphenol	**2.1**		**0.040**	**0.20**	**mg/L**	1000	17-Aug-2024 21:58
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Aug-2024 02:11
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Aug-2024 02:11
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 02:11
2-Methylnaphthalene	**0.15**		**0.0019**	**0.010**	**mg/L**	100	13-Aug-2024 23:33
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Aug-2024 02:11
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Aug-2024 02:11
Acenaphthene	**0.097**		**0.00027**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
Acenaphthylene	**0.0039**		**0.00015**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
Anthracene	**0.0042**		**0.00014**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	13-Aug-2024 02:11
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	13-Aug-2024 02:11
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Aug-2024 02:11
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Aug-2024 02:11
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	13-Aug-2024 02:11
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Aug-2024 02:11
Dibenzofuran	**0.057**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
Fluoranthene	**0.0014**		**0.00010**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
Fluorene	**0.051**		**0.00030**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	13-Aug-2024 02:11
Naphthalene	**2.2**		**0.020**	**0.10**	**mg/L**	1000	17-Aug-2024 21:58
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Aug-2024 02:11
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	13-Aug-2024 02:11
Phenanthrene	**0.036**		**0.00021**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
Phenol	**0.0044**		**0.00035**	**0.0020**	**mg/L**	10	13-Aug-2024 02:11
Pyrene	**0.00062**	J	**0.00019**	**0.0010**	**mg/L**	10	13-Aug-2024 02:11
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*17-Aug-2024 21:58*
Surr: 2,4,6-Tribromophenol	*136*	*S*		*34-129*	*%REC*	*10*	*13-Aug-2024 02:11*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*13-Aug-2024 23:33*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*13-Aug-2024 23:33*
Surr: 2-Fluorobiphenyl	*96.8*			*40-125*	*%REC*	*10*	*13-Aug-2024 02:11*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*17-Aug-2024 21:58*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*17-Aug-2024 21:58*
Surr: 2-Fluorophenol	*84.1*			*20-120*	*%REC*	*10*	*13-Aug-2024 02:11*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Aug-2024 23:33*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*13-Aug-2024 23:33*
Surr: 4-Terphenyl-d14	*122*			*40-135*	*%REC*	*10*	*13-Aug-2024 02:11*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*17-Aug-2024 21:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18A-20240802
Collection Date: 02-Aug-2024 10:10

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*17-Aug-2024 21:58*
Surr: Nitrobenzene-d5	*82.6*			*41-120*	*%REC*	*10*	*13-Aug-2024 02:11*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*13-Aug-2024 23:33*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Aug-2024 23:33*
Surr: Phenol-d6	*91.6*			*20-120*	*%REC*	*10*	*13-Aug-2024 02:11*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*17-Aug-2024 21:58*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0233**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:23
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18C-20240802
Collection Date: 02-Aug-2024 11:30

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 17:49
2,4-Dimethylphenol	**0.011**		**0.00040**	**0.0020**	**mg/L**	10	13-Aug-2024 17:49
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Aug-2024 17:49
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Aug-2024 17:49
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 17:49
2-Methylnaphthalene	**1.6**		**0.095**	**0.50**	**mg/L**	5000	17-Aug-2024 21:35
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Aug-2024 17:49
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Aug-2024 17:49
Acenaphthene	**0.035**		**0.00027**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Acenaphthylene	**0.0013**		**0.00015**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Anthracene	**0.0059**		**0.00014**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	13-Aug-2024 17:49
Benzo(a)pyrene	**0.00021**	J	**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Aug-2024 17:49
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Aug-2024 17:49
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	13-Aug-2024 17:49
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Aug-2024 17:49
Dibenzofuran	**0.032**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Fluoranthene	**0.0051**		**0.00010**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Fluorene	**0.017**		**0.00030**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	13-Aug-2024 17:49
Naphthalene	**48**		**0.10**	**0.50**	**mg/L**	5000	17-Aug-2024 21:35
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Aug-2024 17:49
Pentachlorophenol	**0.0046**		**0.00079**	**0.0020**	**mg/L**	10	13-Aug-2024 17:49
Phenanthrene	**0.023**		**0.00021**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	13-Aug-2024 17:49
Pyrene	**0.0031**		**0.00019**	**0.0010**	**mg/L**	10	13-Aug-2024 17:49
Surr: 2,4,6-Tribromophenol	*126*			*34-129*	*%REC*	*10*	*13-Aug-2024 17:49*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*5000*	*17-Aug-2024 21:35*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*5000*	*17-Aug-2024 21:35*
Surr: 2-Fluorobiphenyl	*98.5*			*40-125*	*%REC*	*10*	*13-Aug-2024 17:49*
Surr: 2-Fluorophenol	*112*			*20-120*	*%REC*	*10*	*13-Aug-2024 17:49*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*5000*	*17-Aug-2024 21:35*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*5000*	*17-Aug-2024 21:35*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*10*	*13-Aug-2024 17:49*
Surr: Nitrobenzene-d5	*96.9*			*41-120*	*%REC*	*10*	*13-Aug-2024 17:49*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*5000*	*17-Aug-2024 21:35*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*5000*	*17-Aug-2024 21:35*
Surr: Phenol-d6	*90.3*			*20-120*	*%REC*	*10*	*13-Aug-2024 17:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18C-20240802
Collection Date: 02-Aug-2024 11:30

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00407**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:26
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW23C-20240802
Collection Date: 02-Aug-2024 12:35

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 02:34
2,4-Dimethylphenol	**0.023**		**0.00040**	**0.0020**	**mg/L**	10	13-Aug-2024 02:34
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Aug-2024 02:34
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Aug-2024 02:34
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 02:34
2-Methylnaphthalene	**0.15**		**0.0095**	**0.050**	**mg/L**	500	13-Aug-2024 23:10
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Aug-2024 02:34
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Aug-2024 02:34
Acenaphthene	**0.10**		**0.014**	**0.050**	**mg/L**	500	13-Aug-2024 23:10
Acenaphthylene	**0.0012**		**0.00015**	**0.0010**	**mg/L**	10	13-Aug-2024 02:34
Anthracene	**0.0068**		**0.00014**	**0.0010**	**mg/L**	10	13-Aug-2024 02:34
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	13-Aug-2024 02:34
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	13-Aug-2024 02:34
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Aug-2024 02:34
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Aug-2024 02:34
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	13-Aug-2024 02:34
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Aug-2024 02:34
Dibenzofuran	**0.093**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 02:34
Fluoranthene	**0.0057**		**0.00010**	**0.0010**	**mg/L**	10	13-Aug-2024 02:34
Fluorene	**0.050**		**0.00030**	**0.0010**	**mg/L**	10	13-Aug-2024 02:34
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	13-Aug-2024 02:34
Naphthalene	**2.1**		**0.010**	**0.050**	**mg/L**	500	13-Aug-2024 23:10
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Aug-2024 02:34
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	13-Aug-2024 02:34
Phenanthrene	**0.056**		**0.00021**	**0.0010**	**mg/L**	10	13-Aug-2024 02:34
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	13-Aug-2024 02:34
Pyrene	**0.0030**		**0.00019**	**0.0010**	**mg/L**	10	13-Aug-2024 02:34
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*500*	*13-Aug-2024 23:10*
Surr: 2,4,6-Tribromophenol	*113*			*34-129*	*%REC*	*10*	*13-Aug-2024 02:34*
Surr: 2-Fluorobiphenyl	*85.1*			*40-125*	*%REC*	*10*	*13-Aug-2024 02:34*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*500*	*13-Aug-2024 23:10*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*500*	*13-Aug-2024 23:10*
Surr: 2-Fluorophenol	*79.8*			*20-120*	*%REC*	*10*	*13-Aug-2024 02:34*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*10*	*13-Aug-2024 02:34*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*500*	*13-Aug-2024 23:10*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*500*	*13-Aug-2024 23:10*
Surr: Nitrobenzene-d5	*80.7*			*41-120*	*%REC*	*10*	*13-Aug-2024 02:34*
Surr: Phenol-d6	*80.5*			*20-120*	*%REC*	*10*	*13-Aug-2024 02:34*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*500*	*13-Aug-2024 23:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW23C-20240802
Collection Date: 02-Aug-2024 12:35

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00437**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:30
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-P11-20240802
Collection Date: 02-Aug-2024 14:25

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 22:43
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 22:43
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 22:43
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 22:43
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 22:43
2-Methylnaphthalene	**0.0045**		**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 22:43
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 22:43
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 22:43
Acenaphthene	**0.063**		**0.0027**	**0.010**	**mg/L**	100	13-Aug-2024 19:21
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 22:43
Anthracene	**0.0033**		**0.000014**	**0.00010**	**mg/L**	1	12-Aug-2024 22:43
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 22:43
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 22:43
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 22:43
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 22:43
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 22:43
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 22:43
Dibenzofuran	**0.025**		**0.0020**	**0.010**	**mg/L**	100	13-Aug-2024 19:21
Fluoranthene	**0.0037**		**0.000010**	**0.00010**	**mg/L**	1	12-Aug-2024 22:43
Fluorene	**0.030**		**0.0030**	**0.010**	**mg/L**	100	13-Aug-2024 19:21
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 22:43
Naphthalene	**0.14**		**0.0020**	**0.010**	**mg/L**	100	13-Aug-2024 19:21
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 22:43
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 22:43
Phenanthrene	**0.036**		**0.0021**	**0.010**	**mg/L**	100	13-Aug-2024 19:21
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 22:43
Pyrene	**0.0018**		**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 22:43
Surr: 2,4,6-Tribromophenol	*114*			*34-129*	*%REC*	*1*	*12-Aug-2024 22:43*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*13-Aug-2024 19:21*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*13-Aug-2024 19:21*
Surr: 2-Fluorobiphenyl	*82.9*			*40-125*	*%REC*	*1*	*12-Aug-2024 22:43*
Surr: 2-Fluorophenol	*72.5*			*20-120*	*%REC*	*1*	*12-Aug-2024 22:43*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Aug-2024 19:21*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*13-Aug-2024 19:21*
Surr: 4-Terphenyl-d14	*108*			*40-135*	*%REC*	*1*	*12-Aug-2024 22:43*
Surr: Nitrobenzene-d5	*74.9*			*41-120*	*%REC*	*1*	*12-Aug-2024 22:43*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*13-Aug-2024 19:21*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Aug-2024 19:21*
Surr: Phenol-d6	*82.3*			*20-120*	*%REC*	*1*	*12-Aug-2024 22:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-P11-20240802
Collection Date: 02-Aug-2024 14:25

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0562**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:01
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW05-20240802
Collection Date: 02-Aug-2024 15:10

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 23:06
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 23:06
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 23:06
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 23:06
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 23:06
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 23:06
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 23:06
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 23:06
Acenaphthene	**0.00042**		**0.000027**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 23:06
Anthracene	**0.000039**	J	**0.000014**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 23:06
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 23:06
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 23:06
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 23:06
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 23:06
Di-n-butyl phthalate	**0.000050**	J	**0.000020**	**0.00020**	**mg/L**	1	12-Aug-2024 23:06
Dibenzofuran	**0.000044**	J	**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
Fluoranthene	**0.000033**	J	**0.000010**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
Fluorene	**0.000057**	J	**0.000030**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 23:06
Naphthalene	**0.00012**		**0.000020**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 23:06
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 23:06
Phenanthrene	**0.000071**	J	**0.000021**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 23:06
Pyrene	**0.00039**		**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 23:06
Surr: 2,4,6-Tribromophenol	*124*			*34-129*	*%REC*	*1*	*12-Aug-2024 23:06*
Surr: 2-Fluorobiphenyl	*89.7*			*40-125*	*%REC*	*1*	*12-Aug-2024 23:06*
Surr: 2-Fluorophenol	*74.2*			*20-120*	*%REC*	*1*	*12-Aug-2024 23:06*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*1*	*12-Aug-2024 23:06*
Surr: Nitrobenzene-d5	*74.5*			*41-120*	*%REC*	*1*	*12-Aug-2024 23:06*
Surr: Phenol-d6	*85.8*			*20-120*	*%REC*	*1*	*12-Aug-2024 23:06*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0134**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:33
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB05-20240802
Collection Date: 02-Aug-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 23:29
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 23:29
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 23:29
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 23:29
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 23:29
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 23:29
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 23:29
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 23:29
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Aug-2024 23:29
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Aug-2024 23:29
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Aug-2024 23:29
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 23:29
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 23:29
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 23:29
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 23:29
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 23:29
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 23:29
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 23:29
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Aug-2024 23:29
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Aug-2024 23:29
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 23:29
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 23:29
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 23:29
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 23:29
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 23:29
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 23:29
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Aug-2024 23:29
Surr: 2,4,6-Tribromophenol	*91.3*			*34-129*	*%REC*	*1*	*12-Aug-2024 23:29*
Surr: 2-Fluorobiphenyl	*80.8*			*40-125*	*%REC*	*1*	*12-Aug-2024 23:29*
Surr: 2-Fluorophenol	*69.7*			*20-120*	*%REC*	*1*	*12-Aug-2024 23:29*
Surr: 4-Terphenyl-d14	*85.9*			*40-135*	*%REC*	*1*	*12-Aug-2024 23:29*
Surr: Nitrobenzene-d5	*69.3*			*41-120*	*%REC*	*1*	*12-Aug-2024 23:29*
Surr: Phenol-d6	*76.4*			*20-120*	*%REC*	*1*	*12-Aug-2024 23:29*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	07-Aug-2024 22:35
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW86C-20240802
Collection Date: 02-Aug-2024 09:32

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 18:35
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	13-Aug-2024 18:35
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	13-Aug-2024 18:35
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	13-Aug-2024 18:35
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	13-Aug-2024 18:35
2-Methylnaphthalene	**0.000064**	J	**0.000019**	**0.00010**	**mg/L**	1	13-Aug-2024 18:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	13-Aug-2024 18:35
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	13-Aug-2024 18:35
Acenaphthene	**0.000039**	J	**0.000027**	**0.00010**	**mg/L**	1	13-Aug-2024 18:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	13-Aug-2024 18:35
Anthracene	**0.00013**		**0.000014**	**0.00010**	**mg/L**	1	13-Aug-2024 18:35
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	13-Aug-2024 18:35
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	13-Aug-2024 18:35
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	13-Aug-2024 18:35
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	13-Aug-2024 18:35
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	13-Aug-2024 18:35
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	13-Aug-2024 18:35
Dibenzofuran	**0.000049**	J	**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 18:35
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	13-Aug-2024 18:35
Fluorene	**0.000051**	J	**0.000030**	**0.00010**	**mg/L**	1	13-Aug-2024 18:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	13-Aug-2024 18:35
Naphthalene	**0.00036**		**0.000020**	**0.00010**	**mg/L**	1	13-Aug-2024 18:35
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	13-Aug-2024 18:35
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	13-Aug-2024 18:35
Phenanthrene	**0.00010**		**0.000021**	**0.00010**	**mg/L**	1	13-Aug-2024 18:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	13-Aug-2024 18:35
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	13-Aug-2024 18:35
Surr: 2,4,6-Tribromophenol	*100*			*34-129*	*%REC*	*1*	*13-Aug-2024 18:35*
Surr: 2-Fluorobiphenyl	*85.9*			*40-125*	*%REC*	*1*	*13-Aug-2024 18:35*
Surr: 2-Fluorophenol	*70.5*			*20-120*	*%REC*	*1*	*13-Aug-2024 18:35*
Surr: 4-Terphenyl-d14	*101*			*40-135*	*%REC*	*1*	*13-Aug-2024 18:35*
Surr: Nitrobenzene-d5	*72.2*			*41-120*	*%REC*	*1*	*13-Aug-2024 18:35*
Surr: Phenol-d6	*80.8*			*20-120*	*%REC*	*1*	*13-Aug-2024 18:35*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	07-Aug-2024 22:38
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW49A-20240802
Collection Date: 02-Aug-2024 11:05

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 03:20
2,4-Dimethylphenol	**0.0036**		**0.00040**	**0.0020**	**mg/L**	10	13-Aug-2024 03:20
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Aug-2024 03:20
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Aug-2024 03:20
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 03:20
2-Methylnaphthalene	**0.0058**		**0.00019**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Aug-2024 03:20
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Aug-2024 03:20
Acenaphthene	**0.020**		**0.00027**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Acenaphthylene	**0.00042**	J	**0.00015**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Anthracene	**0.0055**		**0.00014**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Benz(a)anthracene	**0.0017**		**0.00050**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Benzo(a)pyrene	**0.00060**	J	**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Aug-2024 03:20
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Aug-2024 03:20
Chrysene	**0.0018**		**0.00021**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Aug-2024 03:20
Dibenzofuran	**0.014**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Fluoranthene	**0.012**		**0.00010**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Fluorene	**0.017**		**0.00030**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	13-Aug-2024 03:20
Naphthalene	**0.0093**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Aug-2024 03:20
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	13-Aug-2024 03:20
Phenanthrene	**0.027**		**0.00021**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	13-Aug-2024 03:20
Pyrene	**0.0069**		**0.00019**	**0.0010**	**mg/L**	10	13-Aug-2024 03:20
Surr: 2,4,6-Tribromophenol	*113*			*34-129*	*%REC*	*10*	*13-Aug-2024 03:20*
Surr: 2-Fluorobiphenyl	*85.2*			*40-125*	*%REC*	*10*	*13-Aug-2024 03:20*
Surr: 2-Fluorophenol	*68.2*			*20-120*	*%REC*	*10*	*13-Aug-2024 03:20*
Surr: 4-Terphenyl-d14	*113*			*40-135*	*%REC*	*10*	*13-Aug-2024 03:20*
Surr: Nitrobenzene-d5	*68.8*			*41-120*	*%REC*	*10*	*13-Aug-2024 03:20*
Surr: Phenol-d6	*78.4*			*20-120*	*%REC*	*10*	*13-Aug-2024 03:20*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00418**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:40
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12B-20240802
Collection Date: 02-Aug-2024 13:20

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 17:25
2,4-Dimethylphenol	**0.038**		**0.00040**	**0.0020**	**mg/L**	10	13-Aug-2024 17:25
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Aug-2024 17:25
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Aug-2024 17:25
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Aug-2024 17:25
2-Methylnaphthalene	**0.13**		**0.00095**	**0.0050**	**mg/L**	50	17-Aug-2024 21:12
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Aug-2024 17:25
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Aug-2024 17:25
Acenaphthene	**0.092**		**0.00027**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Acenaphthylene	**0.0039**		**0.00015**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Anthracene	**0.020**		**0.00014**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Benz(a)anthracene	**0.0058**		**0.00050**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Benzo(a)pyrene	**0.0015**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Aug-2024 17:25
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Aug-2024 17:25
Chrysene	**0.0047**		**0.00021**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Aug-2024 17:25
Dibenzofuran	**0.079**		**0.00020**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Fluoranthene	**0.044**		**0.00010**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Fluorene	**0.085**		**0.00030**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	13-Aug-2024 17:25
Naphthalene	**0.64**		**0.0020**	**0.010**	**mg/L**	100	19-Aug-2024 18:28
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Aug-2024 17:25
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	13-Aug-2024 17:25
Phenanthrene	**0.14**		**0.0010**	**0.0050**	**mg/L**	50	17-Aug-2024 21:12
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	13-Aug-2024 17:25
Pyrene	**0.023**		**0.00019**	**0.0010**	**mg/L**	10	13-Aug-2024 17:25
Surr: 2,4,6-Tribromophenol	*112*			*34-129*	*%REC*	*10*	*13-Aug-2024 17:25*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*50*	*17-Aug-2024 21:12*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*19-Aug-2024 18:28*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*19-Aug-2024 18:28*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*50*	*17-Aug-2024 21:12*
Surr: 2-Fluorobiphenyl	*80.0*			*40-125*	*%REC*	*10*	*13-Aug-2024 17:25*
Surr: 2-Fluorophenol	*65.9*			*20-120*	*%REC*	*10*	*13-Aug-2024 17:25*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*50*	*17-Aug-2024 21:12*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 18:28*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*19-Aug-2024 18:28*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*50*	*17-Aug-2024 21:12*
Surr: 4-Terphenyl-d14	*128*			*40-135*	*%REC*	*10*	*13-Aug-2024 17:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12B-20240802
Collection Date: 02-Aug-2024 13:20

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
Surr: Nitrobenzene-d5	*64.3*			*41-120*	*%REC*	*10*	*13-Aug-2024 17:25*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*50*	*17-Aug-2024 21:12*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*19-Aug-2024 18:28*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 18:28*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*50*	*17-Aug-2024 21:12*
Surr: Phenol-d6	*74.1*			*20-120*	*%REC*	*10*	*13-Aug-2024 17:25*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0535**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:42
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TW41B-20240802
Collection Date: 02-Aug-2024 14:32

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 23:52
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Aug-2024 23:52
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Aug-2024 23:52
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Aug-2024 23:52
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Aug-2024 23:52
2-Methylnaphthalene	**0.071**		**0.0019**	**0.010**	**mg/L**	100	13-Aug-2024 20:07
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Aug-2024 23:52
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Aug-2024 23:52
Acenaphthene	**0.11**		**0.0027**	**0.010**	**mg/L**	100	13-Aug-2024 20:07
Acenaphthylene	**0.0012**		**0.000015**	**0.00010**	**mg/L**	1	12-Aug-2024 23:52
Anthracene	**0.0044**		**0.000014**	**0.00010**	**mg/L**	1	12-Aug-2024 23:52
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Aug-2024 23:52
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Aug-2024 23:52
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Aug-2024 23:52
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Aug-2024 23:52
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Aug-2024 23:52
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Aug-2024 23:52
Dibenzofuran	**0.060**		**0.0020**	**0.010**	**mg/L**	100	13-Aug-2024 20:07
Fluoranthene	**0.0034**		**0.000010**	**0.00010**	**mg/L**	1	12-Aug-2024 23:52
Fluorene	**0.064**		**0.0030**	**0.010**	**mg/L**	100	13-Aug-2024 20:07
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Aug-2024 23:52
Naphthalene	**0.17**		**0.0020**	**0.010**	**mg/L**	100	13-Aug-2024 20:07
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Aug-2024 23:52
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Aug-2024 23:52
Phenanthrene	**0.032**		**0.0021**	**0.010**	**mg/L**	100	13-Aug-2024 20:07
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Aug-2024 23:52
Pyrene	**0.0014**		**0.000019**	**0.00010**	**mg/L**	1	12-Aug-2024 23:52
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*13-Aug-2024 20:07*
Surr: 2,4,6-Tribromophenol	*126*			*34-129*	*%REC*	*1*	*12-Aug-2024 23:52*
Surr: 2-Fluorobiphenyl	*72.6*			*40-125*	*%REC*	*1*	*12-Aug-2024 23:52*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*13-Aug-2024 20:07*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Aug-2024 20:07*
Surr: 2-Fluorophenol	*60.0*			*20-120*	*%REC*	*1*	*12-Aug-2024 23:52*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*12-Aug-2024 23:52*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*13-Aug-2024 20:07*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*13-Aug-2024 20:07*
Surr: Nitrobenzene-d5	*64.5*			*41-120*	*%REC*	*1*	*12-Aug-2024 23:52*
Surr: Phenol-d6	*70.1*			*20-120*	*%REC*	*1*	*12-Aug-2024 23:52*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Aug-2024 20:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TW41B-20240802
Collection Date: 02-Aug-2024 14:32

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0909**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:50
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW41B-20240802
Collection Date: 02-Aug-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 19:14
2,4-Dimethylphenol	**0.016**	J	**0.0040**	**0.020**	**mg/L**	100	19-Aug-2024 19:14
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	19-Aug-2024 19:14
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	19-Aug-2024 19:14
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 19:14
2-Methylnaphthalene	**0.23**		**0.0019**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	19-Aug-2024 19:14
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	19-Aug-2024 19:14
Acenaphthene	**0.16**		**0.0027**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
Acenaphthylene	**0.0031**	J	**0.0015**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
Anthracene	**0.014**		**0.0014**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	19-Aug-2024 19:14
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	19-Aug-2024 19:14
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	19-Aug-2024 19:14
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	19-Aug-2024 19:14
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	19-Aug-2024 19:14
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	19-Aug-2024 19:14
Dibenzofuran	**0.092**		**0.0020**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
Fluoranthene	**0.020**		**0.0010**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
Fluorene	**0.056**		**0.0030**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	19-Aug-2024 19:14
Naphthalene	**4.8**		**0.020**	**0.10**	**mg/L**	1000	19-Aug-2024 15:46
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	19-Aug-2024 19:14
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	19-Aug-2024 19:14
Phenanthrene	**0.12**		**0.0021**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
Phenol	< 0.0035		0.0035	0.020	mg/L	100	19-Aug-2024 19:14
Pyrene	**0.0071**	J	**0.0019**	**0.010**	**mg/L**	100	19-Aug-2024 19:14
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*19-Aug-2024 19:14*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*19-Aug-2024 15:46*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*19-Aug-2024 15:46*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*19-Aug-2024 19:14*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 19:14*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*19-Aug-2024 15:46*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*19-Aug-2024 15:46*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*19-Aug-2024 19:14*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*19-Aug-2024 15:46*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*19-Aug-2024 19:14*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 19:14*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*19-Aug-2024 15:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW41B-20240802
Collection Date: 02-Aug-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24080318
Lab ID:HS24080318-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0848**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:52
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	19-Aug-2024 08:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

Batch ID: 215895 **Start Date:** 07 Aug 2024 10:00 **End Date:** 07 Aug 2024 10:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080318-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080318-12		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215948 **Start Date:** 08 Aug 2024 12:42 **End Date:** 08 Aug 2024 12:42
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080318-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080318-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215895 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24080318-01	WG-1620-MW58A-20240802	02 Aug 2024 08:45		07 Aug 2024 10:00	07 Aug 2024 22:21	1
HS24080318-02	WG-1620-MW18A-20240802	02 Aug 2024 10:10		07 Aug 2024 10:00	07 Aug 2024 22:23	1
HS24080318-03	WG-1620-MW18C-20240802	02 Aug 2024 11:30		07 Aug 2024 10:00	07 Aug 2024 22:26	1
HS24080318-04	WG-1620-MW23C-20240802	02 Aug 2024 12:35		07 Aug 2024 10:00	07 Aug 2024 22:30	1
HS24080318-05	WG-1620-P11-20240802	02 Aug 2024 14:25		07 Aug 2024 10:00	07 Aug 2024 22:01	1
HS24080318-06	WG-1620-MW05-20240802	02 Aug 2024 15:10		07 Aug 2024 10:00	07 Aug 2024 22:33	1
HS24080318-07	WG-1620-FB05-20240802	02 Aug 2024 15:30		07 Aug 2024 10:00	07 Aug 2024 22:35	1
HS24080318-08	WG-1620-MW86C-20240802	02 Aug 2024 09:32		07 Aug 2024 10:00	07 Aug 2024 22:38	1
HS24080318-09	WG-1620-MW49A-20240802	02 Aug 2024 11:05		07 Aug 2024 10:00	07 Aug 2024 22:40	1
HS24080318-10	WG-1620-MW12B-20240802	02 Aug 2024 13:20		07 Aug 2024 10:00	07 Aug 2024 22:42	1
HS24080318-11	WG-1620-TW41B-20240802	02 Aug 2024 14:32		07 Aug 2024 10:00	07 Aug 2024 22:50	1
HS24080318-12	WG-1620-MW41B-20240802	02 Aug 2024 15:30		07 Aug 2024 10:00	07 Aug 2024 22:52	1
Batch ID: 215948 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24080318-01	WG-1620-MW58A-20240802	02 Aug 2024 08:45		08 Aug 2024 12:42	13 Aug 2024 18:58	20
HS24080318-01	WG-1620-MW58A-20240802	02 Aug 2024 08:45		08 Aug 2024 12:42	12 Aug 2024 22:20	1
HS24080318-02	WG-1620-MW18A-20240802	02 Aug 2024 10:10		08 Aug 2024 12:42	17 Aug 2024 21:58	1000
HS24080318-02	WG-1620-MW18A-20240802	02 Aug 2024 10:10		08 Aug 2024 12:42	13 Aug 2024 23:33	100
HS24080318-02	WG-1620-MW18A-20240802	02 Aug 2024 10:10		08 Aug 2024 12:42	13 Aug 2024 02:11	10
HS24080318-03	WG-1620-MW18C-20240802	02 Aug 2024 11:30		08 Aug 2024 12:42	17 Aug 2024 21:35	5000
HS24080318-03	WG-1620-MW18C-20240802	02 Aug 2024 11:30		08 Aug 2024 12:42	13 Aug 2024 17:49	10
HS24080318-04	WG-1620-MW23C-20240802	02 Aug 2024 12:35		08 Aug 2024 12:42	13 Aug 2024 23:10	500
HS24080318-04	WG-1620-MW23C-20240802	02 Aug 2024 12:35		08 Aug 2024 12:42	13 Aug 2024 02:34	10
HS24080318-05	WG-1620-P11-20240802	02 Aug 2024 14:25		08 Aug 2024 12:42	13 Aug 2024 19:21	100
HS24080318-05	WG-1620-P11-20240802	02 Aug 2024 14:25		08 Aug 2024 12:42	12 Aug 2024 22:43	1
HS24080318-06	WG-1620-MW05-20240802	02 Aug 2024 15:10		08 Aug 2024 12:42	12 Aug 2024 23:06	1
HS24080318-07	WG-1620-FB05-20240802	02 Aug 2024 15:30		08 Aug 2024 12:42	12 Aug 2024 23:29	1
HS24080318-08	WG-1620-MW86C-20240802	02 Aug 2024 09:32		08 Aug 2024 12:42	13 Aug 2024 18:35	1
HS24080318-09	WG-1620-MW49A-20240802	02 Aug 2024 11:05		08 Aug 2024 12:42	13 Aug 2024 03:20	10
HS24080318-10	WG-1620-MW12B-20240802	02 Aug 2024 13:20		08 Aug 2024 12:42	19 Aug 2024 18:28	100
HS24080318-10	WG-1620-MW12B-20240802	02 Aug 2024 13:20		08 Aug 2024 12:42	17 Aug 2024 21:12	50
HS24080318-10	WG-1620-MW12B-20240802	02 Aug 2024 13:20		08 Aug 2024 12:42	13 Aug 2024 17:25	10
HS24080318-11	WG-1620-TW41B-20240802	02 Aug 2024 14:32		08 Aug 2024 12:42	13 Aug 2024 20:07	100
HS24080318-11	WG-1620-TW41B-20240802	02 Aug 2024 14:32		08 Aug 2024 12:42	12 Aug 2024 23:52	1
HS24080318-12	WG-1620-MW41B-20240802	02 Aug 2024 15:30		08 Aug 2024 12:42	19 Aug 2024 19:14	100
HS24080318-12	WG-1620-MW41B-20240802	02 Aug 2024 15:30		08 Aug 2024 12:42	19 Aug 2024 15:46	1000

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R474827 (0)	**Test Name :** SUBCONTRACT ANALYSIS -VOC ANALYSIS				**Matrix:** Groundwater	
HS24080318-01	WG-1620-MW58A-20240802	02 Aug 2024 08:45			19 Aug 2024 08:43	1
HS24080318-02	WG-1620-MW18A-20240802	02 Aug 2024 10:10			19 Aug 2024 08:43	1
HS24080318-03	WG-1620-MW18C-20240802	02 Aug 2024 11:30			19 Aug 2024 08:43	1
HS24080318-04	WG-1620-MW23C-20240802	02 Aug 2024 12:35			19 Aug 2024 08:43	1
HS24080318-05	WG-1620-P11-20240802	02 Aug 2024 14:25			19 Aug 2024 08:43	1
HS24080318-06	WG-1620-MW05-20240802	02 Aug 2024 15:10			19 Aug 2024 08:43	1
HS24080318-07	WG-1620-FB05-20240802	02 Aug 2024 15:30			19 Aug 2024 08:43	1
HS24080318-08	WG-1620-MW86C-20240802	02 Aug 2024 09:32			19 Aug 2024 08:43	1
HS24080318-09	WG-1620-MW49A-20240802	02 Aug 2024 11:05			19 Aug 2024 08:43	1
HS24080318-10	WG-1620-MW12B-20240802	02 Aug 2024 13:20			19 Aug 2024 08:43	1
HS24080318-11	WG-1620-TW41B-20240802	02 Aug 2024 14:32			19 Aug 2024 08:43	1
HS24080318-12	WG-1620-MW41B-20240802	02 Aug 2024 15:30			19 Aug 2024 08:43	1

WorkOrder: HS24080318
InstrumentID: ICPMS07
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.0100	0.00965	0.000400	0.00200

WorkOrder: HS24080318
InstrumentID: SV-8
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000055	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000047	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000044	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000045	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000061	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000060	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00035	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000046	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.00014	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.00014	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.00014	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.00014	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.00012	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000059	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000048	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.00016	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000055	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.00014	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.00014	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000056	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.00014	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000069	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000050	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.00014	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000061	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.00014	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080318
InstrumentID: Subcontract
Test Code: SUB_VOC
Test Number: SUBCONTRACT
Test Name: Subcontract Analysis -VOC

METHOD DETECTION / REPORTING LIMITS

Matrix: NA **Units:** NA

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Subcontracted Analyses		0	0	0	0

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

QC BATCH REPORT

Batch ID: 215895 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215895** Units: **mg/L** Analysis Date: **07-Aug-2024 21:56**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180830** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215895** Units: **mg/L** Analysis Date: **07-Aug-2024 21:59**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180831** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04895	0.00200	0.05	0	97.9	80 - 120				

MS Sample ID: **HS24080318-05MS** Units: **mg/L** Analysis Date: **07-Aug-2024 22:06**
Client ID: **WG-1620-P11-20240802** Run ID: **ICPMS07_473903** SeqNo: **8180794** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1013	0.00200	0.05	0.05619	90.1	80 - 120				

MSD Sample ID: **HS24080318-05MSD** Units: **mg/L** Analysis Date: **07-Aug-2024 22:09**
Client ID: **WG-1620-P11-20240802** Run ID: **ICPMS07_473903** SeqNo: **8180795** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1091	0.00200	0.05	0.05619	106	80 - 120	0.1013	7.5	20	

PDS Sample ID: **HS24080318-05PDS** Units: **mg/L** Analysis Date: **07-Aug-2024 22:11**
Client ID: **WG-1620-P11-20240802** Run ID: **ICPMS07_473903** SeqNo: **8180796** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1531	0.00200	0.1	0.05619	96.9	75 - 125				

SD Sample ID: **HS24080318-05SD** Units: **mg/L** Analysis Date: **07-Aug-2024 22:04**
Client ID: **WG-1620-P11-20240802** Run ID: **ICPMS07_473903** SeqNo: **8180793** PrepDate: **07-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.05514	0.0100					0.05619	1.86	10	

The following samples were analyzed in this batch:

HS24080318-01	HS24080318-02	HS24080318-03	HS24080318-04
HS24080318-05	HS24080318-06	HS24080318-07	HS24080318-08
HS24080318-09	HS24080318-10	HS24080318-11	HS24080318-12

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

QC BATCH REPORT

Batch ID: 215948 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215948** Units: **ug/L** Analysis Date: **12-Aug-2024 16:42**
Client ID: Run ID: **SV-8_474377** SeqNo: **8190403** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*4.787*	*0.20*	*5*	*0*	*95.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.361*	*0.20*	*5*	*0*	*87.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.777*	*0.20*	*5*	*0*	*75.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.815*	*0.20*	*5*	*0*	*96.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.701*	*0.20*	*5*	*0*	*74.0*	*41 - 120*				
Surr: Phenol-d6	*4.163*	*0.20*	*5*	*0*	*83.3*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

QC BATCH REPORT

Batch ID: 215948 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215948** Units: **ug/L** Analysis Date: **12-Aug-2024 17:28**
Client ID: Run ID: **SV-8_474377** SeqNo: **8190404** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.886	0.20	5	0	77.7	39 - 127				
2,4-Dimethylphenol	3.355	0.20	5	0	67.1	35 - 120				
2,4-Dinitrotoluene	4.678	0.20	5	0	93.6	50 - 122				
2,6-Dinitrotoluene	4.651	0.20	5	0	93.0	50 - 120				
2-Chloronaphthalene	4.483	0.20	5	0	89.7	50 - 120				
2-Methylnaphthalene	4.221	0.10	5	0	84.4	50 - 120				
4,6-Dinitro-2-methylphenol	4.181	1.0	5	0	83.6	25 - 121				
4-Nitrophenol	4.126	1.0	5	0	82.5	30 - 130				
Acenaphthene	3.967	0.10	5	0	79.3	45 - 120				
Acenaphthylene	4.033	0.10	5	0	80.7	47 - 120				
Anthracene	4.123	0.10	5	0	82.5	45 - 120				
Benz(a)anthracene	4.361	0.10	5	0	87.2	40 - 120				
Benzo(a)pyrene	4.592	0.10	5	0	91.8	45 - 120				
Bis(2-chloroethoxy)methane	3.778	0.20	5	0	75.6	45 - 120				
Bis(2-ethylhexyl)phthalate	4.457	0.20	5	0	89.1	40 - 139				
Chrysene	4.263	0.10	5	0	85.3	43 - 120				
Dibenzofuran	4.128	0.10	5	0	82.6	50 - 120				
Di-n-butyl phthalate	4.382	0.20	5	0	87.6	45 - 123				
Fluoranthene	4.251	0.10	5	0	85.0	45 - 125				
Fluorene	4.387	0.10	5	0	87.7	49 - 120				
Naphthalene	3.758	0.10	5	0	75.2	45 - 120				
Nitrobenzene	3.608	0.20	5	0	72.2	44 - 120				
N-Nitrosodiphenylamine	4.132	0.20	5	0	82.6	40 - 125				
Pentachlorophenol	4.124	0.20	5	0	82.5	19 - 121				
Phenanthrene	3.935	0.10	5	0	78.7	45 - 121				
Phenol	3.877	0.20	5	0	77.5	20 - 124				
Pyrene	4.227	0.10	5	0	84.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.83*	*0.20*	*5*	*0*	*117*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.862*	*0.20*	*5*	*0*	*97.2*	*40 - 125*				
Surr: 2-Fluorophenol	*4.043*	*0.20*	*5*	*0*	*80.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.351*	*0.20*	*5*	*0*	*107*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.965*	*0.20*	*5*	*0*	*79.3*	*41 - 120*				
Surr: Phenol-d6	*4.53*	*0.20*	*5*	*0*	*90.6*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

QC BATCH REPORT

Batch ID: 215948 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215948** Units: **ug/L** Analysis Date: **12-Aug-2024 17:52**
Client ID: Run ID: **SV-8_474377** SeqNo: **8190405** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.987	0.20	5	0	79.7	39 - 127	3.886	2.56	20	
2,4-Dimethylphenol	3.458	0.20	5	0	69.2	35 - 120	3.355	3.05	20	
2,4-Dinitrotoluene	4.695	0.20	5	0	93.9	50 - 122	4.678	0.376	20	
2,6-Dinitrotoluene	4.518	0.20	5	0	90.4	50 - 120	4.651	2.9	20	
2-Chloronaphthalene	4.476	0.20	5	0	89.5	50 - 120	4.483	0.155	20	
2-Methylnaphthalene	4.195	0.10	5	0	83.9	50 - 120	4.221	0.597	20	
4,6-Dinitro-2-methylphenol	4.302	1.0	5	0	86.0	25 - 121	4.181	2.85	30	
4-Nitrophenol	4.073	1.0	5	0	81.5	30 - 130	4.126	1.29	20	
Acenaphthene	3.944	0.10	5	0	78.9	45 - 120	3.967	0.586	20	
Acenaphthylene	4.002	0.10	5	0	80.0	47 - 120	4.033	0.778	20	
Anthracene	4.174	0.10	5	0	83.5	45 - 120	4.123	1.23	20	
Benz(a)anthracene	4.316	0.10	5	0	86.3	40 - 120	4.361	1.04	20	
Benzo(a)pyrene	4.55	0.10	5	0	91.0	45 - 120	4.592	0.929	20	
Bis(2-chloroethoxy)methane	3.79	0.20	5	0	75.8	45 - 120	3.778	0.317	20	
Bis(2-ethylhexyl)phthalate	4.428	0.20	5	0	88.6	40 - 139	4.457	0.653	20	
Chrysene	4.334	0.10	5	0	86.7	43 - 120	4.263	1.66	20	
Dibenzofuran	4.111	0.10	5	0	82.2	50 - 120	4.128	0.413	20	
Di-n-butyl phthalate	4.48	0.20	5	0	89.6	45 - 123	4.382	2.2	20	
Fluoranthene	4.324	0.10	5	0	86.5	45 - 125	4.251	1.69	20	
Fluorene	4.318	0.10	5	0	86.4	49 - 120	4.387	1.6	20	
Naphthalene	3.81	0.10	5	0	76.2	45 - 120	3.758	1.39	20	
Nitrobenzene	3.621	0.20	5	0	72.4	44 - 120	3.608	0.344	20	
N-Nitrosodiphenylamine	4.222	0.20	5	0	84.4	40 - 125	4.132	2.15	20	
Pentachlorophenol	4.244	0.20	5	0	84.9	19 - 121	4.124	2.87	20	
Phenanthrene	4.081	0.10	5	0	81.6	45 - 121	3.935	3.65	20	
Phenol	3.871	0.20	5	0	77.4	20 - 124	3.877	0.145	20	
Pyrene	4.192	0.10	5	0	83.8	40 - 130	4.227	0.839	20	
Surr: 2,4,6-Tribromophenol	*5.931*	*0.20*	*5*	*0*	*119*	*34 - 129*	*5.83*	*1.72*	*20*	
Surr: 2-Fluorobiphenyl	*4.805*	*0.20*	*5*	*0*	*96.1*	*40 - 125*	*4.862*	*1.19*	*20*	
Surr: 2-Fluorophenol	*4.042*	*0.20*	*5*	*0*	*80.8*	*20 - 120*	*4.043*	*0.00522*	*20*	
Surr: 4-Terphenyl-d14	*5.364*	*0.20*	*5*	*0*	*107*	*40 - 135*	*5.351*	*0.236*	*20*	
Surr: Nitrobenzene-d5	*4.049*	*0.20*	*5*	*0*	*81.0*	*41 - 120*	*3.965*	*2.1*	*20*	
Surr: Phenol-d6	*4.524*	*0.20*	*5*	*0*	*90.5*	*20 - 120*	*4.53*	*0.127*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080318

QC BATCH REPORT

Batch ID: 215948 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24080318-01	HS24080318-02	HS24080318-03	HS24080318-04
HS24080318-05	HS24080318-06	HS24080318-07	HS24080318-08
HS24080318-09	HS24080318-10	HS24080318-11	HS24080318-12

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24080318**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24080318 **Date/Time Received:** **02-Aug-2024 17:55**

Client Name: PBW **Received by:** **Si Ma**

Completed By:	/S/ Armand Morgan	06-Aug-2024 10:22	**Reviewed by:**	/S/ salina zaid	07-Aug-2024 17:14
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **Client**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:058760/320560
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	5.0UC/5.0C 1.8UC/1.8C	IR 35
Cooler(s)/Kit(s):	48185/52526	
Date/Time sample(s) sent to storage:	08/06/24 10:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Log in Notes :Sample WG-1620-FB05-20240802 @ 1530 COC states 2 bottles however collected 6 bottles in cooler

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
Spring City, PA +1 610 948 4903
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Chain of Custody Form

COC ID: 058760

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR / Kevin Peterburs	Project Name	Houston TX-Wood Preserve Works	A	8260-LL-W (8260 VOC (8))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270-Low-W (SVOC select list (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad - AP	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	Vinyl Chlorids
Address	1601 S. Mopac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0750	G	
Phone	512 671 3434	Phone		H	
Fax	512 671 3446	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24080318
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	Old
1	WG-1620-MW58A-20240802	8/2/24	845	GW	HNO3, 8	6	X	X	X		
2	WG-1620-MW18A-20240802		1010			6	X	X	X	X	
3	WG-1620-MW18C-20240802		1130			6	X	X	X		
4	WG-1620-MW23C-20240802		1235			6	X	X	X		
5	WG-1620-P11-20240802		1425			6	X	X	X		
6	WG-1620-MW05-20240802	8/2/24	1510	GW	HNO3, 8	6	X	X	X		
7	WG-1620-FB05-20240802	8/2/24	1530	W	—	2	X	X	X		
8											
9											
10											

Sampler(s) Please Print & Sign: Leon St Rose

Shipment Method:

Turnaround Time in Business Days (BD): ☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD

Results Due Date:

Relinquished by:	Date: 8/2/24	Time: 1755	Received by:	Notes:	
Relinquished by:	Date:	Time:	Received by (Laboratory): GM 08/02/24 17:55	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	48185	5.0
				52526	1.8

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Date ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Spring City, PA +1 610 948 4903
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South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 320560

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 68179-0750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ericmatzner@aimsolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24080318
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW86C-20240802	8-2-24	0932	GW	1,2,8	6	X	X	X								
2	WG-1620-MW49A-20240802		1105	GW			X	X	X								
3	WG-1620-MW12B-20240802		1320	GW			X	X	X								
4	WG-1620-TW41B-20240802		1432	GW			X	X	X								
5	WG-1620-MW41B-20240802		1530	GW			X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Dominic Baptiste Dominic Baptiste
Shipment Method: Drop off
Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour
Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes: UPRR HWPW 1620-21
Dominic Baptiste	8/2/24	1755		
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp.
			GM 08/02/24 17:55	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check One Box Below)
☐ Level II: Std QC
☐ Level III: Std QC/Raw Data
☐ Level IV: SW846 QC
☐ Other
☒ UPRR Checklist
☐ TRRP Checklist

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Luis Aguilar
ALS Group USA Corp
10450 Stancliff Rd.
Suite 210
Houston, Texas 77099

Generated 8/19/2024 7:35:17 AM

JOB DESCRIPTION

HS24080318

JOB NUMBER

860-80414-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

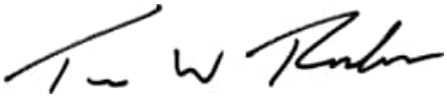
Eurofins Houston

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Travis Richter, Project Manager
Travis.Richter@et.eurofinsus.com
(281)794-7216

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Definitions/Glossary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method 8260D Detection Limit Validation

Laboratory Eurofins Houston

Preparation Method: 5030C MDLV

Limit Group MSV - 8260_C-D_624.1 - Water - ALL

Analysis Dates: 2/14/2024 to 6/28/2024

Analyte

1,1,1,2-Tetrachloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000644	0.001	0.000644	0.0008	mg/L	1.2	0.00255	0.0028811	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078177	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084891	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105605	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00155385	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00202608	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00210438	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00253873	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950618	mg/L	Pass

1,1,1-Trichloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000585	0.005	0.000585	0.0008	mg/L	1.4	0.00202	0.0028022	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078805	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077835	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105261	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158724	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00259523	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075990	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116643	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00982708	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111373	mg/L	Pass

1,1,2,2-Tetrachloroethane

Current		Calculations								*MDLV used - 145268-9* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000470	0.001	0.000470	0.0008	mg/L	1.7	0.00200	0.0032193	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00070005	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00092188	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091834	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00094725	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00113903	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00164881	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061450	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130911	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01112902	mg/L	Pass

Analyte

1,1,2-Trichloro-1,2,2-trifluoroethane

Current MDL	Current RL
0.001110	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001110	0.001	mg/L	.9	0.00219	0.0030628	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00052323	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112963	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00360363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00251545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00045179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00062476	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00115745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00978660	mg/L	Pass

1,1,2-Trichloroethane

Current MDL	Current RL
0.000411	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00219	0.0034347	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079672	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066845	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118506	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01066064	mg/L	Pass

1,1-Dichloroethane

Current MDL	Current RL
0.000635	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000635	0.0008	mg/L	1.3	0.00203	0.0032912	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00080157	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00080548	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082513	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107236	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149662	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063573	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075649	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00111606	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01078178	mg/L	Pass

1,1-Dichloroethene

Current MDL	Current RL
0.000738	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000738	0.0009	mg/L	1.2	0.00215	0.0030955	9	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00046126	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00092183	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138086	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00309595	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00054285	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065145	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00123662	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01013383	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00096347	mg/L	Pass

1,1-Dichloropropene

Current		Calculations								*MDLV used - 164176-31* 1 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000624	0.005	0.000624	0.0008	mg/L	1.3	0.00219	0.0025487	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096559	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077721	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094174	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00147394	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00423037	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00301299	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086219	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00153407	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00902905	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00129929	mg/L	Pass

1,2,3-Trichlorobenzene

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001769	0.005	0.001769	0.001	mg/L	.6	0.00249	0.0028501	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00090790	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00122720	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152544	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00352691	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00252587	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00090564	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084521	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131424	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00972072	mg/L	Pass

1,2,3-Trichloropropane

Current		Calculations								*MDLV used - 164176-32* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000470	0.001	0.000470	0.0009	mg/L	1.9	0.00223	0.0042618	7	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125636	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00129903	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129879	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01178936	mg/L	Pass

1,2,4-Trichlorobenzene

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001753	0.005	0.001753	0.001	mg/L	.6	0.00247	0.0027105	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095090	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112756	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176375	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00339246	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00255013	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00092583	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089925	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00133988	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933902	mg/L	Pass

1,2,4-Trimethylbenzene

Current

MDL	RL
0.000417	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000417	0.0008	mg/L	1.9	0.00203	0.0030083	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103378	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066167	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00085800	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135212	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00074312	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083037	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131779	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00944963	mg/L	Pass

1,2-Dibromo-3-Chloropropane

Current

MDL	RL
0.000671	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000671	0.0035	mg/L	5.2	0.00203	0.0037307	9	N

MDLV used - 167871-27 6 value(s) Not Rec
MDLV: Spike High

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00398264	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00325920	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104669	mg/L	Pass

1,2-Dichlorobenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0009	mg/L	2.1	0.00268	0.0032182	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098373	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00237706	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00260851	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078182	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087726	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00136168	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979185	mg/L	Pass

1,2-Dichloroethane

Current

MDL	RL
0.000372	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000372	0.0008	mg/L	2.2	0.00206	0.0030825	9	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00071463	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095815	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096722	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125357	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00166216	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00070097	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082210	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128574	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01024616	mg/L	Pass

1,2-Dichloropropane

Current

MDL	RL
0.000556	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000556	0.0008	mg/L	1.4	0.00216	0.0025638	13	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00088996	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00294732	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078651	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00080784	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109791	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00159336	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00451538	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303069	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00063520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00963430	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00099544	mg/L	Pass

1,3,5-Trimethylbenzene

Current

MDL	RL
0.000411	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00205	0.0030456	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00101225	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068167	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090647	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138917	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083663	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130469	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956374	mg/L	Pass

1,3-Dichlorobenzene

Current

MDL	RL
0.000413	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000413	0.0008	mg/L	1.9	0.00215	0.0030498	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099676	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082470	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107486	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00091261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00967782	mg/L	Pass

Analyte

1,3-Dichloropropane

Current		Calculations								*MDLV used - 164176-31* 1 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000514	0.005	0.000514	0.0008	mg/L	1.6	0.00230	0.0029529	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091436	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087875	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103336	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161630	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00409422	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00295601	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00080258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01053117	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00116153	mg/L	Pass

1,3-Dichloropropene, Total

Current		Calculations								*MDLV used - 164176-33* 7 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.001067	0.005	0.001067	0.002	mg/L	1.9	0.00308	0.0056107	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00763	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00557	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01796	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichloro-2-butene, Total

Current		Calculations								*MDLV used - 164176-31* 4 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.001350	0.005	0.001350	0.0016	mg/L	1.2	0.00468	0.0069732	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0033	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00823	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00678	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0227	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichlorobenzene

Current		Calculations								*MDLV used - 145268-8* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000449	0.001	0.000449	0.0005	mg/L	1.1	0.00223	0.0030765	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00064020	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00105345	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00129973	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176116	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094219	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00150197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979274	mg/L	Pass

1,4-Dioxane

Current

MDL	RL
0.02493	0.10

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02493	0.02	mg/L	.8	0.05947	0.1066682	8	N

MDLV used - 164176-33 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.02645311	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.14618672	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01030751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.29286498	mg/L	Pass

1-Chlorohexane

Current

MDL	RL
0.001423	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001423	0.001	mg/L	.7	0.00240	0.0024417	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00113949	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00082156	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00130808	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00418429	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00306256	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00094336	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097727	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00154076	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00864526	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00146387	mg/L	Pass

1-Methylnaphthalene

Current

MDL	RL
0.003459	0.010

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003459	0.0035	mg/L	1	0.00310	0.0041060	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00082988	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00548120	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00488189	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131183	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094935	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00181902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01270178	mg/L	Pass

Analyte

2,2-Dichloropropane

Current MDL	Current RL
0.000679	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000679	0.0008	mg/L	1.2	0.00222	0.0029598	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079316	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00073259	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096638	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00141971	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384192	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00284216	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00053066	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059836	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110238	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01058952	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00105881	mg/L	Pass

2-Butanone (MEK)

Current MDL	Current RL
0.008276	0.050

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.008276	0.005	mg/L	.6	0.01615	0.0220112	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01761484	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439115	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00467998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00695984	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02059954	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01405702	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00387119	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00471079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00825722	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.07644846	mg/L	Pass

2-Chloro-1,3-butadiene

Current MDL	Current RL
0.000598	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000598	0.0008	mg/L	1.3	0.00221	0.0029238	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067202	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071662	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096617	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144563	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00275596	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00070211	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00104419	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01047348	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111526	mg/L	Pass

2-Chloroethyl vinyl ether

Current MDL	Current RL
0.000753	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000753	0.0009	mg/L	1.2	0.00220	0.0034354	10	N

MDLV used - 164176-32 3 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089959	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119132	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390535	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00280099	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110887	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01129802	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087441	mg/L	Pass

2-Chlorotoluene

Current

MDL	RL
0.000459	0.002

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000459	0.0008	mg/L	1.7	0.00202	0.0027699	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00076775	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098853	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149404	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079296	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00142919	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00937612	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00127751	mg/L	Pass

2-Ethylhexyl acrylate

Current

MDL	RL
0.000659	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000659	0.0025	mg/L	3.8	0.00282	0.0026078	5	N

MDLV used - 148281-13 2 value(s) Not Rec
MDLV: Spike High

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00411950	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00511520	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00490382	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

2-Hexanone

Current

MDL	RL
0.005	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.005	mg/L	1	0.01487	0.0205318	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00482613	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00501936	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00696407	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02014698	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01528703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00338264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00365154	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00710370	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06746159	mg/L	Pass

2-Methyl-2-propanol

Current

MDL	RL
0.00500	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00500	0.008	mg/L	1.6	0.03137	0.0487240	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00730842	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.01409917	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01502467	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01925501	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04187562	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02773100	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00546520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00844835	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.02018102	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.17483795	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.01085593	mg/L	Pass

2-Methylnaphthalene

Current

MDL	RL
0.003295	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003295	0.0035	mg/L	1.1	0.00305	0.0039048	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00084847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00575662	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00515628	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00126022	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00095914	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00168751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01184410	mg/L	Pass

2-Methyltetrahydrofuran

Current

MDL	RL
0.001661	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001661	0.0025	mg/L	1.5	0.00336	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00336297	mg/L	Pass

2-Methyltetrahydropyran

Current

MDL	RL
0.001744	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001744	0.0025	mg/L	1.4	0.00357	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00357459	mg/L	Pass

2-Nitropropane

Current

MDL	RL
0.00336	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00336	0.002	mg/L	.6	0.00489	0.0077639	8	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00214481	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00300052	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00528103	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00544925	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02329243	mg/L	Pass

Analyte

3-Chloro-1-propene

Current MDL	Current RL
0.000597	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000597	0.0009	mg/L	1.5	0.00245	0.0033991	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00078094	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00124830	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00342364	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00231804	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00104337	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00186140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01174927	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00125077	mg/L	Pass

4-Chlorotoluene

Current MDL	Current RL
0.000386	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000386	0.0008	mg/L	2.1	0.00206	0.0030255	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067091	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078971	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135907	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00953221	mg/L	Pass

4-Ethyltoluene

Current MDL	Current RL
0.000454	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000454	0.0008	mg/L	1.8	0.00202	0.0030462	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102612	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00059929	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084558	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132462	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00076471	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083003	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130630	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954256	mg/L	Pass

4-Isopropyltoluene

Current MDL	Current RL
0.000676	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000676	0.0009	mg/L	1.3	0.00224	0.0031772	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100659	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088809	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145776	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075768	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084300	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132292	mg/L	Pass

Analyte											
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00942450	mg/L	Pass	

4-Methyl-2-pentanone (MIBK)

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.005	0.05	0.005	0.005	mg/L	1	0.01442	0.0190137	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00469187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00560137	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00747883	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02031642	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00332905	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00376367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00690938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06283103	mg/L	Pass

Acetone

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.003067	0.10	0.003067	0.004	mg/L	1.3	0.01464	0.0186501	12	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01590554	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00293717	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00627243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00655566	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00881079	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02683163	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02202806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00236319	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00396245	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00751693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06838691	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00411491	mg/L	Pass

Acetonitrile

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.014594	0.10	0.014594	0.01	mg/L	.7	0.02742	0.0369061	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00692116	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01523408	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01610920	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02604888	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00853171	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01043374	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01861401	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.11749273	mg/L	Pass

Acrolein

Current		Calculations								*MDLV used - 164176-33* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.011116	0.05	0.011116	0.005	mg/L	.4	0.01315	0.0202555	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00457059	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00625347	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02082932	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490902	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00811743	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06369659	mg/L	Pass	

Acrylonitrile

Current

MDL	RL
0.014319	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.014319	0.01	mg/L	.7	0.03015	0.0397744	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00737708	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01240755	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01619679	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04156491	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03010491	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00722274	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00841693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01642013	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13169377	mg/L	Pass

Benzene

Current

MDL	RL
0.0004596	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000459	0.0008	mg/L	1.7	0.00186	0.0028422	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00077626	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00089680	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090682	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114298	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157106	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00060179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081186	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131922	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00991103	mg/L	Pass

Benzyl chloride

Current

MDL	RL
0.002257	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002257	0.0035	mg/L	1.6	0.00270	0.0029276	10	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00292993	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00066539	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00116687	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308741	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00229781	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00348447	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01009316	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00335780	mg/L	Pass

Analyte

Bromobenzene

Current MDL	Current RL
0.000486	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000486	0.0008	mg/L	1.6	0.00213	0.0030880	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007855	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0010937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0015611	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0007295	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008398	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0013786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0097394	mg/L	Pass

Bromoform

Current MDL	Current RL
0.000633	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000633	0.0008	mg/L	1.3	0.00275	0.0022829	13	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.0022935	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.0022425	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0006921	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007859	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0009838	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0013147	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0036531	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0025467	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0027457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0027478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0031816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0096563	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0029988	mg/L	Pass

Bromomethane

Current MDL	Current RL
0.001419	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001419	0.001	mg/L	.7	0.00229	0.0025409	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0011465	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0012628	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0034799	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0018938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0008446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0012324	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0014773	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0091981	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0014425	mg/L	Pass

Butadiene

Current MDL	Current RL
0.000568	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000568	0.0008	mg/L	1.4	0.00178	0.0029250	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0016180	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068750	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00074724	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119409	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00032706	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00039736	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00037040	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00893917	mg/L	Pass	

Carbon disulfide

Current

MDL	RL
0.00165	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00165	0.001	mg/L	.6	0.00228	0.0028824	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142859	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00338541	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00244081	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073848	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075515	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00949283	mg/L	Pass

Carbon tetrachloride

Current

MDL	RL
0.000896	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000896	0.0009	mg/L	1	0.00223	0.0024326	12	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095292	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00317069	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00097065	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109751	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151582	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00386651	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00245770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087037	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00144282	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00917345	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00132602	mg/L	Pass

Chlorobenzene

Current

MDL	RL
0.000455	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000455	0.0008	mg/L	1.8	0.00238	0.0030112	8	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092527	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099869	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00207768	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00240798	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073972	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085969	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141014	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00968867	mg/L	Pass

Analyte

Chlorobromomethane

Current MDL	Current RL
0.000577	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000577	0.0008	mg/L	1.4	0.00218	0.0034315	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078255	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075683	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00108846	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00162954	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058185	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067720	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130921	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01062906	mg/L	Pass

Chlorodibromomethane

Current MDL	Current RL
0.000547	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000547	0.0008	mg/L	1.5	0.00272	0.0024038	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00073000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00074574	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105268	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161656	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380017	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00264348	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00231231	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00241149	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00269421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938967	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00262440	mg/L	Pass

Chloroethane

Current MDL	Current RL
0.001984	0.010

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001984	0.001	mg/L	.5	0.00261	0.0035417	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00182322	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00136009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118247	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00290067	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061487	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00095248	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01120236	mg/L	Pass

Chloroform

Current MDL	Current RL
0.000464	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000464	0.0008	mg/L	1.7	0.00189	0.0029759	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00069775	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083989	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092785	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112281	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152060	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066100	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00072103	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00127735	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01032717	mg/L	Pass

Chloromethane

Current

MDL	RL
0.002035	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002035	0.001	mg/L	.5	0.00182	0.0021406	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00053972	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00119765	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151237	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00237590	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046398	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086851	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00072372	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00688968	mg/L	Pass

cis-1,2-Dichloroethene

Current

MDL	RL
0.000457	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000457	0.0008	mg/L	1.8	0.00211	0.0034396	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00084151	mg/L	Pass
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086088	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075782	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105883	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00150646	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065293	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00074994	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134017	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01125437	mg/L	Pass

cis-1,3-Dichloropropene

Current

MDL	RL
0.001067	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001067	0.001	mg/L	.9	0.00227	0.0028025	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086979	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098937	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140283	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00389462	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00279781	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00052378	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098247	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00903065	mg/L	Pass

cis-1,4-Dichloro-2-butene

Current

MDL	RL
0.001566	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001566	0.001	mg/L	.6	0.00295	0.0034178	10	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274391	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306403	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00330181	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00441788	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00364224	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00091773	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01144030	mg/L	Pass

Cyclohexane

Current

MDL	RL
0.001286	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001286	0.001	mg/L	.8	0.00211	0.0027840	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088265	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00090833	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00307302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00093743	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00160344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00920470	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00145100	mg/L	Pass

Cyclohexanone

Current

MDL	RL
0.02779	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02779	0.045	mg/L	1.6	0.16940	0.2883721	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.05120515	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.05918315	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.08482793	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.03653667	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.04215275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.09017621	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.82174935	mg/L	Pass

Dibromomethane

Current

MDL	RL
0.000357	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000357	0.0008	mg/L	2.2	0.00212	0.0033508	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00076383	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109922	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158137	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00049012	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060480	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01037542	mg/L	Pass

Dichlorobromomethane

Current

MDL	RL
0.000552	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000552	0.0008	mg/L	1.4	0.00262	0.0029118	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079325	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087693	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112861	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00163098	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00206757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00221431	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00264367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00964180	mg/L	Pass

Dichlorodifluoromethane

Current

MDL	RL
0.000785	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000785	0.0009	mg/L	1.1	0.00164	0.0027567	8	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00045135	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00059063	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00101873	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00073796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067947	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00074478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00845038	mg/L	Pass

Dichlorofluoromethane

Current

MDL	RL
0.000500	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00199	0.0027173	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00074012	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088494	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00139318	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00304104	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00133261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067957	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00093827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00100074	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00994968	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087253	mg/L	Pass

Dicyclopentadiene

Current

MDL	RL
0.001210	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001210	0.001	mg/L	.8	0.00245	0.0027287	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112858	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158775	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00425319	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00293812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073107	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082752	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131749	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956492	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00124780	mg/L	Pass	

Epichlorohydrin

Current

MDL	RL
0.007521	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.007521	0.0080065	mg/L	1.1	0.02216	0.0428636	9	N

MDLV used - 164176-31 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00857031	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01092181	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01480899	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00654950	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01350427	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13561546	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00949390	mg/L	Pass

Ethyl acetate

Current

MDL	RL
0.000621	0.002

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000621	0.0016	mg/L	2.6	0.00536	0.0088837	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00211536	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00199127	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00252606	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00287852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00137528	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00168847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00302896	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02730530	mg/L	Pass

Ethyl acrylate

Current

MDL	RL
0.001233	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001233	0.001	mg/L	.8	0.00162	0.0024153	14	N

MDLV used - 164176-33 6 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00156081	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00276832	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00064937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112194	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00355518	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00250446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00169133	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00890357	mg/L	Pass

Ethyl ether

Current

MDL	RL
0.0100	0.1

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.0100	0.009	mg/L	.9	0.00210	0.0035049	8	N

MDLV used - 168383-21 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00039786	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105119	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142801	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00039820	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059312	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128583	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01072419	mg/L	Pass	
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00094241	mg/L	Pass	

Ethyl methacrylate

Current

MDL	RL
0.001118	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001118	0.001	mg/L	.9	0.00241	0.0034518	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103856	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135413	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00374947	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00257015	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129308	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104441	mg/L	Pass

Ethylbenzene

Current

MDL	RL
0.000385	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000385	0.0005	mg/L	1.3	0.00167	0.0025933	11	N

MDLV used - 145268-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00059798	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00082103	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098429	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072222	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144476	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054228	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075759	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135028	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00945268	mg/L	Pass

Ethylene Dibromide

Current

MDL	RL
0.000999	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000999	0.001	mg/L	1	0.00264	0.0032615	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086463	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153296	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00411075	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303418	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058785	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073237	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118357	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01075417	mg/L	Pass

Analyte

Ethylene oxide

Current MDL	Current RL
0.02062	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02062	0.01	mg/L	.5	0.02956	0.0418401	8	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01484273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01744123	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03757660	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00987001	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01020126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01686713	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12970540	mg/L	Pass

Hexachlorobutadiene

Current MDL	Current RL
0.000627	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000627	0.0005	mg/L	.8	0.00236	0.0022250	13	N

MDLV used - 145268-8 1 value(s) Not Reco
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00279933	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00306937	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00316368	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079957	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00209291	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00346781	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00256500	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086849	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00877237	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00098395	mg/L	Pass

Hexane

Current MDL	Current RL
0.000517	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000517	0.0009	mg/L	1.7	0.00193	0.0026567	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00062902	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308286	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00217159	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061744	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068136	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00101033	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00906897	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00103357	mg/L	Pass

Iodomethane

Current MDL	Current RL
0.005	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.0035	mg/L	.7	0.00223	0.0030099	8	N

MDLV used - 167871-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00110090	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153241	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00435814	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00048675	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060184	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00090933	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00891733	mg/L	Pass	

Isobutyl alcohol

Current

MDL	RL
0.01710	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.01710	0.02	mg/L	1.2	0.05861	0.1141690	10	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.02546900	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.03169368	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03921284	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01959036	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.01459879	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01569549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03730709	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.38185812	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.02076107	mg/L	Pass

Isooctane

Current

MDL	RL
0.000500	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00198	0.0025313	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00063961	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00054601	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073938	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00123101	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00343661	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066173	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116135	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00909556	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00107348	mg/L	Pass

Isopropyl acetate

Current

MDL	RL
0.000576	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000576	0.0009	mg/L	1.6	0.00202	0.0012230	5	N

MDLV used - 148281-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00079030	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00226821	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00362490	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00261911	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00080536	mg/L	Pass

Isopropyl alcohol

Current

MDL	RL
0.005226	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005226	0.009	mg/L	1.7	0.02434	0.0360437	7	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01308404	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01684988	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00803266	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01075981	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01666624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.10502733	mg/L	Pass

Isopropyl ether

Current

MDL	RL
0.000838	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000838	0.0008	mg/L	1	0.00239	0.0030178	11	N

MDLV used - 164176-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00081552	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00085847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111510	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151160	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00432696	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00290163	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068822	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117778	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01086043	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00121437	mg/L	Pass

Isopropylbenzene

Current

MDL	RL
0.000592	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000592	0.0008	mg/L	1.4	0.00200	0.0029715	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098439	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068668	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089524	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137479	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00069692	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00078030	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933295	mg/L	Pass

Methacrylonitrile

Current

MDL	RL
0.002715	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002715	0.008	mg/L	2.9	0.02484	0.0408315	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00851064	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00901448	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01121366	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01523796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00726807	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00794094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01393187	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12564773	mg/L	Pass

Analyte

Methyl acetate

Current MDL	Current RL
0.004008	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004008	0.002	mg/L	.5	0.00618	0.0080266	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00137873	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00235980	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00315260	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00870708	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00746344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131311	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00158637	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00333452	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02637140	mg/L	Pass

Methyl acrylate

Current MDL	Current RL
0.000660	0.1

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000660	0.0009	mg/L	1.4	0.00167	0.0013388	5	N

MDLV used - 148281-8 1 value(s) Not Reco
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00065983	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00203010	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00332222	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00237826	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

Methyl methacrylate

Current MDL	Current RL
0.002250	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002250	0.002	mg/L	.9	0.00545	0.0070374	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00187146	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00211656	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00291897	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00787111	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00583680	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00118083	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00139473	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00260349	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02325705	mg/L	Pass

Methyl tert-butyl ether

Current MDL	Current RL
0.001391	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001391	0.001	mg/L	.7	0.00280	0.0030057	11	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00282066	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00071590	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00124914	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00172437	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00388452	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00371540	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00268876	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065509	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00076478	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00146530	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01115994	mg/L	Pass

Methylcyclohexane

Current		Calculations							*MDLV used - 164176-32* 1 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000608	0.01	0.000608	0.0009	mg/L	1.5	0.00221	0.0030579	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073173	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00113590	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00366409	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00249833	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062956	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073177	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130482	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01039496	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00109363	mg/L	Pass

Methylene Chloride

Current		Calculations							*MDLV used - 151546-31* 1 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001726	0.005	0.001726	0.001	mg/L	.6	0.00315	0.0030328	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00135563	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00359817	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00382051	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00407302	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00305446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083281	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01026064	mg/L	Pass

m-Xylene & p-Xylene

Current		Calculations							*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001240	0.01	0.001240	0.001	mg/L	.8	0.00257	0.0025547	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00349531	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00095385	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140781	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00250210	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390231	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00269362	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081449	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950225	mg/L	Pass

Naphthalene

Current		Calculations							*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001353	0.01	0.001353	0.001	mg/L	.7	0.00268	0.0033610	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092989	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00116367	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00167148	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00333347	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00242945	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00091254	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086029	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00148573	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01137720	mg/L	Pass

n-Butanol

Current		Calculations								*MDLV used - 164176-33* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.02489	.150	0.02489	0.0248	mg/L	1	0.07347	0.1297348	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.02376396	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03315522	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.09167371	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.07206094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03206644	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.40859964	mg/L	Pass

n-Butyl acetate

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001568	0.005	0.001568	0.001	mg/L	.6	0.00279	0.0037035	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00107009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086170	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112225	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00433152	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00286942	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00064636	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137153	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01211954	mg/L	Pass

n-Butyl acrylate

Current		Calculations								*MDLV used - 148281-8* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001382	0.005	0.001382	0.0009	mg/L	.7	0.00161	0.0010861	5	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00056091	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00172500	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00313136	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00208698	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00057894	mg/L	Pass

n-Butylbenzene

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000510	0.001	0.000510	0.0008	mg/L	1.6	0.00202	0.0029011	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096188	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066448	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088136	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143202	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079644	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088466	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137184	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00916909	mg/L	Pass	

N-Propylbenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0008	mg/L	1.9	0.00201	0.0029080	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067154	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089920	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00077226	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083676	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135572	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00918135	mg/L	Pass

o-Xylene

Current

MDL	RL
0.000502	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000502	0.0008	mg/L	1.6	0.00176	0.0027361	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00081238	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095221	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067927	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096541	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137729	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054673	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071965	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00079964	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130540	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00951869	mg/L	Pass

Propene

Current

MDL	RL
0.004388	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004388	0.0035	mg/L	.8	0.00029	0.0004254	8	N

MDLV used - 167871-31 5 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00065329	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102048	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00071618	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

Propionitrile

Current MDL	Current RL
0.003341	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003341	0.008	mg/L	2.4	0.02511	0.0442251	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00916343	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00998521	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01127527	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01536442	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00631315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00684545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01462402	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.14276510	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00968547	mg/L	Pass

sec-Butylbenzene

Current MDL	Current RL
0.000468	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000468	0.0008	mg/L	1.7	0.00206	0.0030331	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00104188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00065426	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078304	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085704	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134767	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954232	mg/L	Pass

Styrene

Current MDL	Current RL
0.000619	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000619	0.0008	mg/L	1.3	0.00200	0.0030626	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091703	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071642	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089678	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132244	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067741	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075225	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956411	mg/L	Pass

Tert-amyl methyl ether

Current MDL	Current RL
0.000475	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00210	0.0031504	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00083618	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00092273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111624	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156999	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062758	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120353	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00986399	mg/L	Pass

Tert-butyl ethyl ether

Current

MDL	RL
0.000988	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000988	0.001	mg/L	1	0.00261	0.0032833	10	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095047	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00118533	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161955	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00406348	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00278298	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085750	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135761	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01147628	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00117387	mg/L	Pass

tert-Butylbenzene

Current

MDL	RL
0.000442	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000442	0.0008	mg/L	1.8	0.00206	0.0030183	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102862	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072912	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090824	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00148250	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073808	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082436	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132714	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950763	mg/L	Pass

Tetrachloroethene

Current

MDL	RL
0.000655	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000655	0.0009	mg/L	1.4	0.00216	0.0031509	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00085543	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00093753	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00154235	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058657	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075271	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00927323	mg/L	Pass

Tetrahydrofuran

Current

MDL	RL
0.001833	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001833	0.0018	mg/L	1	0.00388	0.0077239	11	N

MDLV used - 164176-32 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00227602	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00536388	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00232053	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00248562	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00349415	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00889365	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	-0.0032072	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	-0.0026485	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	-0.0009132	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02464721	mg/L	Pass

Tetrahydropyran

Current

MDL	RL
0.001789	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001789	0.0025	mg/L	1.4	0.00263	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00263037	mg/L	Pass

Toluene

Current

MDL	RL
0.000475	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00182	0.0027471	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092591	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00094083	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00078348	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102741	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156337	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00052433	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068986	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081732	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135245	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959175	mg/L	Pass

Total BTEX

Current

MDL	RL
0.000533	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000533	0.005	mg/L	9.4	0.00377	NA	1	N

MDLV used - 151546-31 All values recover
MDLV: Spike High

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003774	mg/L	Pass

trans-1,2-Dichloroethene

Current

MDL	RL
0.000368	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000368	0.0008	mg/L	2.2	0.00181	0.0031242	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00040499	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083147	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055966	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00069909	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100165	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145685	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058917	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067063	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132323	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01065980	mg/L	Pass

trans-1,3-Dichloropropene

Current

MDL	RL
0.001267	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001267	0.001	mg/L	.8	0.00214	0.0028277	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098397	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00373827	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00277403	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00055004	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00097113	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00892664	mg/L	Pass

trans-1,4-Dichloro-2-butene

Current

MDL	RL
0.001350	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001350	0.001	mg/L	.7	0.00235	0.0036402	9	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084491	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380893	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00314096	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00086829	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01134301	mg/L	Pass

Trichloroethene

Current

MDL	RL
0.00150	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00150	0.001	mg/L	.7	0.00258	0.0024011	12	N

MDLV used - 145268-10 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00161799	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00202625	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00438664	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088671	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097231	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145593	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00379353	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261075	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00106197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00117172	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00171215	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933979	mg/L	Pass

Trichlorofluoromethane

Current

MDL	RL
0.000560	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000560	0.0008	mg/L	1.4	0.00183	0.0028404	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00083421	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097014	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132952	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066435	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00096126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00096807	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938647	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00070395	mg/L	Pass

Trihalomethanes, Total

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike High
0.000552	0.001	0.000552	0.0032	mg/L	5.8	0.01065	0.0100838	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003143	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.003254	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.004284	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00608	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01095	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.007791	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.008091	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00979	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.03899	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00929	mg/L	Pass

Vinyl acetate

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.002139	0.02	0.002139	0.004	mg/L	1.9	0.01132	0.0141611	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439392	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00377000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00513735	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00614574	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01975543	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01407338	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00342209	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00437903	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00575597	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.05121953	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00650542	mg/L	Pass

Vinyl chloride

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000428	0.002	0.000428	0.0008	mg/L	1.9	0.00175	0.0027656	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055607	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090990	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109164	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140198	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00102169	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057510	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088243	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959150	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00055790	mg/L	Pass

Analyte

Xylenes, Total

Current		Calculations									*MDLV used - 164176-32* All values recover
		Ver	Spike		Spike			Std		Edit	MDLV: Spike High
MDL	RL	MDL	amount	Units	/ MDL	Mean	Dev	Reps	Limts?	
0.000551	0.001	0.000551	0.0018	mg/L	3.3	0.00481	0.0053508	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00686	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.000952	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.000965	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00519	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00772	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00533	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00263	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01902	mg/L	Pass

Detected? Pass = result was detected ; Fail = result < = 0 . If MDLV is < MDL , verify Detection or S/N ratio
MDLV: Pass = meets Spike/MDL ratio , Spike High =Spike/MDL > ratio , Spike Low = Spike < MDL
Spike/MDL ratio = 3.00

Appendix A

Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Job No. 860-80414-1 and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ☑ R1- Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  a. Items consistent with NELAC Chapter 5,
  b. dilution factors,
  c. preparation methods,
  d. cleanup methods, and
  e. if required for the project, tentatively identified coumpounds (TICs).
- ☑ R4 - Surrogate recovery data including:
  a. Calculated recovery (%R), and
  b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  a. LCS spiking amounts,
  b. Calculated %R for each analyte, and
  c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a. Samples associated with the MS/MSD clearly identified,
  b. MS/MSD spiking amounts,
  c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d. Calculated %Rs and relative percent differences (RPDs), and
  e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  a. The amount of analyte measured in the duplicate,
  b. The calculated RPD, and
  c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ☑ R10 - Other problems or anomalies.
- ☐ Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: ☐ This laboratory meets an exception under 30 TAC §25.6 and was last inspected by ☐ TCEQ or ☐ _____ on __/__/__. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Printed)	Date
Travis Richter		Project Manager	08/19/2024

Laboratory Data Package Cover Page - Page 2 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/19/2024
Project Name: HS24080318	Laboratory Job Number: 860-80414-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				
		Were all departures from standard conditions described in an exception report?	✓				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✓				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		Were calculations checked by a peer or supervisor?	✓				
		Were all analyte identifications checked by a peer or supervisor?	✓				
		Were sample detection limits reported for all analytes not detected?	✓				
		Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			✓		
		If required for the project, are TICs reported?			✓		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✓				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✓				
		Were blanks analyzed at the appropriate frequency?	✓				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		Were blank concentrations < MQL?		✓			1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✓				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✓				
		Were LCSs analyzed at the required frequency?	✓				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✓				
		Was the LCSD RPD within QC limits?	✓				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✓				
		Were MS/MSD analyzed at the appropriate frequency?	✓				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Were MS/MSD RPDs within laboratory QC limits?			✓		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			✓		
		Were analytical duplicates analyzed at the appropriate frequency?			✓		
		Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✓				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✓				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		✓			2
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✓				

Laboratory Data Package Cover Page - Page 3 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/19/2024
Project Name: HS24080318	Laboratory Job Number: 860-80414-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		Were percent RSDs or correlation coefficient criteria met?	✓				
		Was the number of standards recommended in the method used for all analytes?	✓				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		Are ICAL data available for all instruments used?	✓				
		Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	✓				
		Were percent differences for each analyte within the method-required QC limits?		✓			3
		Was the ICAL curve verified for each analyte?	✓				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			✓		
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?	✓				
		Were ion abundance data within the method-required QC limits?	✓				
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			✓		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?			✓		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			✓		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✓				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✓				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✓				
		Is documentation of the analyst's competency up-to-date and on file?	✓				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	✓				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period;
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Cover Page - Page 4 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/19/2024
Project Name: HS24080318	Laboratory Job Number: 860-80414-1
Reviewer Name: Travis Richter	

ER#[1]	Description
1	Method 8260C: The method blank for analytical batch 860-181781 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.
2	Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: HS24080318-02 (860-80414-2), HS24080318-03 (860-80414-3) and HS24080318-12 (860-80414-12). Elevated reporting limits (RLs) are provided. Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: (860-80101-D-15) and (860-80101-D-15 MS). Elevated reporting limits (RLs) are provided.
3	Method 8260C: The continuing calibration verification (CCV) associated with batch 860-182074 recovered outside acceptance criteria, low biased, for Vinyl chloride (-25.5%). A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Job Narrative
860-80414-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/13/2024 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

GC/MS VOA
Method 8260C: The method blank for analytical batch 860-181781 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: HS24080318-02 (860-80414-2), HS24080318-03 (860-80414-3) and HS24080318-12 (860-80414-12). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 860-182074 recovered outside acceptance criteria, low biased, for Vinyl chloride (-25.5%). A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Client Sample ID: HS24080318-01 — Lab Sample ID: 860-80414-1

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0118		0.00100	0.000460	mg/L	1		8260C	Total/NA
Toluene	0.00141		0.00100	0.000475	mg/L	1		8260C	Total/NA
Chlorobenzene	0.000683	J	0.00100	0.000455	mg/L	1		8260C	Total/NA
Ethylbenzene	0.00477		0.00100	0.000385	mg/L	1		8260C	Total/NA
Xylenes, Total	0.0110		0.0100	0.00124	mg/L	1		8260C	Total/NA
o-Xylene	0.00289		0.00100	0.000502	mg/L	1		8260C	Total/NA
m,p-Xylenes	0.00812	J	0.0100	0.00124	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080318-02 — Lab Sample ID: 860-80414-2

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.00866		0.00200	0.000428	mg/L	1		8260C	Total/NA
Benzene - DL	0.369		0.0100	0.00460	mg/L	10		8260C	Total/NA
Toluene - DL	0.289		0.0100	0.00475	mg/L	10		8260C	Total/NA
Ethylbenzene - DL	0.246		0.0100	0.00385	mg/L	10		8260C	Total/NA
Xylenes, Total - DL	0.538		0.100	0.0124	mg/L	10		8260C	Total/NA
o-Xylene - DL	0.192		0.0100	0.00502	mg/L	10		8260C	Total/NA
m,p-Xylenes - DL	0.346		0.100	0.0124	mg/L	10		8260C	Total/NA

Client Sample ID: HS24080318-03 — Lab Sample ID: 860-80414-3

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	0.857		0.0100	0.00460	mg/L	10		8260C	Total/NA
Toluene - DL	0.653		0.0100	0.00475	mg/L	10		8260C	Total/NA
Ethylbenzene - DL	0.231		0.0100	0.00385	mg/L	10		8260C	Total/NA
Xylenes, Total - DL	0.693		0.100	0.0124	mg/L	10		8260C	Total/NA
o-Xylene - DL	0.232		0.0100	0.00502	mg/L	10		8260C	Total/NA
m,p-Xylenes - DL	0.461		0.100	0.0124	mg/L	10		8260C	Total/NA

Client Sample ID: HS24080318-04 — Lab Sample ID: 860-80414-4

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0106		0.00100	0.000460	mg/L	1		8260C	Total/NA
Toluene	0.0241		0.00100	0.000475	mg/L	1		8260C	Total/NA
Ethylbenzene	0.113		0.00100	0.000385	mg/L	1		8260C	Total/NA
Xylenes, Total	0.0882		0.0100	0.00124	mg/L	1		8260C	Total/NA
o-Xylene	0.0197		0.00100	0.000502	mg/L	1		8260C	Total/NA
m,p-Xylenes	0.0685		0.0100	0.00124	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080318-05 — Lab Sample ID: 860-80414-5

No Detections.

Client Sample ID: HS24080318-06 — Lab Sample ID: 860-80414-6

No Detections.

Client Sample ID: HS24080318-07 — Lab Sample ID: 860-80414-7

No Detections.

Client Sample ID: HS24080318-08 — Lab Sample ID: 860-80414-8

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Client Sample ID: HS24080318-09 — Lab Sample ID: 860-80414-9

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00293		0.00100	0.000460	mg/L	1		8260C	Total/NA
Toluene	0.0117		0.00100	0.000475	mg/L	1		8260C	Total/NA
Ethylbenzene	0.0118		0.00100	0.000385	mg/L	1		8260C	Total/NA
Xylenes, Total	0.0302		0.0100	0.00124	mg/L	1		8260C	Total/NA
o-Xylene	0.00957		0.00100	0.000502	mg/L	1		8260C	Total/NA
m,p-Xylenes	0.0206		0.0100	0.00124	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080318-10 — Lab Sample ID: 860-80414-10

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00172		0.00100	0.000460	mg/L	1		8260C	Total/NA
Toluene	0.00101		0.00100	0.000475	mg/L	1		8260C	Total/NA
Ethylbenzene	0.00787		0.00100	0.000385	mg/L	1		8260C	Total/NA
Xylenes, Total	0.00974	J	0.0100	0.00124	mg/L	1		8260C	Total/NA
o-Xylene	0.00591		0.00100	0.000502	mg/L	1		8260C	Total/NA
m,p-Xylenes	0.00383	J	0.0100	0.00124	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080318-11 — Lab Sample ID: 860-80414-11

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00111		0.00100	0.000460	mg/L	1		8260C	Total/NA
Toluene	0.00113		0.00100	0.000475	mg/L	1		8260C	Total/NA
Ethylbenzene	0.00223		0.00100	0.000385	mg/L	1		8260C	Total/NA
Xylenes, Total	0.0148		0.0100	0.00124	mg/L	1		8260C	Total/NA
o-Xylene	0.00363		0.00100	0.000502	mg/L	1		8260C	Total/NA
m,p-Xylenes	0.0112		0.0100	0.00124	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080318-12 — Lab Sample ID: 860-80414-12

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0128		0.00100	0.000460	mg/L	1		8260C	Total/NA
Toluene	0.102		0.00100	0.000475	mg/L	1		8260C	Total/NA
Ethylbenzene	0.0876		0.00100	0.000385	mg/L	1		8260C	Total/NA
o-Xylene	0.0730		0.00100	0.000502	mg/L	1		8260C	Total/NA
Xylenes, Total - DL	0.183		0.0500	0.00620	mg/L	5		8260C	Total/NA
m,p-Xylenes - DL	0.122		0.0500	0.00620	mg/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HS24080318-01

Lab Sample ID: 860-80414-1

Date Collected: 08/02/24 08:45

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0118**		0.00100	0.000460	mg/L			08/15/24 18:35	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 18:35	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 18:35	1
Toluene	**0.00141**		0.00100	0.000475	mg/L			08/15/24 18:35	1
Chlorobenzene	**0.000683**	**J**	0.00100	0.000455	mg/L			08/15/24 18:35	1
Ethylbenzene	**0.00477**		0.00100	0.000385	mg/L			08/15/24 18:35	1
Xylenes, Total	**0.0110**		0.0100	0.00124	mg/L			08/15/24 18:35	1
o-Xylene	**0.00289**		0.00100	0.000502	mg/L			08/15/24 18:35	1
m,p-Xylenes	**0.00812**	**J**	0.0100	0.00124	mg/L			08/15/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/15/24 18:35*	*1*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*08/15/24 18:35*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 131*		*08/15/24 18:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/15/24 18:35*	*1*

Client Sample ID: HS24080318-02

Lab Sample ID: 860-80414-2

Date Collected: 08/02/24 10:10

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 18:56	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 18:56	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 18:56	1
Vinyl chloride	**0.00866**		0.00200	0.000428	mg/L			08/15/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 144*		*08/15/24 18:56*	*1*
4-Bromofluorobenzene (Surr)	*88*		*74 - 124*		*08/15/24 18:56*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 131*		*08/15/24 18:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/15/24 18:56*	*1*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.369**		0.0100	0.00460	mg/L			08/16/24 13:21	10
Toluene	**0.289**		0.0100	0.00475	mg/L			08/16/24 13:21	10
Ethylbenzene	**0.246**		0.0100	0.00385	mg/L			08/16/24 13:21	10
Xylenes, Total	**0.538**		0.100	0.0124	mg/L			08/16/24 13:21	10
o-Xylene	**0.192**		0.0100	0.00502	mg/L			08/16/24 13:21	10
m,p-Xylenes	**0.346**		0.100	0.0124	mg/L			08/16/24 13:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*		*08/16/24 13:21*	*10*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*		*08/16/24 13:21*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 131*		*08/16/24 13:21*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/16/24 13:21*	*10*

Client Sample ID: HS24080318-03

Lab Sample ID: 860-80414-3

Date Collected: 08/02/24 11:30

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 19:16	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 19:16	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 144*		*08/15/24 19:16*	*1*
4-Bromofluorobenzene (Surr)	*88*		*74 - 124*		*08/15/24 19:16*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 131*		*08/15/24 19:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/15/24 19:16*	*1*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.857**		0.0100	0.00460	mg/L			08/16/24 13:42	10
Toluene	**0.653**		0.0100	0.00475	mg/L			08/16/24 13:42	10
Ethylbenzene	**0.231**		0.0100	0.00385	mg/L			08/16/24 13:42	10
Xylenes, Total	**0.693**		0.100	0.0124	mg/L			08/16/24 13:42	10
o-Xylene	**0.232**		0.0100	0.00502	mg/L			08/16/24 13:42	10
m,p-Xylenes	**0.461**		0.100	0.0124	mg/L			08/16/24 13:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/16/24 13:42*	*10*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*		*08/16/24 13:42*	*10*
Dibromofluoromethane (Surr)	*95*		*75 - 131*		*08/16/24 13:42*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/16/24 13:42*	*10*

Client Sample ID: HS24080318-04

Lab Sample ID: 860-80414-4

Date Collected: 08/02/24 12:35

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0106**		0.00100	0.000460	mg/L			08/15/24 19:37	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 19:37	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 19:37	1
Toluene	**0.0241**		0.00100	0.000475	mg/L			08/15/24 19:37	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 19:37	1
Ethylbenzene	**0.113**		0.00100	0.000385	mg/L			08/15/24 19:37	1
Xylenes, Total	**0.0882**		0.0100	0.00124	mg/L			08/15/24 19:37	1
o-Xylene	**0.0197**		0.00100	0.000502	mg/L			08/15/24 19:37	1
m,p-Xylenes	**0.0685**		0.0100	0.00124	mg/L			08/15/24 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 144*		*08/15/24 19:37*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/15/24 19:37*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 131*		*08/15/24 19:37*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/15/24 19:37*	*1*

Client Sample ID: HS24080318-05

Lab Sample ID: 860-80414-5

Date Collected: 08/02/24 14:25

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 19:57	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 19:57	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 19:57	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 19:57	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 19:57	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/16/24 17:47	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 19:57	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 19:57	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*08/15/24 19:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*		*08/16/24 17:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/15/24 19:57*	*1*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*		*08/16/24 17:47*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 131*		*08/15/24 19:57*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 131*		*08/16/24 17:47*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/15/24 19:57*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/16/24 17:47*	*1*

Client Sample ID: HS24080318-06

Lab Sample ID: 860-80414-6

Date Collected: 08/02/24 15:10

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 20:18	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 20:18	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 20:18	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 20:18	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 20:18	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 20:18	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 20:18	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 20:18	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/15/24 20:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*74 - 124*		*08/15/24 20:18*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 131*		*08/15/24 20:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/15/24 20:18*	*1*

Client Sample ID: HS24080318-07

Lab Sample ID: 860-80414-7

Date Collected: 08/02/24 15:30

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 20:38	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 20:38	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 20:38	1

Client Sample ID: HS24080318-07

Lab Sample ID: 860-80414-7

Date Collected: 08/02/24 15:30
Matrix: Water
Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 20:38	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 20:38	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 20:38	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 20:38	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 20:38	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*08/15/24 20:38*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/15/24 20:38*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 131*		*08/15/24 20:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/15/24 20:38*	*1*

Client Sample ID: HS24080318-08

Lab Sample ID: 860-80414-8

Date Collected: 08/02/24 09:32
Matrix: Water
Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 20:59	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 20:59	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 20:59	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 20:59	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 20:59	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 20:59	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 20:59	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 20:59	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/15/24 20:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*74 - 124*		*08/15/24 20:59*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 131*		*08/15/24 20:59*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/15/24 20:59*	*1*

Client Sample ID: HS24080318-09

Lab Sample ID: 860-80414-9

Date Collected: 08/02/24 11:05
Matrix: Water
Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00293**		0.00100	0.000460	mg/L			08/15/24 21:19	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 21:19	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 21:19	1
Toluene	**0.0117**		0.00100	0.000475	mg/L			08/15/24 21:19	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 21:19	1
Ethylbenzene	**0.0118**		0.00100	0.000385	mg/L			08/15/24 21:19	1
Xylenes, Total	**0.0302**		0.0100	0.00124	mg/L			08/15/24 21:19	1
o-Xylene	**0.00957**		0.00100	0.000502	mg/L			08/15/24 21:19	1
m,p-Xylenes	**0.0206**		0.0100	0.00124	mg/L			08/15/24 21:19	1

Client Sample ID: HS24080318-09

Lab Sample ID: 860-80414-9

Date Collected: 08/02/24 11:05

Matrix: Water

Date Received: 08/13/24 15:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		63 - 144		08/15/24 21:19	1
4-Bromofluorobenzene (Surr)	92		74 - 124		08/15/24 21:19	1
Dibromofluoromethane (Surr)	91		75 - 131		08/15/24 21:19	1
Toluene-d8 (Surr)	102		80 - 120		08/15/24 21:19	1

Client Sample ID: HS24080318-10

Lab Sample ID: 860-80414-10

Date Collected: 08/02/24 13:20

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00172**		0.00100	0.000460	mg/L			08/15/24 21:40	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 21:40	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 21:40	1
Toluene	**0.00101**		0.00100	0.000475	mg/L			08/15/24 21:40	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 21:40	1
Ethylbenzene	**0.00787**		0.00100	0.000385	mg/L			08/15/24 21:40	1
Xylenes, Total	**0.00974**	**J**	0.0100	0.00124	mg/L			08/15/24 21:40	1
o-Xylene	**0.00591**		0.00100	0.000502	mg/L			08/15/24 21:40	1
m,p-Xylenes	**0.00383**	**J**	0.0100	0.00124	mg/L			08/15/24 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		63 - 144		08/15/24 21:40	1
4-Bromofluorobenzene (Surr)	94		74 - 124		08/15/24 21:40	1
Dibromofluoromethane (Surr)	92		75 - 131		08/15/24 21:40	1
Toluene-d8 (Surr)	99		80 - 120		08/15/24 21:40	1

Client Sample ID: HS24080318-11

Lab Sample ID: 860-80414-11

Date Collected: 08/02/24 14:32

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00111**		0.00100	0.000460	mg/L			08/15/24 22:00	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 22:00	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 22:00	1
Toluene	**0.00113**		0.00100	0.000475	mg/L			08/15/24 22:00	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 22:00	1
Ethylbenzene	**0.00223**		0.00100	0.000385	mg/L			08/15/24 22:00	1
Xylenes, Total	**0.0148**		0.0100	0.00124	mg/L			08/15/24 22:00	1
o-Xylene	**0.00363**		0.00100	0.000502	mg/L			08/15/24 22:00	1
m,p-Xylenes	**0.0112**		0.0100	0.00124	mg/L			08/15/24 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		63 - 144		08/15/24 22:00	1
4-Bromofluorobenzene (Surr)	96		74 - 124		08/15/24 22:00	1
Dibromofluoromethane (Surr)	90		75 - 131		08/15/24 22:00	1
Toluene-d8 (Surr)	99		80 - 120		08/15/24 22:00	1

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Client Sample ID: HS24080318-12

Date Collected: 08/02/24 15:30
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-12

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0128**		0.00100	0.000460	mg/L			08/15/24 22:20	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 22:20	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 22:20	1
Toluene	**0.102**		0.00100	0.000475	mg/L			08/15/24 22:20	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 22:20	1
Ethylbenzene	**0.0876**		0.00100	0.000385	mg/L			08/15/24 22:20	1
o-Xylene	**0.0730**		0.00100	0.000502	mg/L			08/15/24 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*08/15/24 22:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*		*08/15/24 22:20*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 131*		*08/15/24 22:20*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/15/24 22:20*	*1*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**0.183**		0.0500	0.00620	mg/L			08/16/24 13:01	5
m,p-Xylenes	**0.122**		0.0500	0.00620	mg/L			08/16/24 13:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*08/16/24 13:01*	*5*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*		*08/16/24 13:01*	*5*
Dibromofluoromethane (Surr)	*93*		*75 - 131*		*08/16/24 13:01*	*5*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/16/24 13:01*	*5*

Surrogate Summary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
860-80414-1	HS24080318-01	99	98	97	102
860-80414-2	HS24080318-02	104	88	93	100
860-80414-2 - DL	HS24080318-02	98	92	94	101
860-80414-3	HS24080318-03	104	88	88	99
860-80414-3 - DL	HS24080318-03	100	91	95	101
860-80414-4	HS24080318-04	95	96	89	100
860-80414-5	HS24080318-05	97	96	89	101
860-80414-5	HS24080318-05	98	92	97	100
860-80414-5 MS	HS24080318-05	98	92	97	98
860-80414-6	HS24080318-06	99	97	91	100
860-80414-7	HS24080318-07	97	96	89	99
860-80414-8	HS24080318-08	99	94	90	99
860-80414-9	HS24080318-09	99	92	91	102
860-80414-10	HS24080318-10	99	94	92	99
860-80414-11	HS24080318-11	99	96	90	99
860-80414-12	HS24080318-12	97	93	90	101
860-80414-12 - DL	HS24080318-12	97	92	93	102
LB 860-181736/1-A	Method Blank	100	99	91	99
LCS 860-181781/3	Lab Control Sample	99	93	99	95
LCS 860-181856/3	Lab Control Sample	101	92	100	97
LCS 860-182074/3	Lab Control Sample	98	92	98	96
LCSD 860-181781/4	Lab Control Sample Dup	100	92	99	97
LCSD 860-181856/4	Lab Control Sample Dup	101	93	97	98
LCSD 860-182074/4	Lab Control Sample Dup	98	92	98	97
MB 860-181781/8	Method Blank	97	95	93	98
MB 860-181856/11	Method Blank	100	94	94	101
MB 860-182074/9	Method Blank	98	98	93	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-181781/8
Matrix: Water
Analysis Batch: 181781

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 17:54	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 17:54	1
Methylene Chloride	0.002201	J	0.00500	0.00173	mg/L			08/15/24 17:54	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 17:54	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 17:54	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 17:54	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 17:54	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			08/15/24 17:54	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 17:54	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 17:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*08/15/24 17:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*08/15/24 17:54*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 131*		*08/15/24 17:54*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/15/24 17:54*	*1*

Lab Sample ID: LCS 860-181781/3
Matrix: Water
Analysis Batch: 181781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.05042		mg/L		101	75 - 125		
1,2-Dichloroethane			0.0500	0.04838		mg/L		97	72 - 130		
Methylene Chloride			0.0500	0.05163		mg/L		103	71 - 125		
Toluene			0.0500	0.04701		mg/L		94	75 - 130		
Chlorobenzene			0.0500	0.04822		mg/L		96	82 - 135		
Ethylbenzene			0.0500	0.04739		mg/L		95	75 - 125		
Vinyl chloride			0.0500	0.04139		mg/L		83	60 - 140		
o-Xylene			0.0500	0.04656		mg/L		93	75 - 125		
m,p-Xylenes			0.0500	0.04685		mg/L		94	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 860-181781/4
Matrix: Water
Analysis Batch: 181781

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04766		mg/L		95	75 - 125	6	25
1,2-Dichloroethane			0.0500	0.04692		mg/L		94	72 - 130	3	25
Methylene Chloride			0.0500	0.04894		mg/L		98	71 - 125	5	25
Toluene			0.0500	0.04598		mg/L		92	75 - 130	2	25
Chlorobenzene			0.0500	0.04679		mg/L		94	82 - 135	3	25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-181781/4
Matrix: Water
Analysis Batch: 181781

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.0500	0.04661		mg/L		93	75 - 125	2	25
Vinyl chloride			0.0500	0.04036		mg/L		81	60 - 140	3	25
o-Xylene			0.0500	0.04570		mg/L		91	75 - 125	2	25
m,p-Xylenes			0.0500	0.04554		mg/L		91	75 - 125	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LB 860-181736/1-A
Matrix: Water
Analysis Batch: 181856

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	LB Result	LB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00230	U	0.00500	0.00230	mg/L			08/16/24 06:11	5
1,2-Dichloroethane	<0.00186	U	0.00500	0.00186	mg/L			08/16/24 06:11	5
Methylene Chloride	<0.00863	U	0.0250	0.00863	mg/L			08/16/24 06:11	5
Toluene	<0.00238	U	0.00500	0.00238	mg/L			08/16/24 06:11	5
Chlorobenzene	<0.00228	U	0.00500	0.00228	mg/L			08/16/24 06:11	5
Ethylbenzene	<0.00193	U	0.00500	0.00193	mg/L			08/16/24 06:11	5
Xylenes, Total	<0.00620	U	0.0500	0.00620	mg/L			08/16/24 06:11	5
Vinyl chloride	<0.00214	U	0.0100	0.00214	mg/L			08/16/24 06:11	5
o-Xylene	<0.00251	U	0.00500	0.00251	mg/L			08/16/24 06:11	5
m,p-Xylenes	<0.00620	U	0.0500	0.00620	mg/L			08/16/24 06:11	5

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/16/24 06:11*	*5*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*08/16/24 06:11*	*5*
Dibromofluoromethane (Surr)	*91*		*75 - 131*		*08/16/24 06:11*	*5*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/16/24 06:11*	*5*

Lab Sample ID: MB 860-181856/11
Matrix: Water
Analysis Batch: 181856

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/16/24 06:32	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/16/24 06:32	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/16/24 06:32	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/16/24 06:32	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/16/24 06:32	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/16/24 06:32	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/16/24 06:32	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			08/16/24 06:32	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/16/24 06:32	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/16/24 06:32	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-181856/11
Matrix: Water
Analysis Batch: 181856

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		63 - 144		08/16/24 06:32	1
4-Bromofluorobenzene (Surr)	94		74 - 124		08/16/24 06:32	1
Dibromofluoromethane (Surr)	94		75 - 131		08/16/24 06:32	1
Toluene-d8 (Surr)	101		80 - 120		08/16/24 06:32	1

Lab Sample ID: LCS 860-181856/3
Matrix: Water
Analysis Batch: 181856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.04819		mg/L		96	75 - 125		
1,2-Dichloroethane			0.0500	0.04773		mg/L		95	72 - 130		
Methylene Chloride			0.0500	0.04935		mg/L		99	71 - 125		
Toluene			0.0500	0.04555		mg/L		91	75 - 130		
Chlorobenzene			0.0500	0.04736		mg/L		95	82 - 135		
Ethylbenzene			0.0500	0.04668		mg/L		93	75 - 125		
Vinyl chloride			0.0500	0.03806		mg/L		76	60 - 140		
o-Xylene			0.0500	0.04591		mg/L		92	75 - 125		
m,p-Xylenes			0.0500	0.04599		mg/L		92	75 - 125		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		63 - 144
4-Bromofluorobenzene (Surr)	92		74 - 124
Dibromofluoromethane (Surr)	100		75 - 131
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 860-181856/4
Matrix: Water
Analysis Batch: 181856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04830		mg/L		97	75 - 125	0	25
1,2-Dichloroethane			0.0500	0.04857		mg/L		97	72 - 130	2	25
Methylene Chloride			0.0500	0.04848		mg/L		97	71 - 125	2	25
Toluene			0.0500	0.04575		mg/L		92	75 - 130	0	25
Chlorobenzene			0.0500	0.04716		mg/L		94	82 - 135	0	25
Ethylbenzene			0.0500	0.04681		mg/L		94	75 - 125	0	25
Vinyl chloride			0.0500	0.03746		mg/L		75	60 - 140	2	25
o-Xylene			0.0500	0.04689		mg/L		94	75 - 125	2	25
m,p-Xylenes			0.0500	0.04561		mg/L		91	75 - 125	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		63 - 144
4-Bromofluorobenzene (Surr)	93		74 - 124
Dibromofluoromethane (Surr)	97		75 - 131
Toluene-d8 (Surr)	98		80 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-182074/9
Matrix: Water
Analysis Batch: 182074

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/16/24 17:27	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/16/24 17:27	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/16/24 17:27	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/16/24 17:27	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/16/24 17:27	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/16/24 17:27	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/16/24 17:27	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			08/16/24 17:27	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/16/24 17:27	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/16/24 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*		*08/16/24 17:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*08/16/24 17:27*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 131*		*08/16/24 17:27*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/16/24 17:27*	*1*

Lab Sample ID: LCS 860-182074/3
Matrix: Water
Analysis Batch: 182074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.05035		mg/L		101	75 - 125		
1,2-Dichloroethane			0.0500	0.04864		mg/L		97	72 - 130		
Methylene Chloride			0.0500	0.05177		mg/L		104	71 - 125		
Toluene			0.0500	0.04869		mg/L		97	75 - 130		
Chlorobenzene			0.0500	0.04941		mg/L		99	82 - 135		
Ethylbenzene			0.0500	0.04861		mg/L		97	75 - 125		
Vinyl chloride			0.0500	0.03571		mg/L		71	60 - 140		
o-Xylene			0.0500	0.04792		mg/L		96	75 - 125		
m,p-Xylenes			0.0500	0.04756		mg/L		95	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 860-182074/4
Matrix: Water
Analysis Batch: 182074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04901		mg/L		98	75 - 125	3	25
1,2-Dichloroethane			0.0500	0.04783		mg/L		96	72 - 130	2	25
Methylene Chloride			0.0500	0.05124		mg/L		102	71 - 125	1	25
Toluene			0.0500	0.04754		mg/L		95	75 - 130	2	25
Chlorobenzene			0.0500	0.04820		mg/L		96	82 - 135	2	25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-182074/4
Matrix: Water
Analysis Batch: 182074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.0500	0.04867		mg/L		97	75 - 125	0	25
Vinyl chloride			0.0500	0.03665		mg/L		73	60 - 140	3	25
o-Xylene			0.0500	0.04697		mg/L		94	75 - 125	2	25
m,p-Xylenes			0.0500	0.04743		mg/L		95	75 - 125	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 860-80414-5 MS
Matrix: Water
Analysis Batch: 182074

Client Sample ID: HS24080318-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000460	U	0.0500	0.04416		mg/L		88	66 - 142		
1,2-Dichloroethane	<0.000372	U	0.0500	0.04295		mg/L		86	68 - 127		
Methylene Chloride	<0.00173	U	0.0500	0.04369		mg/L		87	75 - 125		
Toluene	<0.000475	U	0.0500	0.04446		mg/L		89	59 - 139		
Chlorobenzene	<0.000455	U	0.0500	0.04499		mg/L		90	60 - 133		
Ethylbenzene	<0.000385	U	0.0500	0.04510		mg/L		90	75 - 125		
Vinyl chloride	<0.000428	U	0.0500	0.03508		mg/L		70	60 - 140		
o-Xylene	<0.000502	U	0.0500	0.04338		mg/L		87	75 - 125		
m,p-Xylenes	<0.00124	U	0.0500	0.04408		mg/L		88	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

QC Association Summary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

GC/MS VOA

Leach Batch: 181736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-181736/1-A	Method Blank	Total/NA	Water	1311	

Analysis Batch: 181781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-80414-1	HS24080318-01	Total/NA	Water	8260C	
860-80414-2	HS24080318-02	Total/NA	Water	8260C	
860-80414-3	HS24080318-03	Total/NA	Water	8260C	
860-80414-4	HS24080318-04	Total/NA	Water	8260C	
860-80414-5	HS24080318-05	Total/NA	Water	8260C	
860-80414-6	HS24080318-06	Total/NA	Water	8260C	
860-80414-7	HS24080318-07	Total/NA	Water	8260C	
860-80414-8	HS24080318-08	Total/NA	Water	8260C	
860-80414-9	HS24080318-09	Total/NA	Water	8260C	
860-80414-10	HS24080318-10	Total/NA	Water	8260C	
860-80414-11	HS24080318-11	Total/NA	Water	8260C	
860-80414-12	HS24080318-12	Total/NA	Water	8260C	
MB 860-181781/8	Method Blank	Total/NA	Water	8260C	
LCS 860-181781/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-181781/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 181856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-80414-2 - DL	HS24080318-02	Total/NA	Water	8260C	
860-80414-3 - DL	HS24080318-03	Total/NA	Water	8260C	
860-80414-12 - DL	HS24080318-12	Total/NA	Water	8260C	
LB 860-181736/1-A	Method Blank	Total/NA	Water	8260C	181736
MB 860-181856/11	Method Blank	Total/NA	Water	8260C	
LCS 860-181856/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-181856/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 182074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-80414-5	HS24080318-05	Total/NA	Water	8260C	
MB 860-182074/9	Method Blank	Total/NA	Water	8260C	
LCS 860-182074/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-182074/4	Lab Control Sample Dup	Total/NA	Water	8260C	
860-80414-5 MS	HS24080318-05	Total/NA	Water	8260C	

Lab Chronicle

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Client Sample ID: HS24080318-01
Date Collected: 08/02/24 08:45
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 18:35	KLV	EET HOU

Client Sample ID: HS24080318-02
Date Collected: 08/02/24 10:10
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 18:56	KLV	EET HOU
Total/NA	Analysis	8260C	DL	10	5 mL	5 mL	181856	08/16/24 13:21	KLV	EET HOU

Client Sample ID: HS24080318-03
Date Collected: 08/02/24 11:30
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 19:16	KLV	EET HOU
Total/NA	Analysis	8260C	DL	10	5 mL	5 mL	181856	08/16/24 13:42	KLV	EET HOU

Client Sample ID: HS24080318-04
Date Collected: 08/02/24 12:35
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 19:37	KLV	EET HOU

Client Sample ID: HS24080318-05
Date Collected: 08/02/24 14:25
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 19:57	KLV	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	182074	08/16/24 17:47	KLV	EET HOU

Client Sample ID: HS24080318-06
Date Collected: 08/02/24 15:10
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 20:18	KLV	EET HOU

Client Sample ID: HS24080318-07
Date Collected: 08/02/24 15:30
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 20:38	KLV	EET HOU

Lab Chronicle

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Client Sample ID: HS24080318-08
Date Collected: 08/02/24 09:32
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 20:59	KLV	EET HOU

Client Sample ID: HS24080318-09
Date Collected: 08/02/24 11:05
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 21:19	KLV	EET HOU

Client Sample ID: HS24080318-10
Date Collected: 08/02/24 13:20
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 21:40	KLV	EET HOU

Client Sample ID: HS24080318-11
Date Collected: 08/02/24 14:32
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 22:00	KLV	EET HOU

Client Sample ID: HS24080318-12
Date Collected: 08/02/24 15:30
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80414-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181781	08/15/24 22:20	KLV	EET HOU
Total/NA	Analysis	8260C	DL	5	5 mL	5 mL	181856	08/16/24 13:01	KLV	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-25

Method Summary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
5030C	Purge and Trap	SW846	EET HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: ALS Group USA Corp
Project/Site: HS24080318

Job ID: 860-80414-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-80414-1	HS24080318-01	Water	08/02/24 08:45	08/13/24 15:15
860-80414-2	HS24080318-02	Water	08/02/24 10:10	08/13/24 15:15
860-80414-3	HS24080318-03	Water	08/02/24 11:30	08/13/24 15:15
860-80414-4	HS24080318-04	Water	08/02/24 12:35	08/13/24 15:15
860-80414-5	HS24080318-05	Water	08/02/24 14:25	08/13/24 15:15
860-80414-6	HS24080318-06	Water	08/02/24 15:10	08/13/24 15:15
860-80414-7	HS24080318-07	Water	08/02/24 15:30	08/13/24 15:15
860-80414-8	HS24080318-08	Water	08/02/24 09:32	08/13/24 15:15
860-80414-9	HS24080318-09	Water	08/02/24 11:05	08/13/24 15:15
860-80414-10	HS24080318-10	Water	08/02/24 13:20	08/13/24 15:15
860-80414-11	HS24080318-11	Water	08/02/24 14:32	08/13/24 15:15
860-80414-12	HS24080318-12	Water	08/02/24 15:30	08/13/24 15:15

860-80414 Chain of Custody

10450 Stancliff Rd, Ste 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26639**

SUBCONTRACT TO:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis aguilar@alsglobal com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	HS24080318
TSR:	Ron Martino

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	**HS24080318-01**	**WG-1620-MW58A-20240802**	**Groundwater**	**02 Aug 2024 08:45**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
2.	**HS24080318-02**	**WG-1620-MW18A-20240802**	**Groundwater**	**02 Aug 2024 10:10**
	8260 Select list (7)+ Vinyl Chloride , mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
3.	**HS24080318-03**	**WG-1620-MW18C-20240802**	**Groundwater**	**02 Aug 2024 11:30**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
4.	**HS24080318-04**	**WG-1620-MW23C-20240802**	**Groundwater**	**02 Aug 2024 12:35**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
5.	**HS24080318-05**	**WG-1620-P11-20240802**	**Groundwater**	**02 Aug 2024 14:25**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
6.	**HS24080318-06**	**WG-1620-MW05-20240802**	**Groundwater**	**02 Aug 2024 15:10**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
7.	**HS24080318-07**	**WG-1620-FB05-20240802**	**Groundwater**	**02 Aug 2024 15:30**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
8.	**HS24080318-08**	**WG-1620-MW86C-20240802**	**Groundwater**	**02 Aug 2024 09:32**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
9.	**HS24080318-09**	**WG-1620-MW49A-20240802**	**Groundwater**	**02 Aug 2024 11:05**

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID: 26639**

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
10.	**HS24080318-10**	**WG-1620-MW12B-20240802**	**Groundwater**	**02 Aug 2024 13:20**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
11.	**HS24080318-11**	**WG-1620-TW41B-20240802**	**Groundwater**	**02 Aug 2024 14:32**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024
12.	**HS24080318-12**	**WG-1620-MW41B-20240802**	**Groundwater**	**02 Aug 2024 15:30**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			16 Aug 2024

Comments: Please analyze for the analysis listed above
Send report to the emails shown above
Select list 1,2 Dichloroethane, Benzene, Chlorobenzene, Ethylbenzene, Methylene Chloride, Toluene, Xylenes (Total)
Sample (02) Select list + Vinyl chl
SHORT HOLD TIME

QC Level: TRRP LRC (TRRP checklist only+Level II (normal))

Temp: 4.8 IR ID:HOU-368
C/F:+0.2
Corrected Temp: 5.0

Relinquished By	D S	Date/Time	8.13.24 1515
Received By	Sandra Jones	Date/Time	8/13/24 1515
Cooler ID(s)		Temperature(s)	

10450 Stancliff Rd, Ste 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Purchase Order

PO: HS24080318

VENDOR:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis.Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis.aguilar@alsglobal com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	26639
TSR:	Ron Martino

	Item	Catalog No	Unit Price	Quantity	Ext Price
1	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD	SUBCONTRACT		12	

Order Total:

Login Sample Receipt Checklist

Client: ALS Group USA Corp

Job Number: 860-80414-1

Login Number: 80414
List Number: 1
Creator: Torres, Sandra

List Source: Eurofins Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 23, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24080337**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 11 sample(s) on Aug 02, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24080337**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS24080337**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/23/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080337					
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215895,215897,215947,R475034					
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				4
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/23/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24080337				
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215895,215897,215947,R475034				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/23/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24080337
Reviewer Name: Luis.Aguilar	Prep Batch Number(s): 215895,215897,215947,R475034

ER#[5]	Description
1	Semivolatiles Method SW8270, sample WG-1620-MW44A-20240801, surrogate 2-Fluorobiphenyl due to sample matrix, recovery was above 10% so the method allows for one base surrogate to be outside detection limits. Semivolatiles Method SW8270, sample WG-1620-MW46C-20240801, surrogate 4-Terphenyl-d14 was above the recovery limit due to sample matrix, recovery was above 10% so the method allows for one base surrogate to be outside detection limits. Semivolatiles Method SW8270, samples WG-1620-MW45C-20240801, WG-1620-MW34CR-20240801, WG-1620-MW72B-20240801, WG-1620-MW17C-20240801, WG-1620-MW17-20240801, WG-1620-MW57B-20240801, WG-1620-MW57A-20240801 the surrogate recoveries could not be determined due to dilution below the calibration range could
2	Batch 215947, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	The analysis for 8260 Select list (7) VOCs was subcontracted to Eurofins Laboratories Envt Testing in Stafford TX. Report and Laboratory Review Checklist are attached to the final report
4	Batch 215947, Semivolatiles Method SW8270, for multiple samples: THE GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24080337

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24080337-01	WG-1620-MW44A-20240801	Groundwater		01-Aug-2024 08:35	02-Aug-2024 13:50	☐
HS24080337-02	WG-1620-MW45C-20240801	Groundwater		01-Aug-2024 09:20	02-Aug-2024 13:50	☐
HS24080337-03	WG-1620-MW34CR-20240801	Groundwater		01-Aug-2024 10:50	02-Aug-2024 13:50	☐
HS24080337-04	WG-1620-MW44C-20240801	Groundwater		01-Aug-2024 11:55	02-Aug-2024 13:50	☐
HS24080337-05	WG-1620-MW46C-20240801	Groundwater		01-Aug-2024 12:50	02-Aug-2024 13:50	☐
HS24080337-06	WG-1620-MW72B-20240801	Groundwater		01-Aug-2024 15:30	02-Aug-2024 13:50	☐
HS24080337-07	WG-1620-MW17C-20240801	Groundwater		01-Aug-2024 10:06	02-Aug-2024 13:50	☐
HS24080337-08	WG-1620-MW17-20240801	Groundwater		01-Aug-2024 11:25	02-Aug-2024 13:50	☐
HS24080337-09	WG-1620-MW19C-20240801	Groundwater		01-Aug-2024 14:00	02-Aug-2024 13:50	☐
HS24080337-10	WG-1620-MW57B-20240801	Groundwater		01-Aug-2024 15:18	02-Aug-2024 13:50	☐
HS24080337-11	WG-1620-MW57A-20240801	Groundwater		01-Aug-2024 16:23	02-Aug-2024 13:50	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW44A-20240801
Collection Date: 01-Aug-2024 08:35

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	19-Aug-2024 21:09
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	19-Aug-2024 21:09
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	19-Aug-2024 21:09
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	19-Aug-2024 21:09
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	19-Aug-2024 21:09
2-Methylnaphthalene	**0.000047**	J	**0.000019**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	19-Aug-2024 21:09
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	19-Aug-2024 21:09
Acenaphthene	**0.030**		**0.00027**	**0.0010**	**mg/L**	10	19-Aug-2024 20:23
Acenaphthylene	**0.00014**		**0.000015**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
Anthracene	**0.00032**		**0.000014**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	19-Aug-2024 21:09
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	19-Aug-2024 21:09
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	19-Aug-2024 21:09
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	19-Aug-2024 21:09
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	19-Aug-2024 21:09
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	19-Aug-2024 21:09
Dibenzofuran	**0.00024**		**0.000020**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
Fluoranthene	**0.0010**		**0.000010**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
Fluorene	**0.0088**		**0.000030**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	19-Aug-2024 21:09
Naphthalene	**0.00032**		**0.000020**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	19-Aug-2024 21:09
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	19-Aug-2024 21:09
Phenanthrene	**0.00054**		**0.000021**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	19-Aug-2024 21:09
Pyrene	**0.0014**		**0.000019**	**0.00010**	**mg/L**	1	19-Aug-2024 21:09
Surr: 2,4,6-Tribromophenol	*41.5*			*34-129*	*%REC*	*10*	*19-Aug-2024 20:23*
Surr: 2,4,6-Tribromophenol	*83.4*			*34-129*	*%REC*	*1*	*19-Aug-2024 21:09*
Surr: 2-Fluorobiphenyl	*102*			*40-125*	*%REC*	*10*	*19-Aug-2024 20:23*
Surr: 2-Fluorobiphenyl	*167*	*S*		*40-125*	*%REC*	*1*	*19-Aug-2024 21:09*
Surr: 2-Fluorophenol	*86.6*			*20-120*	*%REC*	*10*	*19-Aug-2024 20:23*
Surr: 2-Fluorophenol	*79.3*			*20-120*	*%REC*	*1*	*19-Aug-2024 21:09*
Surr: 4-Terphenyl-d14	*110*			*40-135*	*%REC*	*10*	*19-Aug-2024 20:23*
Surr: 4-Terphenyl-d14	*108*			*40-135*	*%REC*	*1*	*19-Aug-2024 21:09*
Surr: Nitrobenzene-d5	*98.6*			*41-120*	*%REC*	*10*	*19-Aug-2024 20:23*
Surr: Nitrobenzene-d5	*88.3*			*41-120*	*%REC*	*1*	*19-Aug-2024 21:09*
Surr: Phenol-d6	*87.4*			*20-120*	*%REC*	*1*	*19-Aug-2024 21:09*
Surr: Phenol-d6	*94.5*			*20-120*	*%REC*	*10*	*19-Aug-2024 20:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW44A-20240801
Collection Date: 01-Aug-2024 08:35

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0206**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:55
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW45C-20240801
Collection Date: 01-Aug-2024 09:20

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	21-Aug-2024 16:56
2,4-Dimethylphenol	**0.012**	J	**0.0040**	**0.020**	**mg/L**	100	21-Aug-2024 16:56
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	21-Aug-2024 16:56
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	21-Aug-2024 16:56
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	21-Aug-2024 16:56
2-Methylnaphthalene	**0.052**		**0.0019**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	21-Aug-2024 16:56
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	21-Aug-2024 16:56
Acenaphthene	**0.036**		**0.0027**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	21-Aug-2024 16:56
Anthracene	**0.012**		**0.0014**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	21-Aug-2024 16:56
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	21-Aug-2024 16:56
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	21-Aug-2024 16:56
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	21-Aug-2024 16:56
Chrysene	**0.0034**	J	**0.0021**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	21-Aug-2024 16:56
Dibenzofuran	**0.033**		**0.0020**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Fluoranthene	**0.021**		**0.0010**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Fluorene	**0.022**		**0.0030**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	21-Aug-2024 16:56
Naphthalene	**0.11**		**0.0020**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	21-Aug-2024 16:56
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	21-Aug-2024 16:56
Phenanthrene	**0.048**		**0.0021**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Phenol	< 0.0035		0.0035	0.020	mg/L	100	21-Aug-2024 16:56
Pyrene	**0.015**		**0.0019**	**0.010**	**mg/L**	100	21-Aug-2024 16:56
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*21-Aug-2024 16:56*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*21-Aug-2024 16:56*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*21-Aug-2024 16:56*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*21-Aug-2024 16:56*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*21-Aug-2024 16:56*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*21-Aug-2024 16:56*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0507**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 22:57
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW34CR-20240801
Collection Date: 01-Aug-2024 10:50

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	15-Aug-2024 18:49
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	15-Aug-2024 18:49
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	15-Aug-2024 18:49
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	15-Aug-2024 18:49
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	15-Aug-2024 18:49
2-Methylnaphthalene	**0.00068**		**0.000019**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	15-Aug-2024 18:49
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	15-Aug-2024 18:49
Acenaphthene	**0.00013**		**0.000027**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	15-Aug-2024 18:49
Anthracene	**0.000037**	J	**0.000014**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	15-Aug-2024 18:49
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	15-Aug-2024 18:49
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	15-Aug-2024 18:49
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	15-Aug-2024 18:49
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	15-Aug-2024 18:49
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	15-Aug-2024 18:49
Dibenzofuran	**0.00019**		**0.000020**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
Fluoranthene	**0.000052**	J	**0.000010**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
Fluorene	**0.000095**	J	**0.000030**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	15-Aug-2024 18:49
Naphthalene	**0.011**		**0.00040**	**0.0020**	**mg/L**	20	17-Aug-2024 22:43
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	15-Aug-2024 18:49
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	15-Aug-2024 18:49
Phenanthrene	**0.00015**		**0.000021**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	15-Aug-2024 18:49
Pyrene	**0.000034**	J	**0.000019**	**0.00010**	**mg/L**	1	15-Aug-2024 18:49
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*20*	*17-Aug-2024 22:43*
Surr: 2,4,6-Tribromophenol	*103*			*34-129*	*%REC*	*1*	*15-Aug-2024 18:49*
Surr: 2-Fluorobiphenyl	*97.8*			*40-125*	*%REC*	*1*	*15-Aug-2024 18:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20*	*17-Aug-2024 22:43*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*20*	*17-Aug-2024 22:43*
Surr: 2-Fluorophenol	*85.3*			*20-120*	*%REC*	*1*	*15-Aug-2024 18:49*
Surr: 4-Terphenyl-d14	*107*			*40-135*	*%REC*	*1*	*15-Aug-2024 18:49*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20*	*17-Aug-2024 22:43*
Surr: Nitrobenzene-d5	*96.4*			*41-120*	*%REC*	*1*	*15-Aug-2024 18:49*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20*	*17-Aug-2024 22:43*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*20*	*17-Aug-2024 22:43*
Surr: Phenol-d6	*93.3*			*20-120*	*%REC*	*1*	*15-Aug-2024 18:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW34CR-20240801
Collection Date: 01-Aug-2024 10:50

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00197**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:00
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW44C-20240801
Collection Date: 01-Aug-2024 11:55

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000042		0.000042	0.00040	mg/L	2	21-Aug-2024 03:10
2,4-Dimethylphenol	< 0.000080		0.000080	0.00040	mg/L	2	21-Aug-2024 03:10
2,4-Dinitrotoluene	< 0.00012		0.00012	0.00040	mg/L	2	21-Aug-2024 03:10
2,6-Dinitrotoluene	< 0.000084		0.000084	0.00040	mg/L	2	21-Aug-2024 03:10
2-Chloronaphthalene	< 0.000042		0.000042	0.00040	mg/L	2	21-Aug-2024 03:10
2-Methylnaphthalene	**0.00041**		**0.000038**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
4,6-Dinitro-2-methylphenol	< 0.000040		0.000040	0.0020	mg/L	2	21-Aug-2024 03:10
4-Nitrophenol	< 0.000094		0.000094	0.0020	mg/L	2	21-Aug-2024 03:10
Acenaphthene	**0.00052**		**0.000054**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Acenaphthylene	**0.000039**	J	**0.000030**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Anthracene	**0.00017**	J	**0.000028**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Benz(a)anthracene	< 0.00010		0.00010	0.00020	mg/L	2	21-Aug-2024 03:10
Benzo(a)pyrene	< 0.000040		0.000040	0.00020	mg/L	2	21-Aug-2024 03:10
Bis(2-chloroethoxy)methane	< 0.000060		0.000060	0.00040	mg/L	2	21-Aug-2024 03:10
Bis(2-ethylhexyl)phthalate	< 0.000074		0.000074	0.00040	mg/L	2	21-Aug-2024 03:10
Chrysene	< 0.000042		0.000042	0.00020	mg/L	2	21-Aug-2024 03:10
Di-n-butyl phthalate	< 0.000040		0.000040	0.00040	mg/L	2	21-Aug-2024 03:10
Dibenzofuran	**0.00066**		**0.000040**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Fluoranthene	**0.00014**	J	**0.000020**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Fluorene	**0.00036**		**0.000060**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
N-Nitrosodiphenylamine	< 0.000050		0.000050	0.00040	mg/L	2	21-Aug-2024 03:10
Naphthalene	**0.0034**		**0.000040**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Nitrobenzene	< 0.000048		0.000048	0.00040	mg/L	2	21-Aug-2024 03:10
Pentachlorophenol	< 0.00016		0.00016	0.00040	mg/L	2	21-Aug-2024 03:10
Phenanthrene	**0.00067**		**0.000042**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Phenol	< 0.000070		0.000070	0.00040	mg/L	2	21-Aug-2024 03:10
Pyrene	**0.000097**	J	**0.000038**	**0.00020**	**mg/L**	2	21-Aug-2024 03:10
Surr: 2,4,6-Tribromophenol	*62.7*			*34-129*	*%REC*	*2*	*21-Aug-2024 03:10*
Surr: 2-Fluorobiphenyl	*67.1*			*40-125*	*%REC*	*2*	*21-Aug-2024 03:10*
Surr: 2-Fluorophenol	*57.8*			*20-120*	*%REC*	*2*	*21-Aug-2024 03:10*
Surr: 4-Terphenyl-d14	*81.5*			*40-135*	*%REC*	*2*	*21-Aug-2024 03:10*
Surr: Nitrobenzene-d5	*64.6*			*41-120*	*%REC*	*2*	*21-Aug-2024 03:10*
Surr: Phenol-d6	*60.7*			*20-120*	*%REC*	*2*	*21-Aug-2024 03:10*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00943**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:02
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW46C-20240801
Collection Date: 01-Aug-2024 12:50

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	15-Aug-2024 19:12
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	15-Aug-2024 19:12
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	15-Aug-2024 19:12
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	15-Aug-2024 19:12
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	15-Aug-2024 19:12
2-Methylnaphthalene	**0.00071**		**0.000019**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	15-Aug-2024 19:12
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	15-Aug-2024 19:12
Acenaphthene	**0.0017**		**0.000027**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Acenaphthylene	**0.00013**		**0.000015**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Anthracene	**0.0049**		**0.000014**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Benz(a)anthracene	**0.0024**		**0.000050**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Benzo(a)pyrene	**0.0010**		**0.000020**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	15-Aug-2024 19:12
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	15-Aug-2024 19:12
Chrysene	**0.0022**		**0.000021**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	15-Aug-2024 19:12
Dibenzofuran	**0.0017**		**0.000020**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Fluoranthene	**0.016**		**0.00010**	**0.0010**	**mg/L**	10	21-Aug-2024 02:47
Fluorene	**0.0021**		**0.000030**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	15-Aug-2024 19:12
Naphthalene	**0.00063**		**0.000020**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	15-Aug-2024 19:12
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	15-Aug-2024 19:12
Phenanthrene	**0.0091**		**0.000021**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	15-Aug-2024 19:12
Pyrene	**0.0072**		**0.000019**	**0.00010**	**mg/L**	1	15-Aug-2024 19:12
Surr: 2,4,6-Tribromophenol	*87.1*			*34-129*	*%REC*	*1*	*15-Aug-2024 19:12*
Surr: 2,4,6-Tribromophenol	*89.2*			*34-129*	*%REC*	*10*	*21-Aug-2024 02:47*
Surr: 2-Fluorobiphenyl	*120*			*40-125*	*%REC*	*10*	*21-Aug-2024 02:47*
Surr: 2-Fluorobiphenyl	*84.1*			*40-125*	*%REC*	*1*	*15-Aug-2024 19:12*
Surr: 2-Fluorophenol	*70.9*			*20-120*	*%REC*	*1*	*15-Aug-2024 19:12*
Surr: 2-Fluorophenol	*96.7*			*20-120*	*%REC*	*10*	*21-Aug-2024 02:47*
Surr: 4-Terphenyl-d14	*94.1*			*40-135*	*%REC*	*1*	*15-Aug-2024 19:12*
Surr: 4-Terphenyl-d14	*153*	*S*		*40-135*	*%REC*	*10*	*21-Aug-2024 02:47*
Surr: Nitrobenzene-d5	*115*			*41-120*	*%REC*	*10*	*21-Aug-2024 02:47*
Surr: Nitrobenzene-d5	*83.7*			*41-120*	*%REC*	*1*	*15-Aug-2024 19:12*
Surr: Phenol-d6	*108*			*20-120*	*%REC*	*10*	*21-Aug-2024 02:47*
Surr: Phenol-d6	*78.7*			*20-120*	*%REC*	*1*	*15-Aug-2024 19:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW46C-20240801
Collection Date: 01-Aug-2024 12:50

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	07-Aug-2024 23:04
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW72B-20240801
Collection Date: 01-Aug-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 16:55
2,4-Dimethylphenol	**4.5**		**0.040**	**0.20**	**mg/L**	1000	21-Aug-2024 16:10
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	19-Aug-2024 16:55
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	19-Aug-2024 16:55
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 16:55
2-Methylnaphthalene	**0.11**		**0.0019**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	19-Aug-2024 16:55
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	19-Aug-2024 16:55
Acenaphthene	**0.056**		**0.0027**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	19-Aug-2024 16:55
Anthracene	**0.0074**	J	**0.0014**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	19-Aug-2024 16:55
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	19-Aug-2024 16:55
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	19-Aug-2024 16:55
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	19-Aug-2024 16:55
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	19-Aug-2024 16:55
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	19-Aug-2024 16:55
Dibenzofuran	**0.064**		**0.0020**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
Fluoranthene	**0.0074**	J	**0.0010**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
Fluorene	**0.032**		**0.0030**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	19-Aug-2024 16:55
Naphthalene	**3.9**		**0.020**	**0.10**	**mg/L**	1000	21-Aug-2024 16:10
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	19-Aug-2024 16:55
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	19-Aug-2024 16:55
Phenanthrene	**0.043**		**0.0021**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
Phenol	**0.92**		**0.0035**	**0.020**	**mg/L**	100	19-Aug-2024 16:55
Pyrene	**0.0061**	J	**0.0019**	**0.010**	**mg/L**	100	19-Aug-2024 16:55
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*19-Aug-2024 16:55*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*21-Aug-2024 16:10*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*21-Aug-2024 16:10*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*19-Aug-2024 16:55*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 16:55*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Aug-2024 16:10*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*21-Aug-2024 16:10*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*19-Aug-2024 16:55*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*19-Aug-2024 16:55*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*21-Aug-2024 16:10*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Aug-2024 16:10*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 16:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW72B-20240801
Collection Date: 01-Aug-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00318**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:07
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW17C-20240801
Collection Date: 01-Aug-2024 10:06

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.010		0.010	0.10	mg/L	500	21-Aug-2024 17:20
2,4-Dimethylphenol	< 0.020		0.020	0.10	mg/L	500	21-Aug-2024 17:20
2,4-Dinitrotoluene	< 0.029		0.029	0.10	mg/L	500	21-Aug-2024 17:20
2,6-Dinitrotoluene	< 0.021		0.021	0.10	mg/L	500	21-Aug-2024 17:20
2-Chloronaphthalene	< 0.010		0.010	0.10	mg/L	500	21-Aug-2024 17:20
2-Methylnaphthalene	**0.076**		**0.0095**	**0.050**	**mg/L**	500	21-Aug-2024 17:20
4,6-Dinitro-2-methylphenol	< 0.010		0.010	0.50	mg/L	500	21-Aug-2024 17:20
4-Nitrophenol	< 0.024		0.024	0.50	mg/L	500	21-Aug-2024 17:20
Acenaphthene	**0.11**		**0.014**	**0.050**	**mg/L**	500	21-Aug-2024 17:20
Acenaphthylene	< 0.0075		0.0075	0.050	mg/L	500	21-Aug-2024 17:20
Anthracene	< 0.0070		0.0070	0.050	mg/L	500	21-Aug-2024 17:20
Benz(a)anthracene	< 0.025		0.025	0.050	mg/L	500	21-Aug-2024 17:20
Benzo(a)pyrene	< 0.010		0.010	0.050	mg/L	500	21-Aug-2024 17:20
Bis(2-chloroethoxy)methane	< 0.015		0.015	0.10	mg/L	500	21-Aug-2024 17:20
Bis(2-ethylhexyl)phthalate	< 0.018		0.018	0.10	mg/L	500	21-Aug-2024 17:20
Chrysene	< 0.010		0.010	0.050	mg/L	500	21-Aug-2024 17:20
Di-n-butyl phthalate	< 0.010		0.010	0.10	mg/L	500	21-Aug-2024 17:20
Dibenzofuran	**0.094**		**0.010**	**0.050**	**mg/L**	500	21-Aug-2024 17:20
Fluoranthene	< 0.0050		0.0050	0.050	mg/L	500	21-Aug-2024 17:20
Fluorene	**0.051**		**0.015**	**0.050**	**mg/L**	500	21-Aug-2024 17:20
N-Nitrosodiphenylamine	< 0.012		0.012	0.10	mg/L	500	21-Aug-2024 17:20
Naphthalene	**3.7**		**0.010**	**0.050**	**mg/L**	500	21-Aug-2024 17:20
Nitrobenzene	< 0.012		0.012	0.10	mg/L	500	21-Aug-2024 17:20
Pentachlorophenol	< 0.040		0.040	0.10	mg/L	500	21-Aug-2024 17:20
Phenanthrene	**0.059**		**0.010**	**0.050**	**mg/L**	500	21-Aug-2024 17:20
Phenol	< 0.018		0.018	0.10	mg/L	500	21-Aug-2024 17:20
Pyrene	< 0.0095		0.0095	0.050	mg/L	500	21-Aug-2024 17:20
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*500*	*21-Aug-2024 17:20*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*500*	*21-Aug-2024 17:20*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*500*	*21-Aug-2024 17:20*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*500*	*21-Aug-2024 17:20*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*500*	*21-Aug-2024 17:20*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*500*	*21-Aug-2024 17:20*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00898**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:09
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW17-20240801
Collection Date: 01-Aug-2024 11:25

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 16:09
2,4-Dimethylphenol	**0.79**		**0.0040**	**0.020**	**mg/L**	100	19-Aug-2024 16:09
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	19-Aug-2024 16:09
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	19-Aug-2024 16:09
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 16:09
2-Methylnaphthalene	**0.19**		**0.0019**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	19-Aug-2024 16:09
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	19-Aug-2024 16:09
Acenaphthene	**0.073**		**0.0027**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
Acenaphthylene	**0.0030**	J	**0.0015**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
Anthracene	**0.0038**	J	**0.0014**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	19-Aug-2024 16:09
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	19-Aug-2024 16:09
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	19-Aug-2024 16:09
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	19-Aug-2024 16:09
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	19-Aug-2024 16:09
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	19-Aug-2024 16:09
Dibenzofuran	**0.051**		**0.0020**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
Fluoranthene	**0.0014**	J	**0.0010**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
Fluorene	**0.031**		**0.0030**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	19-Aug-2024 16:09
Naphthalene	**5.3**		**0.020**	**0.10**	**mg/L**	1000	21-Aug-2024 03:33
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	19-Aug-2024 16:09
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	19-Aug-2024 16:09
Phenanthrene	**0.025**		**0.0021**	**0.010**	**mg/L**	100	19-Aug-2024 16:09
Phenol	**0.68**		**0.0035**	**0.020**	**mg/L**	100	19-Aug-2024 16:09
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	19-Aug-2024 16:09
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*19-Aug-2024 16:09*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*21-Aug-2024 03:33*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*21-Aug-2024 03:33*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*19-Aug-2024 16:09*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 16:09*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Aug-2024 03:33*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*21-Aug-2024 03:33*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*19-Aug-2024 16:09*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*21-Aug-2024 03:33*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*19-Aug-2024 16:09*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 16:09*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Aug-2024 03:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24080337
Sample ID: WG-1620-MW17-20240801
Lab ID:HS24080337-08
Collection Date: 01-Aug-2024 11:25
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0534**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:12
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW19C-20240801
Collection Date: 01-Aug-2024 14:00

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000042		0.000042	0.00040	mg/L	2	19-Aug-2024 17:42
2,4-Dimethylphenol	**0.00036**	J	**0.000080**	**0.00040**	**mg/L**	2	19-Aug-2024 17:42
2,4-Dinitrotoluene	< 0.00012		0.00012	0.00040	mg/L	2	19-Aug-2024 17:42
2,6-Dinitrotoluene	**0.00015**	J	**0.000084**	**0.00040**	**mg/L**	2	19-Aug-2024 17:42
2-Chloronaphthalene	< 0.000042		0.000042	0.00040	mg/L	2	19-Aug-2024 17:42
2-Methylnaphthalene	**0.00056**		**0.000038**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
4,6-Dinitro-2-methylphenol	< 0.000040		0.000040	0.0020	mg/L	2	19-Aug-2024 17:42
4-Nitrophenol	< 0.000094		0.000094	0.0020	mg/L	2	19-Aug-2024 17:42
Acenaphthene	**0.00080**		**0.000054**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
Acenaphthylene	< 0.000030		0.000030	0.00020	mg/L	2	19-Aug-2024 17:42
Anthracene	**0.000064**	J	**0.000028**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
Benz(a)anthracene	< 0.00010		0.00010	0.00020	mg/L	2	19-Aug-2024 17:42
Benzo(a)pyrene	< 0.000040		0.000040	0.00020	mg/L	2	19-Aug-2024 17:42
Bis(2-chloroethoxy)methane	< 0.000060		0.000060	0.00040	mg/L	2	19-Aug-2024 17:42
Bis(2-ethylhexyl)phthalate	< 0.000074		0.000074	0.00040	mg/L	2	19-Aug-2024 17:42
Chrysene	< 0.000042		0.000042	0.00020	mg/L	2	19-Aug-2024 17:42
Di-n-butyl phthalate	< 0.000040		0.000040	0.00040	mg/L	2	19-Aug-2024 17:42
Dibenzofuran	**0.00071**		**0.000040**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
Fluoranthene	**0.00016**	J	**0.000020**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
Fluorene	**0.00063**		**0.000060**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
N-Nitrosodiphenylamine	< 0.000050		0.000050	0.00040	mg/L	2	19-Aug-2024 17:42
Naphthalene	**0.0014**		**0.000040**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
Nitrobenzene	< 0.000048		0.000048	0.00040	mg/L	2	19-Aug-2024 17:42
Pentachlorophenol	< 0.00016		0.00016	0.00040	mg/L	2	19-Aug-2024 17:42
Phenanthrene	**0.00039**		**0.000042**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
Phenol	< 0.000070		0.000070	0.00040	mg/L	2	19-Aug-2024 17:42
Pyrene	**0.00041**		**0.000038**	**0.00020**	**mg/L**	2	19-Aug-2024 17:42
Surr: 2,4,6-Tribromophenol	*51.7*			*34-129*	*%REC*	*2*	*19-Aug-2024 17:42*
Surr: 2-Fluorobiphenyl	*55.3*			*40-125*	*%REC*	*2*	*19-Aug-2024 17:42*
Surr: 2-Fluorophenol	*57.9*			*20-120*	*%REC*	*2*	*19-Aug-2024 17:42*
Surr: 4-Terphenyl-d14	*135*			*40-135*	*%REC*	*2*	*19-Aug-2024 17:42*
Surr: Nitrobenzene-d5	*64.6*			*41-120*	*%REC*	*2*	*19-Aug-2024 17:42*
Surr: Phenol-d6	*61.0*			*20-120*	*%REC*	*2*	*19-Aug-2024 17:42*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.000978**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:26
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57B-20240801
Collection Date: 01-Aug-2024 15:18

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 16:32
2,4-Dimethylphenol	**4.0**		**0.20**	**1.0**	**mg/L**	5000	21-Aug-2024 07:44
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	19-Aug-2024 16:32
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	19-Aug-2024 16:32
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	19-Aug-2024 16:32
2-Methylnaphthalene	**0.20**		**0.0019**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	19-Aug-2024 16:32
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	19-Aug-2024 16:32
Acenaphthene	**0.11**		**0.0027**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Acenaphthylene	**0.0031**	J	**0.0015**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Anthracene	**0.018**		**0.0014**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	19-Aug-2024 16:32
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	19-Aug-2024 16:32
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	19-Aug-2024 16:32
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	19-Aug-2024 16:32
Chrysene	**0.0035**	J	**0.0021**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	19-Aug-2024 16:32
Dibenzofuran	**0.088**		**0.0020**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Fluoranthene	**0.022**		**0.0010**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Fluorene	**0.064**		**0.0030**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	19-Aug-2024 16:32
Naphthalene	**5.7**		**0.10**	**0.50**	**mg/L**	5000	21-Aug-2024 07:44
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	19-Aug-2024 16:32
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	19-Aug-2024 16:32
Phenanthrene	**0.096**		**0.0021**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Phenol	**0.20**		**0.0035**	**0.020**	**mg/L**	100	19-Aug-2024 16:32
Pyrene	**0.014**		**0.0019**	**0.010**	**mg/L**	100	19-Aug-2024 16:32
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*19-Aug-2024 16:32*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*5000*	*21-Aug-2024 07:44*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*5000*	*21-Aug-2024 07:44*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*19-Aug-2024 16:32*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 16:32*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*5000*	*21-Aug-2024 07:44*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*5000*	*21-Aug-2024 07:44*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*19-Aug-2024 16:32*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*5000*	*21-Aug-2024 07:44*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*19-Aug-2024 16:32*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*19-Aug-2024 16:32*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*5000*	*21-Aug-2024 07:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57B-20240801
Collection Date: 01-Aug-2024 15:18

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.00328**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:46
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57A-20240801
Collection Date: 01-Aug-2024 16:23

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 08-Aug-2024		Analyst: EC
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	15-Aug-2024 19:35
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	15-Aug-2024 19:35
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	15-Aug-2024 19:35
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	15-Aug-2024 19:35
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	15-Aug-2024 19:35
2-Methylnaphthalene	**0.0100**		**0.00038**	**0.0020**	**mg/L**	20	17-Aug-2024 23:52
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	15-Aug-2024 19:35
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	15-Aug-2024 19:35
Acenaphthene	**0.025**		**0.00054**	**0.0020**	**mg/L**	20	17-Aug-2024 23:52
Acenaphthylene	**0.00042**		**0.000015**	**0.00010**	**mg/L**	1	15-Aug-2024 19:35
Anthracene	**0.0039**		**0.000014**	**0.00010**	**mg/L**	1	15-Aug-2024 19:35
Benz(a)anthracene	**0.00010**		**0.000050**	**0.00010**	**mg/L**	1	15-Aug-2024 19:35
Benzo(a)pyrene	**0.000032**	J	**0.000020**	**0.00010**	**mg/L**	1	15-Aug-2024 19:35
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	15-Aug-2024 19:35
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	15-Aug-2024 19:35
Chrysene	**0.000096**	J	**0.000021**	**0.00010**	**mg/L**	1	15-Aug-2024 19:35
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	15-Aug-2024 19:35
Dibenzofuran	**0.015**		**0.00040**	**0.0020**	**mg/L**	20	17-Aug-2024 23:52
Fluoranthene	**0.0034**		**0.000010**	**0.00010**	**mg/L**	1	15-Aug-2024 19:35
Fluorene	**0.016**		**0.00060**	**0.0020**	**mg/L**	20	17-Aug-2024 23:52
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	15-Aug-2024 19:35
Naphthalene	**0.012**		**0.00040**	**0.0020**	**mg/L**	20	17-Aug-2024 23:52
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	15-Aug-2024 19:35
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	15-Aug-2024 19:35
Phenanthrene	**0.020**		**0.00042**	**0.0020**	**mg/L**	20	17-Aug-2024 23:52
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	15-Aug-2024 19:35
Pyrene	**0.0018**		**0.000019**	**0.00010**	**mg/L**	1	15-Aug-2024 19:35
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*20*	*17-Aug-2024 23:52*
Surr: 2,4,6-Tribromophenol	*91.4*			*34-129*	*%REC*	*1*	*15-Aug-2024 19:35*
Surr: 2-Fluorobiphenyl	*83.2*			*40-125*	*%REC*	*1*	*15-Aug-2024 19:35*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20*	*17-Aug-2024 23:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*20*	*17-Aug-2024 23:52*
Surr: 2-Fluorophenol	*76.1*			*20-120*	*%REC*	*1*	*15-Aug-2024 19:35*
Surr: 4-Terphenyl-d14	*99.3*			*40-135*	*%REC*	*1*	*15-Aug-2024 19:35*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20*	*17-Aug-2024 23:52*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20*	*17-Aug-2024 23:52*
Surr: Nitrobenzene-d5	*78.5*			*41-120*	*%REC*	*1*	*15-Aug-2024 19:35*
Surr: Phenol-d6	*82.9*			*20-120*	*%REC*	*1*	*15-Aug-2024 19:35*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*20*	*17-Aug-2024 23:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57A-20240801
Collection Date: 01-Aug-2024 16:23

ANALYTICAL REPORT
WorkOrder:HS24080337
Lab ID:HS24080337-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2024		Analyst: MSC
Arsenic	**0.0487**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2024 23:48
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**					Analyst: SUB
Subcontracted Analyses	See Attached		0		NA	1	20-Aug-2024 19:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

Batch ID: 215895 **Start Date:** 07 Aug 2024 10:00 **End Date:** 07 Aug 2024 10:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080337-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-08		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215897 **Start Date:** 07 Aug 2024 10:00 **End Date:** 07 Aug 2024 10:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080337-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24080337-11		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215947 **Start Date:** 08 Aug 2024 12:42 **End Date:** 08 Aug 2024 12:42
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24080337-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24080337-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215895 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24080337-01	WG-1620-MW44A-20240801	01 Aug 2024 08:35		07 Aug 2024 10:00	07 Aug 2024 22:55	1
HS24080337-02	WG-1620-MW45C-20240801	01 Aug 2024 09:20		07 Aug 2024 10:00	07 Aug 2024 22:57	1
HS24080337-03	WG-1620-MW34CR-20240801	01 Aug 2024 10:50		07 Aug 2024 10:00	07 Aug 2024 23:00	1
HS24080337-04	WG-1620-MW44C-20240801	01 Aug 2024 11:55		07 Aug 2024 10:00	07 Aug 2024 23:02	1
HS24080337-05	WG-1620-MW46C-20240801	01 Aug 2024 12:50		07 Aug 2024 10:00	07 Aug 2024 23:04	1
HS24080337-06	WG-1620-MW72B-20240801	01 Aug 2024 15:30		07 Aug 2024 10:00	07 Aug 2024 23:07	1
HS24080337-07	WG-1620-MW17C-20240801	01 Aug 2024 10:06		07 Aug 2024 10:00	07 Aug 2024 23:09	1
HS24080337-08	WG-1620-MW17-20240801	01 Aug 2024 11:25		07 Aug 2024 10:00	07 Aug 2024 23:12	1
Batch ID: 215897 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24080337-09	WG-1620-MW19C-20240801	01 Aug 2024 14:00		07 Aug 2024 10:00	07 Aug 2024 23:26	1
HS24080337-10	WG-1620-MW57B-20240801	01 Aug 2024 15:18		07 Aug 2024 10:00	07 Aug 2024 23:46	1
HS24080337-11	WG-1620-MW57A-20240801	01 Aug 2024 16:23		07 Aug 2024 10:00	07 Aug 2024 23:48	1
Batch ID: 215947 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24080337-01	WG-1620-MW44A-20240801	01 Aug 2024 08:35		08 Aug 2024 12:42	19 Aug 2024 21:09	1
HS24080337-01	WG-1620-MW44A-20240801	01 Aug 2024 08:35		08 Aug 2024 12:42	19 Aug 2024 20:23	10
HS24080337-02	WG-1620-MW45C-20240801	01 Aug 2024 09:20		08 Aug 2024 12:42	21 Aug 2024 16:56	100
HS24080337-03	WG-1620-MW34CR-20240801	01 Aug 2024 10:50		08 Aug 2024 12:42	17 Aug 2024 22:43	20
HS24080337-03	WG-1620-MW34CR-20240801	01 Aug 2024 10:50		08 Aug 2024 12:42	15 Aug 2024 18:49	1
HS24080337-04	WG-1620-MW44C-20240801	01 Aug 2024 11:55		08 Aug 2024 12:42	21 Aug 2024 03:10	2
HS24080337-05	WG-1620-MW46C-20240801	01 Aug 2024 12:50		08 Aug 2024 12:42	21 Aug 2024 02:47	10
HS24080337-05	WG-1620-MW46C-20240801	01 Aug 2024 12:50		08 Aug 2024 12:42	15 Aug 2024 19:12	1
HS24080337-06	WG-1620-MW72B-20240801	01 Aug 2024 15:30		08 Aug 2024 12:42	21 Aug 2024 16:10	1000
HS24080337-06	WG-1620-MW72B-20240801	01 Aug 2024 15:30		08 Aug 2024 12:42	19 Aug 2024 16:55	100
HS24080337-07	WG-1620-MW17C-20240801	01 Aug 2024 10:06		08 Aug 2024 12:42	21 Aug 2024 17:20	500
HS24080337-08	WG-1620-MW17-20240801	01 Aug 2024 11:25		08 Aug 2024 12:42	21 Aug 2024 03:33	1000
HS24080337-08	WG-1620-MW17-20240801	01 Aug 2024 11:25		08 Aug 2024 12:42	19 Aug 2024 16:09	100
HS24080337-09	WG-1620-MW19C-20240801	01 Aug 2024 14:00		08 Aug 2024 12:42	19 Aug 2024 17:42	2
HS24080337-10	WG-1620-MW57B-20240801	01 Aug 2024 15:18		08 Aug 2024 12:42	21 Aug 2024 07:44	5000
HS24080337-10	WG-1620-MW57B-20240801	01 Aug 2024 15:18		08 Aug 2024 12:42	19 Aug 2024 16:32	100
HS24080337-11	WG-1620-MW57A-20240801	01 Aug 2024 16:23		08 Aug 2024 12:42	17 Aug 2024 23:52	20
HS24080337-11	WG-1620-MW57A-20240801	01 Aug 2024 16:23		08 Aug 2024 12:42	15 Aug 2024 19:35	1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R475034 (0)	**Test Name :** SUBCONTRACT ANALYSIS -VOC ANALYSIS				**Matrix:** Groundwater	
HS24080337-01	WG-1620-MW44A-20240801	01 Aug 2024 08:35			20 Aug 2024 19:53	1
HS24080337-02	WG-1620-MW45C-20240801	01 Aug 2024 09:20			20 Aug 2024 19:53	1
HS24080337-03	WG-1620-MW34CR-20240801	01 Aug 2024 10:50			20 Aug 2024 19:53	1
HS24080337-04	WG-1620-MW44C-20240801	01 Aug 2024 11:55			20 Aug 2024 19:53	1
HS24080337-05	WG-1620-MW46C-20240801	01 Aug 2024 12:50			20 Aug 2024 19:53	1
HS24080337-06	WG-1620-MW72B-20240801	01 Aug 2024 15:30			20 Aug 2024 19:53	1
HS24080337-07	WG-1620-MW17C-20240801	01 Aug 2024 10:06			20 Aug 2024 19:53	1
HS24080337-08	WG-1620-MW17-20240801	01 Aug 2024 11:25			20 Aug 2024 19:53	1
HS24080337-09	WG-1620-MW19C-20240801	01 Aug 2024 14:00			20 Aug 2024 19:53	1
HS24080337-10	WG-1620-MW57B-20240801	01 Aug 2024 15:18			20 Aug 2024 19:53	1
HS24080337-11	WG-1620-MW57A-20240801	01 Aug 2024 16:23			20 Aug 2024 19:53	1

WorkOrder: HS24080337
InstrumentID: ICPMS07
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.0100	0.00965	0.000400	0.00200

WorkOrder: HS24080337
InstrumentID: SV-8
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000055	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000047	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000044	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000045	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000061	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000060	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00035	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000046	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.00014	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.00014	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.00014	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.00014	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.00012	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000059	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000048	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.00016	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000055	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.00014	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.00014	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.00014	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000056	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.00014	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000069	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000050	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.00014	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000061	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.00014	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24080337
InstrumentID: Subcontract
Test Code: SUB_VOC
Test Number: SUBCONTRACT
Test Name: Subcontract Analysis -VOC

METHOD DETECTION / REPORTING LIMITS

Matrix: NA **Units:** NA

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Subcontracted Analyses		0	0	0	0

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

QC BATCH REPORT

Batch ID: 215895 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215895** Units: **mg/L** Analysis Date: **07-Aug-2024 21:56**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180830** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215895** Units: **mg/L** Analysis Date: **07-Aug-2024 21:59**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180831** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04895	0.00200	0.05	0	97.9	80 - 120				

MS Sample ID: **HS24080318-05MS** Units: **mg/L** Analysis Date: **07-Aug-2024 22:06**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180794** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1013	0.00200	0.05	0.05619	90.1	80 - 120				

MSD Sample ID: **HS24080318-05MSD** Units: **mg/L** Analysis Date: **07-Aug-2024 22:09**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180795** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1091	0.00200	0.05	0.05619	106	80 - 120	0.1013	7.5	20	

PDS Sample ID: **HS24080318-05PDS** Units: **mg/L** Analysis Date: **07-Aug-2024 22:11**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180796** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1531	0.00200	0.1	0.05619	96.9	75 - 125				

SD Sample ID: **HS24080318-05SD** Units: **mg/L** Analysis Date: **07-Aug-2024 22:04**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180793** PrepDate: **07-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.05514	0.0100					0.05619	1.86	10	

The following samples were analyzed in this batch:

HS24080337-01	HS24080337-02	HS24080337-03	HS24080337-04
HS24080337-05	HS24080337-06	HS24080337-07	HS24080337-08

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

QC BATCH REPORT

Batch ID: 215897 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215897** Units: **mg/L** Analysis Date: **07-Aug-2024 23:21**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180832** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215897** Units: **mg/L** Analysis Date: **07-Aug-2024 23:24**
Client ID: Run ID: **ICPMS07_473903** SeqNo: **8180833** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04846	0.00200	0.05	0	96.9	80 - 120				

MS Sample ID: **HS24080337-09MS** Units: **mg/L** Analysis Date: **07-Aug-2024 23:31**
Client ID: **WG-1620-MW19C-20240801** Run ID: **ICPMS07_473903** SeqNo: **8180836** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04819	0.00200	0.05	0.000978	94.4	80 - 120				

MSD Sample ID: **HS24080337-09MSD** Units: **mg/L** Analysis Date: **07-Aug-2024 23:33**
Client ID: **WG-1620-MW19C-20240801** Run ID: **ICPMS07_473903** SeqNo: **8180837** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0449	0.00200	0.05	0.000978	87.8	80 - 120	0.04819	7.05	20	

PDS Sample ID: **HS24080337-09PDS** Units: **mg/L** Analysis Date: **07-Aug-2024 23:36**
Client ID: **WG-1620-MW19C-20240801** Run ID: **ICPMS07_473903** SeqNo: **8180838** PrepDate: **07-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1023	0.00200	0.1	0.000978	101	75 - 125				

SD Sample ID: **HS24080337-09SD** Units: **mg/L** Analysis Date: **07-Aug-2024 23:29**
Client ID: **WG-1620-MW19C-20240801** Run ID: **ICPMS07_473903** SeqNo: **8180835** PrepDate: **07-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.000978	0	10	

The following samples were analyzed in this batch: HS24080337-09 HS24080337-10 HS24080337-11

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

QC BATCH REPORT

Batch ID: 215947 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215947** Units: **ug/L** Analysis Date: **13-Aug-2024 13:57**
Client ID: Run ID: **SV-8_474506** SeqNo: **8195993** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*4.146*	*0.20*	*5*	*0*	*82.9*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.263*	*0.20*	*5*	*0*	*85.3*	*40 - 125*				
Surr: 2-Fluorophenol	*3.651*	*0.20*	*5*	*0*	*73.0*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.701*	*0.20*	*5*	*0*	*94.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.566*	*0.20*	*5*	*0*	*71.3*	*41 - 120*				
Surr: Phenol-d6	*3.952*	*0.20*	*5*	*0*	*79.0*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

QC BATCH REPORT

Batch ID: 215947 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215947** Units: **ug/L** Analysis Date: **13-Aug-2024 15:29**
Client ID: Run ID: **SV-8_474506** SeqNo: **8195994** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.082	0.20	5	0	81.6	39 - 127				
2,4-Dimethylphenol	3.5	0.20	5	0	70.0	35 - 120				
2,4-Dinitrotoluene	4.523	0.20	5	0	90.5	50 - 122				
2,6-Dinitrotoluene	4.614	0.20	5	0	92.3	50 - 120				
2-Chloronaphthalene	4.517	0.20	5	0	90.3	50 - 120				
2-Methylnaphthalene	4.273	0.10	5	0	85.5	50 - 120				
4,6-Dinitro-2-methylphenol	4.114	1.0	5	0	82.3	25 - 121				
4-Nitrophenol	3.787	1.0	5	0	75.7	30 - 130				
Acenaphthene	4.036	0.10	5	0	80.7	45 - 120				
Acenaphthylene	4.062	0.10	5	0	81.2	47 - 120				
Anthracene	4.149	0.10	5	0	83.0	45 - 120				
Benz(a)anthracene	4.341	0.10	5	0	86.8	40 - 120				
Benzo(a)pyrene	4.381	0.10	5	0	87.6	45 - 120				
Bis(2-chloroethoxy)methane	3.908	0.20	5	0	78.2	45 - 120				
Bis(2-ethylhexyl)phthalate	4.395	0.20	5	0	87.9	40 - 139				
Chrysene	4.116	0.10	5	0	82.3	43 - 120				
Dibenzofuran	4.193	0.10	5	0	83.9	50 - 120				
Di-n-butyl phthalate	4.538	0.20	5	0	90.8	45 - 123				
Fluoranthene	4.171	0.10	5	0	83.4	45 - 125				
Fluorene	4.316	0.10	5	0	86.3	49 - 120				
Naphthalene	3.877	0.10	5	0	77.5	45 - 120				
Nitrobenzene	3.737	0.20	5	0	74.7	44 - 120				
N-Nitrosodiphenylamine	4.235	0.20	5	0	84.7	40 - 125				
Pentachlorophenol	4.212	0.20	5	0	84.2	19 - 121				
Phenanthrene	4.036	0.10	5	0	80.7	45 - 121				
Phenol	4.012	0.20	5	0	80.2	20 - 124				
Pyrene	4.194	0.10	5	0	83.9	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.672*	*0.20*	*5*	*0*	*113*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.725*	*0.20*	*5*	*0*	*94.5*	*40 - 125*				
Surr: 2-Fluorophenol	*4.077*	*0.20*	*5*	*0*	*81.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.298*	*0.20*	*5*	*0*	*106*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.993*	*0.20*	*5*	*0*	*79.9*	*41 - 120*				
Surr: Phenol-d6	*4.494*	*0.20*	*5*	*0*	*89.9*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

QC BATCH REPORT

Batch ID: 215947 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215947** Units: **ug/L** Analysis Date: **13-Aug-2024 15:53**
Client ID: Run ID: **SV-8_474506** SeqNo: **8195995** PrepDate: **08-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.17	0.20	5	0	83.4	39 - 127	4.082	2.13	20	
2,4-Dimethylphenol	3.446	0.20	5	0	68.9	35 - 120	3.5	1.57	20	
2,4-Dinitrotoluene	4.554	0.20	5	0	91.1	50 - 122	4.523	0.677	20	
2,6-Dinitrotoluene	4.634	0.20	5	0	92.7	50 - 120	4.614	0.425	20	
2-Chloronaphthalene	4.58	0.20	5	0	91.6	50 - 120	4.517	1.4	20	
2-Methylnaphthalene	4.306	0.10	5	0	86.1	50 - 120	4.273	0.766	20	
4,6-Dinitro-2-methylphenol	4.175	1.0	5	0	83.5	25 - 121	4.114	1.49	30	
4-Nitrophenol	3.863	1.0	5	0	77.3	30 - 130	3.787	1.99	20	
Acenaphthene	4.012	0.10	5	0	80.2	45 - 120	4.036	0.597	20	
Acenaphthylene	4.084	0.10	5	0	81.7	47 - 120	4.062	0.539	20	
Anthracene	4.246	0.10	5	0	84.9	45 - 120	4.149	2.3	20	
Benz(a)anthracene	4.331	0.10	5	0	86.6	40 - 120	4.341	0.23	20	
Benzo(a)pyrene	4.172	0.10	5	0	83.4	45 - 120	4.381	4.88	20	
Bis(2-chloroethoxy)methane	3.919	0.20	5	0	78.4	45 - 120	3.908	0.269	20	
Bis(2-ethylhexyl)phthalate	4.405	0.20	5	0	88.1	40 - 139	4.395	0.228	20	
Chrysene	4.194	0.10	5	0	83.9	43 - 120	4.116	1.88	20	
Dibenzofuran	4.117	0.10	5	0	82.3	50 - 120	4.193	1.82	20	
Di-n-butyl phthalate	4.512	0.20	5	0	90.2	45 - 123	4.538	0.578	20	
Fluoranthene	4.178	0.10	5	0	83.6	45 - 125	4.171	0.154	20	
Fluorene	4.262	0.10	5	0	85.2	49 - 120	4.316	1.25	20	
Naphthalene	3.871	0.10	5	0	77.4	45 - 120	3.877	0.153	20	
Nitrobenzene	3.772	0.20	5	0	75.4	44 - 120	3.737	0.907	20	
N-Nitrosodiphenylamine	4.356	0.20	5	0	87.1	40 - 125	4.235	2.8	20	
Pentachlorophenol	4.192	0.20	5	0	83.8	19 - 121	4.212	0.488	20	
Phenanthrene	4.081	0.10	5	0	81.6	45 - 121	4.036	1.12	20	
Phenol	3.987	0.20	5	0	79.7	20 - 124	4.012	0.624	20	
Pyrene	4.189	0.10	5	0	83.8	40 - 130	4.194	0.122	20	
Surr: 2,4,6-Tribromophenol	*5.664*	*0.20*	*5*	*0*	*113*	*34 - 129*	*5.672*	*0.138*	*20*	
Surr: 2-Fluorobiphenyl	*4.713*	*0.20*	*5*	*0*	*94.3*	*40 - 125*	*4.725*	*0.254*	*20*	
Surr: 2-Fluorophenol	*4.029*	*0.20*	*5*	*0*	*80.6*	*20 - 120*	*4.077*	*1.2*	*20*	
Surr: 4-Terphenyl-d14	*5.268*	*0.20*	*5*	*0*	*105*	*40 - 135*	*5.298*	*0.577*	*20*	
Surr: Nitrobenzene-d5	*3.969*	*0.20*	*5*	*0*	*79.4*	*41 - 120*	*3.993*	*0.624*	*20*	
Surr: Phenol-d6	*4.441*	*0.20*	*5*	*0*	*88.8*	*20 - 120*	*4.494*	*1.2*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24080337

QC BATCH REPORT

Batch ID: 215947 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24080337-01	HS24080337-02	HS24080337-03	HS24080337-04
HS24080337-05	HS24080337-06	HS24080337-07	HS24080337-08
HS24080337-09	HS24080337-10	HS24080337-11	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24080337**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 23-Aug-24

Sample Receipt Checklist

Work Order ID: HS24080337 **Date/Time Received:** **02-Aug-2024 13:50**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Belinda Gomez	06-Aug-2024 13:36	**Reviewed by:**	/S/ Luis.Aguilar	07-Aug-2024 18:17
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **w** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320565,320981
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.3uc/1.3c,0.9uc/0.9c	ir34	
Cooler(s)/Kit(s):	49467,51486		
Date/Time sample(s) sent to storage:	8/6/24 1340		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
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Houston, TX +1 281 530 5656
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Salt Lake City, UT +1 801 266 7700
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Chain of Custody Form

Page 1 of ____

COC ID: 320565

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92688	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@wsinsolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24080337
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW44A-20240801	8/1/24	835	GW	HNO3,8	6	X	X	X								
2	WG-1620-MW45C-20240801	"	920	"	"	6	X	X	X								
3	WG-1620-MW34CR-20240801	"	1050	"	"	6	X	X	X								
4	WG-1620-MW44C-20240801	"	1155	"	"	6	X	X	X								
5	WG-1620-MW46C-20240801	"	1250	"	"	6	X	X	X								
6	WG-1620-MW72B-20240801	8/1/24	1530	GW	HNO3,8	6	X	X	X								
7							X	X	X								
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Leon St Rose

Shipment Method: Carrier

Required Turnaround Time: (Check Box) ☒ 7 ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Laura Baptista	8-2-24	0810	D Z
Relinquished by: D Z	Date: 8.2.24	Time: 1350	Received by (Laboratory): D Z
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.
49467	1.3
51486	0.9

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

JRM 3/4

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 320981

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	Vinyl Chloride
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24080337
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW17C-20240801	8-1-24	1006	GW	1,2,8	6	X	X	X	X							
2	WG-1620-MW17-20240801		1125				X	X	X								
3	WG-1620-MW19C-20240801		1400				X	X	X								
4	WG-1620-MW57B-20240801		1518				X	X	X								
5	WG-1620-MW57A-20240801		1623				X	X	X								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Dominic Baptiste Dominic Baptiste
Shipment Method: carter
Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour
Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Dominic Baptiste	8-2-24	0810	
Relinquished by:	Date:	Time:	Received by (Laboratory):
	8-2-24	1350	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.
4A467	1.3
51486	0.9

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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3. The Chain of Custody is a legal document. All information must be completed accurately.

3R434 4F0.0

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ANALYTICAL REPORT

PREPARED FOR

Attn: Luis Aguilar
ALS Group USA Corp
10450 Stancliff Rd.
Suite 210
Houston, Texas 77099

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JOB DESCRIPTION

HS24080337

JOB NUMBER

860-80416-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

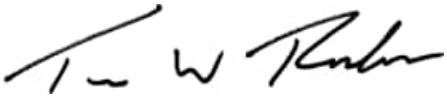
Eurofins Houston

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Travis Richter, Project Manager
Travis.Richter@et.eurofinsus.com
(281)794-7216

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Definitions/Glossary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method 8260D Detection Limit Validation

Laboratory Eurofins Houston

Preparation Method: 5030C MDLV

Limit Group MSV - 8260_C-D_624.1 - Water - ALL

Analysis Dates: 2/14/2024 to 6/28/2024

Analyte

1,1,1,2-Tetrachloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000644	0.001	0.000644	0.0008	mg/L	1.2	0.00255	0.0028811	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078177	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084891	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105605	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00155385	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00202608	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00210438	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00253873	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950618	mg/L	Pass

1,1,1-Trichloroethane

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000585	0.005	0.000585	0.0008	mg/L	1.4	0.00202	0.0028022	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078805	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077835	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105261	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158724	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00259523	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075990	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116643	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00982708	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111373	mg/L	Pass

1,1,2,2-Tetrachloroethane

Current		Calculations								*MDLV used - 145268-9* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000470	0.001	0.000470	0.0008	mg/L	1.7	0.00200	0.0032193	10	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00070005	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00092188	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091834	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00094725	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00113903	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00164881	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061450	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130911	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01112902	mg/L	Pass

Analyte

1,1,2-Trichloro-1,2,2-trifluoroethane

Current MDL	Current RL
0.001110	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001110	0.001	mg/L	.9	0.00219	0.0030628	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00052323	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112963	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00360363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00251545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00045179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00062476	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00115745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00978660	mg/L	Pass

1,1,2-Trichloroethane

Current MDL	Current RL
0.000411	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00219	0.0034347	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079672	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066845	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118506	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01066064	mg/L	Pass

1,1-Dichloroethane

Current MDL	Current RL
0.000635	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000635	0.0008	mg/L	1.3	0.00203	0.0032912	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00080157	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00080548	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082513	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107236	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149662	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00063573	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075649	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00111606	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01078178	mg/L	Pass

1,1-Dichloroethene

Current MDL	Current RL
0.000738	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000738	0.0009	mg/L	1.2	0.00215	0.0030955	9	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00046126	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00092183	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138086	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00309595	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00054285	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065145	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00123662	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01013383	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00096347	mg/L	Pass

1,1-Dichloropropene

Current

MDL	RL
0.000624	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000624	0.0008	mg/L	1.3	0.00219	0.0025487	11	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096559	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00077721	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094174	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00147394	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00423037	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00301299	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086219	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00153407	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00902905	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00129929	mg/L	Pass

1,2,3-Trichlorobenzene

Current

MDL	RL
0.001769	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001769	0.001	mg/L	.6	0.00249	0.0028501	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00090790	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00122720	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152544	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00352691	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00252587	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00090564	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084521	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131424	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00972072	mg/L	Pass

1,2,3-Trichloropropane

Current

MDL	RL
0.000470	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000470	0.0009	mg/L	1.9	0.00223	0.0042618	7	N

MDLV used - 164176-32 3 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125636	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00129903	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129879	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01178936	mg/L	Pass

1,2,4-Trichlorobenzene

Current

MDL	RL
0.001753	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001753	0.001	mg/L	.6	0.00247	0.0027105	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095090	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112756	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176375	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00339246	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00255013	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00092583	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089925	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00133988	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933902	mg/L	Pass

1,2,4-Trimethylbenzene

Current

MDL	RL
0.000417	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000417	0.0008	mg/L	1.9	0.00203	0.0030083	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103378	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066167	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00085800	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135212	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00074312	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083037	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131779	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00944963	mg/L	Pass

1,2-Dibromo-3-Chloropropane

Current

MDL	RL
0.000671	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000671	0.0035	mg/L	5.2	0.00203	0.0037307	9	N

MDLV used - 167871-27 6 value(s) Not Rec
MDLV: Spike High

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00398264	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00325920	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104669	mg/L	Pass

1,2-Dichlorobenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0009	mg/L	2.1	0.00268	0.0032182	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098373	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00237706	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00260851	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078182	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087726	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00136168	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979185	mg/L	Pass

1,2-Dichloroethane

Current

MDL	RL
0.000372	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000372	0.0008	mg/L	2.2	0.00206	0.0030825	9	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID		Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00071463	mg/L	Pass

Analyte

860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095815	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096722	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00125357	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00166216	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00070097	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082210	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128574	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01024616	mg/L	Pass

1,2-Dichloropropane

Current

MDL	RL
0.000556	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000556	0.0008	mg/L	1.4	0.00216	0.0025638	13	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00088996	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00294732	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078651	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00080784	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109791	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00159336	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00451538	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303069	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00063520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00963430	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00099544	mg/L	Pass

1,3,5-Trimethylbenzene

Current

MDL	RL
0.000411	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000411	0.0008	mg/L	1.9	0.00205	0.0030456	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00101225	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068167	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090647	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138917	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083663	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130469	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956374	mg/L	Pass

1,3-Dichlorobenzene

Current

MDL	RL
0.000413	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000413	0.0008	mg/L	1.9	0.00215	0.0030498	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099676	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00082470	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00107486	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00091261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00967782	mg/L	Pass

Analyte

1,3-Dichloropropane

Current MDL	Current RL
0.000514	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000514	0.0008	mg/L	1.6	0.00230	0.0029529	11	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091436	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087875	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103336	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161630	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00409422	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00295601	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00080258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01053117	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00116153	mg/L	Pass

1,3-Dichloropropene, Total

Current MDL	Current RL
0.001067	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001067	0.002	mg/L	1.9	0.00308	0.0056107	11	N

MDLV used - 164176-33 7 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00763	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00557	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01796	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichloro-2-butene, Total

Current MDL	Current RL
0.001350	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001350	0.0016	mg/L	1.2	0.00468	0.0069732	10	N

MDLV used - 164176-31 4 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0033	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00823	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00678	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0227	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

1,4-Dichlorobenzene

Current MDL	Current RL
0.000449	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000449	0.0005	mg/L	1.1	0.00223	0.0030765	8	N

MDLV used - 145268-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00064020	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00105345	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00129973	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00176116	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094219	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00150197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00979274	mg/L	Pass

1,4-Dioxane

Current

MDL	RL
0.02493	0.10

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02493	0.02	mg/L	.8	0.05947	0.1066682	8	N

MDLV used - 164176-33 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.02645311	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.14618672	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01030751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.29286498	mg/L	Pass

1-Chlorohexane

Current

MDL	RL
0.001423	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001423	0.001	mg/L	.7	0.00240	0.0024417	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00113949	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00082156	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00130808	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00418429	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00306256	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00094336	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097727	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00154076	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00864526	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00146387	mg/L	Pass

1-Methylnaphthalene

Current

MDL	RL
0.003459	0.010

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003459	0.0035	mg/L	1	0.00310	0.0041060	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00082988	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00548120	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00488189	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131183	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094935	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00181902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01270178	mg/L	Pass

Analyte

2,2-Dichloropropane

Current MDL	Current RL
0.000679	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000679	0.0008	mg/L	1.2	0.00222	0.0029598	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079316	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00073259	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096638	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00141971	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384192	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00284216	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00053066	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059836	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110238	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01058952	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00105881	mg/L	Pass

2-Butanone (MEK)

Current MDL	Current RL
0.008276	0.050

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.008276	0.005	mg/L	.6	0.01615	0.0220112	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01761484	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439115	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00467998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00695984	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02059954	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01405702	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00387119	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00471079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00825722	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.07644846	mg/L	Pass

2-Chloro-1,3-butadiene

Current MDL	Current RL
0.000598	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000598	0.0008	mg/L	1.3	0.00221	0.0029238	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067202	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071662	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096617	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144563	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00384754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00275596	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00070211	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00104419	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01047348	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00111526	mg/L	Pass

2-Chloroethyl vinyl ether

Current MDL	Current RL
0.000753	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000753	0.0009	mg/L	1.2	0.00220	0.0034354	10	N

MDLV used - 164176-32 3 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089959	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119132	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390535	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00280099	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00110887	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01129802	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087441	mg/L	Pass

2-Chlorotoluene

Current

MDL	RL
0.000459	0.002

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000459	0.0008	mg/L	1.7	0.00202	0.0027699	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112998	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00076775	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098853	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00149404	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079296	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00094302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00142919	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00937612	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00127751	mg/L	Pass

2-Ethylhexyl acrylate

Current

MDL	RL
0.000659	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000659	0.0025	mg/L	3.8	0.00282	0.0026078	5	N

MDLV used - 148281-13 2 value(s) Not Rec
MDLV: Spike High

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00411950	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00511520	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00490382	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

2-Hexanone

Current

MDL	RL
0.005	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.005	mg/L	1	0.01487	0.0205318	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00482613	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00501936	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00696407	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02014698	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01528703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00338264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00365154	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00710370	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06746159	mg/L	Pass

2-Methyl-2-propanol

Current

MDL	RL
0.00500	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00500	0.008	mg/L	1.6	0.03137	0.0487240	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00730842	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.01409917	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01502467	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01925501	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04187562	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02773100	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00546520	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00844835	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.02018102	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.17483795	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.01085593	mg/L	Pass

2-Methylnaphthalene

Current

MDL	RL
0.003295	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003295	0.0035	mg/L	1.1	0.00305	0.0039048	9	N

MDLV used - 167871-27 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00084847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00575662	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00515628	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00126022	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00095914	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00168751	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01184410	mg/L	Pass

2-Methyltetrahydrofuran

Current

MDL	RL
0.001661	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001661	0.0025	mg/L	1.5	0.00336	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00336297	mg/L	Pass

2-Methyltetrahydropyran

Current

MDL	RL
0.001744	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001744	0.0025	mg/L	1.4	0.00357	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00357459	mg/L	Pass

2-Nitropropane

Current

MDL	RL
0.00336	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00336	0.002	mg/L	.6	0.00489	0.0077639	8	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00214481	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00300052	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00528103	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00544925	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02329243	mg/L	Pass

Analyte

3-Chloro-1-propene

Current MDL	Current RL
0.000597	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000597	0.0009	mg/L	1.5	0.00245	0.0033991	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00078094	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00124830	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00342364	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00231804	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00085317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00104337	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00186140	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01174927	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00125077	mg/L	Pass

4-Chlorotoluene

Current MDL	Current RL
0.000386	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000386	0.0008	mg/L	2.1	0.00206	0.0030255	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00103904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067091	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00094087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00134199	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078971	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135907	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00953221	mg/L	Pass

4-Ethyltoluene

Current MDL	Current RL
0.000454	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000454	0.0008	mg/L	1.8	0.00202	0.0030462	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102612	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00059929	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084558	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132462	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00076471	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083003	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130630	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954256	mg/L	Pass

4-Isopropyltoluene

Current MDL	Current RL
0.000676	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000676	0.0009	mg/L	1.3	0.00224	0.0031772	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100659	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088809	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145776	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075768	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00084300	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132292	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00942450	mg/L	Pass

4-Methyl-2-pentanone (MIBK)

Current MDL	Current RL
0.005	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.005	mg/L	1	0.01442	0.0190137	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00469187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00560137	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00747883	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02031642	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00332905	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00376367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00690938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06283103	mg/L	Pass

Acetone

Current MDL	Current RL
0.003067	0.10

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003067	0.004	mg/L	1.3	0.01464	0.0186501	12	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.01590554	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00293717	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00627243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00655566	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00881079	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02683163	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02202806	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00236319	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00396245	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00751693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06838691	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00411491	mg/L	Pass

Acetonitrile

Current MDL	Current RL
0.014594	0.10

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.014594	0.01	mg/L	.7	0.02742	0.0369061	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00692116	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01523408	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01610920	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.02604888	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00853171	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01043374	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01861401	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.11749273	mg/L	Pass

Acrolein

Current MDL	Current RL
0.011116	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.011116	0.005	mg/L	.4	0.01315	0.0202555	9	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00457059	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00625347	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.02082932	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01490902	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00811743	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.06369659	mg/L	Pass	

Acrylonitrile

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 151546-31* All values recover MDLV: Spike Low		
0.014319	0.05	0.014319	0.01	mg/L	.7	0.03015	0.0397744	9	N			

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00737708	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01240755	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01619679	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.04156491	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03010491	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00722274	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00841693	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01642013	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13169377	mg/L	Pass

Benzene

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 145268-9* All values recovere MDLV: Pass		
0.0004596	0.001	0.000459	0.0008	mg/L	1.7	0.00186	0.0028422	10	N			

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00077626	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00089680	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090682	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00114298	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00157106	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00060179	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081186	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131922	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00991103	mg/L	Pass

Benzyl chloride

Current		Calculations										
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	*MDLV used - 167871-27* 2 value(s) Not Rec MDLV: Pass		
0.002257	0.005	0.002257	0.0035	mg/L	1.6	0.00270	0.0029276	10	N			

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00292993	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00066539	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00116687	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308741	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00229781	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00348447	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01009316	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00335780	mg/L	Pass

Analyte

Bromobenzene

Current MDL	Current RL
0.000486	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000486	0.0008	mg/L	1.6	0.00213	0.0030880	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009243	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007855	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0010937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0015611	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0007295	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008398	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0013786	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0097394	mg/L	Pass

Bromoform

Current MDL	Current RL
0.000633	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000633	0.0008	mg/L	1.3	0.00275	0.0022829	13	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.0022935	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.0022425	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0006921	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.0007859	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0009838	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0013147	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0036531	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0025467	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0027457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0027478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0031816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0096563	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0029988	mg/L	Pass

Bromomethane

Current MDL	Current RL
0.001419	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001419	0.001	mg/L	.7	0.00229	0.0025409	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0009252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0011465	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.0012628	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.0034799	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.0018938	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0008446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0012324	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0014773	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0091981	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.0014425	mg/L	Pass

Butadiene

Current MDL	Current RL
0.000568	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000568	0.0008	mg/L	1.4	0.00178	0.0029250	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0016180	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068750	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00074724	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00119409	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00032706	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00039736	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00037040	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00893917	mg/L	Pass	

Carbon disulfide

Current

MDL	RL
0.00165	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00165	0.001	mg/L	.6	0.00228	0.0028824	9	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099252	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142859	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00338541	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00244081	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073848	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075515	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132537	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00949283	mg/L	Pass

Carbon tetrachloride

Current

MDL	RL
0.000896	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000896	0.0009	mg/L	1	0.00223	0.0024326	12	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00095292	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00317069	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00097065	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109751	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151582	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00386651	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00245770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00087037	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00144282	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00917345	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00132602	mg/L	Pass

Chlorobenzene

Current

MDL	RL
0.000455	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000455	0.0008	mg/L	1.8	0.00238	0.0030112	8	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092527	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00099869	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00207768	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00240798	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073972	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085969	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141014	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00968867	mg/L	Pass

Analyte

Chlorobromomethane

Current MDL	Current RL
0.000577	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000577	0.0008	mg/L	1.4	0.00218	0.0034315	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00078255	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075683	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00108846	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00162954	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058185	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067720	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130921	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01062906	mg/L	Pass

Chlorodibromomethane

Current MDL	Current RL
0.000547	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000547	0.0008	mg/L	1.5	0.00272	0.0024038	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00073000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00074574	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105268	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161656	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380017	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00264348	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00231231	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00241149	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00269421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938967	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00262440	mg/L	Pass

Chloroethane

Current MDL	Current RL
0.001984	0.010

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001984	0.001	mg/L	.5	0.00261	0.0035417	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00182322	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00136009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118247	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00290067	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061487	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089264	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00095248	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01120236	mg/L	Pass

Chloroform

Current MDL	Current RL
0.000464	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000464	0.0008	mg/L	1.7	0.00189	0.0029759	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00069775	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083989	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092785	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00084519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112281	mg/L	Pass

Analyte

860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00152060	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066100	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00072103	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00127735	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01032717	mg/L	Pass

Chloromethane

Current

MDL	RL
0.002035	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002035	0.001	mg/L	.5	0.00182	0.0021406	8	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00053972	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00119765	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151237	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00237590	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046398	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086851	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00072372	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00688968	mg/L	Pass

cis-1,2-Dichloroethene

Current

MDL	RL
0.000457	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000457	0.0008	mg/L	1.8	0.00211	0.0034396	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00084151	mg/L	Pass
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086088	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00075782	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105883	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00150646	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065293	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00074994	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134017	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01125437	mg/L	Pass

cis-1,3-Dichloropropene

Current

MDL	RL
0.001067	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001067	0.001	mg/L	.9	0.00227	0.0028025	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086979	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098937	mg/L	Pass
860-72581-A-1	MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140283	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00389462	mg/L	Pass
860-72581-A-1	MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00279781	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00052378	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1	MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098247	mg/L	Pass
860-72581-A-1	MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00903065	mg/L	Pass

cis-1,4-Dichloro-2-butene

Current

MDL	RL
0.001566	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001566	0.001	mg/L	.6	0.00295	0.0034178	10	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1	MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00274391	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00306403	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00330181	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00441788	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00364224	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00091773	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01144030	mg/L	Pass

Cyclohexane

Current

MDL	RL
0.001286	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001286	0.001	mg/L	.8	0.00211	0.0027840	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088265	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00090833	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00307302	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00093743	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00097968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00160344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00920470	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00145100	mg/L	Pass

Cyclohexanone

Current

MDL	RL
0.02779	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02779	0.045	mg/L	1.6	0.16940	0.2883721	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.05120515	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.05918315	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.08482793	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.03653667	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.04215275	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.09017621	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.82174935	mg/L	Pass

Dibromomethane

Current

MDL	RL
0.000357	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000357	0.0008	mg/L	2.2	0.00212	0.0033508	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00076383	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109922	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158137	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00049012	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060480	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119457	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01037542	mg/L	Pass

Dichlorobromomethane

Current

MDL	RL
0.000552	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000552	0.0008	mg/L	1.4	0.00262	0.0029118	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079325	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00087693	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00112861	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00163098	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00206757	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00221431	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00264367	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00964180	mg/L	Pass

Dichlorodifluoromethane

Current

MDL	RL
0.000785	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000785	0.0009	mg/L	1.1	0.00164	0.0027567	8	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00045135	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00059063	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00101873	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00073796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00046624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067947	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00074478	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00845038	mg/L	Pass

Dichlorofluoromethane

Current

MDL	RL
0.000500	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00199	0.0027173	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00074012	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00088494	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111899	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00139318	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00304104	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00133261	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067957	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00093827	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00100074	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00994968	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00087253	mg/L	Pass

Dicyclopentadiene

Current

MDL	RL
0.001210	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001210	0.001	mg/L	.8	0.00245	0.0027287	10	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00112858	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100087	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00158775	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00425319	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00293812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073107	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082752	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131749	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956492	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00124780	mg/L	Pass

Epichlorohydrin

Current

MDL	RL
0.007521	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.007521	0.0080065	mg/L	1.1	0.02216	0.0428636	9	N

MDLV used - 164176-31 2 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00857031	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01092181	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01480899	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00654950	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01350427	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.13561546	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00949390	mg/L	Pass

Ethyl acetate

Current

MDL	RL
0.000621	0.002

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000621	0.0016	mg/L	2.6	0.00536	0.0088837	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00211536	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00199127	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00252606	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00287852	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00137528	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00168847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00302896	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02730530	mg/L	Pass

Ethyl acrylate

Current

MDL	RL
0.001233	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001233	0.001	mg/L	.8	0.00162	0.0024153	14	N

MDLV used - 164176-33 6 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00156081	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00276832	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00064937	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112194	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00355518	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00250446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00169133	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00890357	mg/L	Pass

Ethyl ether

Current

MDL	RL
0.0100	0.1

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.0100	0.009	mg/L	.9	0.00210	0.0035049	8	N

MDLV used - 168383-21 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00039786	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00105119	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00142801	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00039820	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00059312	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00128583	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01072419	mg/L	Pass	
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00094241	mg/L	Pass	

Ethyl methacrylate

Current

MDL	RL
0.001118	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001118	0.001	mg/L	.9	0.00241	0.0034518	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00103856	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00135413	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00374947	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00257015	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00065258	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00129308	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01104441	mg/L	Pass

Ethylbenzene

Current

MDL	RL
0.000385	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000385	0.0005	mg/L	1.3	0.00167	0.0025933	11	N

MDLV used - 145268-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00059798	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00082103	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098429	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072222	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00099000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00144476	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054228	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00075759	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081625	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135028	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00945268	mg/L	Pass

Ethylene Dibromide

Current

MDL	RL
0.000999	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000999	0.001	mg/L	1	0.00264	0.0032615	9	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00086463	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102904	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153296	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00411075	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00303418	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058785	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073237	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00118357	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01075417	mg/L	Pass

Analyte

Ethylene oxide

Current MDL	Current RL
0.02062	0.05

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.02062	0.01	mg/L	.5	0.02956	0.0418401	8	N

MDLV used - 164176-33 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01484273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01744123	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.03757660	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00987001	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01020126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01686713	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12970540	mg/L	Pass

Hexachlorobutadiene

Current MDL	Current RL
0.000627	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000627	0.0005	mg/L	.8	0.00236	0.0022250	13	N

MDLV used - 145268-8 1 value(s) Not Reco
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	8	Ngo, Anh	8260D	No Prep	A131	0.00279933	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00306937	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00316368	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00079957	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00209291	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00346781	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00256500	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00086849	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00089043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120770	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00877237	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00098395	mg/L	Pass

Hexane

Current MDL	Current RL
0.000517	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000517	0.0009	mg/L	1.7	0.00193	0.0026567	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00062902	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102363	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00308286	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00217159	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00061744	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068136	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00101033	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00906897	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00103357	mg/L	Pass

Iodomethane

Current MDL	Current RL
0.005	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005	0.0035	mg/L	.7	0.00223	0.0030099	8	N

MDLV used - 167871-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00110090	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00153241	mg/L	Pass	
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00435814	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00048675	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00060184	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00090933	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00891733	mg/L	Pass	

Isobutyl alcohol

Current

MDL	RL
0.01710	0.05

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.01710	0.02	mg/L	1.2	0.05861	0.1141690	10	N

MDLV used - 164176-31 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.02546900	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.03169368	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03921284	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01959036	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.01459879	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01569549	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03730709	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.38185812	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.02076107	mg/L	Pass

Isooctane

Current

MDL	RL
0.000500	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000500	0.0008	mg/L	1.6	0.00198	0.0025313	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00063961	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00054601	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073938	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00123101	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00343661	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066173	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00066421	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00116135	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00909556	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00107348	mg/L	Pass

Isopropyl acetate

Current

MDL	RL
0.000576	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000576	0.0009	mg/L	1.6	0.00202	0.0012230	5	N

MDLV used - 148281-8 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00079030	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00226821	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00362490	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00261911	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00080536	mg/L	Pass

Isopropyl alcohol

Current

MDL	RL
0.005226	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.005226	0.009	mg/L	1.7	0.02434	0.0360437	7	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01308404	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01684988	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00803266	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.01075981	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01666624	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.10502733	mg/L	Pass

Isopropyl ether

Current

MDL	RL
0.000838	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000838	0.0008	mg/L	1	0.00239	0.0030178	11	N

MDLV used - 164176-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00081552	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00085847	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111510	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00151160	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00432696	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00290163	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068822	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085968	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00117778	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01086043	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00121437	mg/L	Pass

Isopropylbenzene

Current

MDL	RL
0.000592	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000592	0.0008	mg/L	1.4	0.00200	0.0029715	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098439	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00068668	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089524	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137479	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00069692	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00078030	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130317	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933295	mg/L	Pass

Methacrylonitrile

Current

MDL	RL
0.002715	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002715	0.008	mg/L	2.9	0.02484	0.0408315	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00851064	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00901448	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01121366	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01523796	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00726807	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00794094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01393187	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.12564773	mg/L	Pass

Analyte

Methyl acetate

Current MDL	Current RL
0.004008	0.02

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004008	0.002	mg/L	.5	0.00618	0.0080266	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00137873	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00235980	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00315260	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00870708	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00746344	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00131311	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00158637	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00333452	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02637140	mg/L	Pass

Methyl acrylate

Current MDL	Current RL
0.000660	0.1

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000660	0.0009	mg/L	1.4	0.00167	0.0013388	5	N

MDLV used - 148281-8 1 value(s) Not Reco
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00065983	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00203010	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00332222	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00237826	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.0	mg/L	Fail

Methyl methacrylate

Current MDL	Current RL
0.002250	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002250	0.002	mg/L	.9	0.00545	0.0070374	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00187146	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00211656	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00291897	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00787111	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00583680	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00118083	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00139473	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00260349	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02325705	mg/L	Pass

Methyl tert-butyl ether

Current MDL	Current RL
0.001391	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001391	0.001	mg/L	.7	0.00280	0.0030057	11	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00282066	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00071590	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00124914	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00172437	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00388452	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00371540	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00268876	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00065509	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00076478	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00146530	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01115994	mg/L	Pass

Methylcyclohexane

Current MDL	Current RL
0.000608	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000608	0.0009	mg/L	1.5	0.00221	0.0030579	10	N

MDLV used - 164176-32 1 value(s) Not Rec
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00073173	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00113590	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00366409	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00249833	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062956	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073177	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130482	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01039496	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00109363	mg/L	Pass

Methylene Chloride

Current MDL	Current RL
0.001726	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001726	0.001	mg/L	.6	0.00315	0.0030328	9	N

MDLV used - 151546-31 1 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00135563	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00359817	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00382051	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00407302	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00305446	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083281	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00141816	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01026064	mg/L	Pass

m-Xylene & p-Xylene

Current MDL	Current RL
0.001240	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001240	0.001	mg/L	.8	0.00257	0.0025547	11	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00349531	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00098188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00095385	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140781	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00250210	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00390231	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00269362	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071949	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081449	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00131703	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950225	mg/L	Pass

Naphthalene

Current MDL	Current RL
0.001353	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001353	0.001	mg/L	.7	0.00268	0.0033610	9	N

MDLV used - 151546-31 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00092989	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00116367	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00167148	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00333347	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00242945	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00091254	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00086029	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00148573	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01137720	mg/L	Pass

n-Butanol

Current		Calculations								*MDLV used - 164176-33* 3 value(s) Not Rec
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.02489	.150	0.02489	0.0248	mg/L	1	0.07347	0.1297348	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.02376396	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.03315522	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.09167371	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.07206094	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.03206644	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.40859964	mg/L	Pass

n-Butyl acetate

Current		Calculations								*MDLV used - 151546-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001568	0.005	0.001568	0.001	mg/L	.6	0.00279	0.0037035	9	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00107009	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086170	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00112225	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00433152	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00286942	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00064636	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00073016	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137153	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01211954	mg/L	Pass

n-Butyl acrylate

Current		Calculations								*MDLV used - 148281-8* All values recovere
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Spike Low
0.001382	0.005	0.001382	0.0009	mg/L	.7	0.00161	0.0010861	5	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/05/2024	148281	8	Alves, Nathalie	8260D	No Prep	A295	0.00056091	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	13	Alves, Nathalie	8260D	No Prep	A295	0.00172500	mg/L	Pass
860-64667-A-1 MDLV	03/05/2024	148281	14	Alves, Nathalie	8260D	No Prep	A295	0.00313136	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	28	Alves, Nathalie	8260D	No Prep	A295	0.00208698	mg/L	Pass
860-72581-A-1 MDLV	06/12/2024	165365	33	Alves, Nathalie	8260D	No Prep	A295	0.00057894	mg/L	Pass

n-Butylbenzene

Current		Calculations								*MDLV used - 164176-31* All values recover
MDL	RL	Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?	MDLV: Pass
0.000510	0.001	0.000510	0.0008	mg/L	1.6	0.00202	0.0029011	8	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00096188	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00066448	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00088136	mg/L	Pass	
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143202	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00079644	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088466	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00137184	mg/L	Pass	
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00916909	mg/L	Pass	

N-Propylbenzene

Current

MDL	RL
0.000429	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000429	0.0008	mg/L	1.9	0.00201	0.0029080	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00100519	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067154	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089920	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137902	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00077226	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00083676	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135572	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00918135	mg/L	Pass

o-Xylene

Current

MDL	RL
0.000502	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000502	0.0008	mg/L	1.6	0.00176	0.0027361	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00081238	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095221	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00067927	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00096541	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00137729	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00054673	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00071965	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00079964	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00130540	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00951869	mg/L	Pass

Propene

Current

MDL	RL
0.004388	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.004388	0.0035	mg/L	.8	0.00029	0.0004254	8	N

MDLV used - 167871-31 5 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00065329	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00102048	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00071618	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail

Analyte

Propionitrile

Current MDL	Current RL
0.003341	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.003341	0.008	mg/L	2.4	0.02511	0.0442251	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00916343	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00998521	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.01127527	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.01536442	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00631315	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00684545	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.01462402	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.14276510	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00968547	mg/L	Pass

sec-Butylbenzene

Current MDL	Current RL
0.000468	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000468	0.0008	mg/L	1.7	0.00206	0.0030331	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00104188	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00065426	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00086878	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00143008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00078304	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085704	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00134767	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00954232	mg/L	Pass

Styrene

Current MDL	Current RL
0.000619	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000619	0.0008	mg/L	1.3	0.00200	0.0030626	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00091703	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00071642	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00089678	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132244	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00067741	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075225	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119847	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00956411	mg/L	Pass

Tert-amyl methyl ether

Current MDL	Current RL
0.000475	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00210	0.0031504	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00083618	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00092273	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00111624	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156999	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00062758	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00068745	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00120353	mg/L	Pass

Analyte

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00986399	mg/L	Pass

Tert-butyl ethyl ether

Current MDL	Current RL
0.000988	0.005

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000988	0.001	mg/L	1	0.00261	0.0032833	10	N

MDLV used - 151546-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00095047	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00118533	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00161955	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00406348	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00278298	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066043	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00085750	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135761	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01147628	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00117387	mg/L	Pass

tert-Butylbenzene

Current MDL	Current RL
0.000442	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000442	0.0008	mg/L	1.8	0.00206	0.0030183	8	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00102862	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00072912	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00090824	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00148250	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00073808	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00082436	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132714	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00950763	mg/L	Pass

Tetrachloroethene

Current MDL	Current RL
0.000655	0.001

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000655	0.0009	mg/L	1.4	0.00216	0.0031509	7	N

MDLV used - 164176-32 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00085543	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00093753	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00154235	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058657	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00075271	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00119079	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00927323	mg/L	Pass

Tetrahydrofuran

Current MDL	Current RL
0.001833	0.01

Calculations Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001833	0.0018	mg/L	1	0.00388	0.0077239	11	N

MDLV used - 164176-32 4 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00227602	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00536388	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00232053	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00248562	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00349415	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00889365	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	-0.0032072	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	-0.0026485	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	-0.0009132	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.02464721	mg/L	Pass

Tetrahydropyran

Current

MDL	RL
0.001789	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001789	0.0025	mg/L	1.4	0.00263	NA	1	N

MDLV used - 151779-18 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/27/2024	151779	18	Alves, Nathalie	8260D	No Prep	A325	0.00263037	mg/L	Pass

Toluene

Current

MDL	RL
0.000475	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000475	0.0008	mg/L	1.7	0.00182	0.0027471	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00092591	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00094083	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00078348	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00102741	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00156337	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	14	Vela, Kenneth L	8260D	No Prep	A265	0.00052433	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00068986	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00081732	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00135245	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959175	mg/L	Pass

Total BTEX

Current

MDL	RL
0.000533	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000533	0.005	mg/L	9.4	0.00377	NA	1	N

MDLV used - 151546-31 All values recover
MDLV: Spike High

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003774	mg/L	Pass

trans-1,2-Dichloroethene

Current

MDL	RL
0.000368	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000368	0.0008	mg/L	2.2	0.00181	0.0031242	10	N

MDLV used - 145268-9 All values recovere
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00040499	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00083147	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055966	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00069909	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00100165	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145685	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00058917	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00067063	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00132323	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01065980	mg/L	Pass

trans-1,3-Dichloropropene

Current

MDL	RL
0.001267	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001267	0.001	mg/L	.8	0.00214	0.0028277	9	N

MDLV used - 164176-33 2 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?

Analyte

860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00098397	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00138754	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00373827	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00277403	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00055004	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00097113	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00892664	mg/L	Pass

trans-1,4-Dichloro-2-butene

Current

MDL	RL
0.001350	0.01

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.001350	0.001	mg/L	.7	0.00235	0.0036402	9	N

MDLV used - 164176-33 3 value(s) Not Rec
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00084491	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00118553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00380893	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00314096	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0	mg/L	Fail
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00086829	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01134301	mg/L	Pass

Trichloroethene

Current

MDL	RL
0.00150	0.005

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.00150	0.001	mg/L	.7	0.00258	0.0024011	12	N

MDLV used - 145268-10 All values recover
MDLV: Spike Low

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	9	Ngo, Anh	8260D	No Prep	A131	0.00161799	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	10	Ngo, Anh	8260D	No Prep	A131	0.00202625	mg/L	Pass
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00438664	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00088671	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097231	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00145593	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00379353	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00261075	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00106197	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00117172	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00171215	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00933979	mg/L	Pass

Trichlorofluoromethane

Current

MDL	RL
0.000560	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000560	0.0008	mg/L	1.4	0.00183	0.0028404	9	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00067187	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00083421	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00097014	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00132952	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00066435	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00096126	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00096807	mg/L	Pass

Analyte

860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00938647	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00070395	mg/L	Pass

Trihalomethanes, Total

Current

MDL	RL
0.000552	0.001

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000552	0.0032	mg/L	5.8	0.01065	0.0100838	11	N

MDLV used - 164176-31 All values recover
MDLV: Spike High

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.003143	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.003254	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.004284	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00608	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01553	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01095	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.007791	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.008091	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00979	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.03899	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00929	mg/L	Pass

Vinyl acetate

Current

MDL	RL
0.002139	0.02

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.002139	0.004	mg/L	1.9	0.01132	0.0141611	11	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00439392	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00377000	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00513735	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00614574	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.01975543	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.01407338	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00342209	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00437903	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00575597	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.05121953	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00650542	mg/L	Pass

Vinyl chloride

Current

MDL	RL
0.000428	0.002

Calculations

Ver MDL	Spike amount	Units	Spike / MDL	Mean	Std Dev	Reps	Edit Limts?
0.000428	0.0008	mg/L	1.9	0.00175	0.0027656	10	N

MDLV used - 164176-31 All values recover
MDLV: Pass

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.00055607	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	31	Alves, Nathalie	8260D	No Prep	A295	0.00090990	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.00109164	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00140198	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00102169	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00057510	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.00088243	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00098812	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.00959150	mg/L	Pass
860-72581-A-1 MDLV	06/28/2024	168555	26	Alves, Nathalie	8260D	No Prep	A325	0.00055790	mg/L	Pass

Analyte

Xylenes, Total

Current		Calculations									*MDLV used - 164176-32* All values recover
		Ver	Spike		Spike			Std		Edit	MDLV: Spike High
MDL	RL	MDL	amount	Units	/ MDL	Mean		Dev	Reps	Limts?	
0.000551	0.001	0.000551	0.0018	mg/L	3.3	0.00481		0.0053508	11	N	

Lab ID	Anal Date	Batch	Samp	Analyst	Method	Prep Method	Equipment	Result	Units	Detected?
860-64667-A-1 MDLV	02/14/2024	145268	13	Ngo, Anh	8260D	No Prep	A131	0.00686	mg/L	Pass
860-64667-A-1 MDLV	03/26/2024	151546	31	Alves, Nathalie	8260D	No Prep	A325	0.000952	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	32	Alves, Nathalie	8260D	No Prep	A295	0.000965	mg/L	Pass
860-72581-A-1 MDLV	06/05/2024	164176	33	Alves, Nathalie	8260D	No Prep	A295	0.00279	mg/L	Pass
860-72581-A-1 MDLV	06/24/2024	167739	15	Vela, Kenneth L	8260D	No Prep	A265	0.00519	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	27	Alves, Nathalie	8260D	No Prep	A292	0.00772	mg/L	Pass
860-72581-A-1 MDLV	06/25/2024	167871	31	Alves, Nathalie	8260D	No Prep	A292	0.00533	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	18	Alves, Nathalie	8260D	No Prep	A325	0.00072	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	19	Alves, Nathalie	8260D	No Prep	A325	0.0008	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	20	Alves, Nathalie	8260D	No Prep	A325	0.00263	mg/L	Pass
860-72581-A-1 MDLV	06/27/2024	168383	21	Alves, Nathalie	8260D	No Prep	A325	0.01902	mg/L	Pass

Detected? Pass = result was detected ; Fail = result < = 0 . If MDLV is < MDL , verify Detection or S/N ratio
MDLV: Pass = meets Spike/MDL ratio , Spike High =Spike/MDL > ratio , Spike Low = Spike < MDL
Spike/MDL ratio = 3.00

Appendix A

Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Job No. 860-80416-1 and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ☑ R1- Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  a. Items consistent with NELAC Chapter 5,
  b. dilution factors,
  c. preparation methods,
  d. cleanup methods, and
  e. if required for the project, tentatively identified coumpounds (TICs).
- ☑ R4 - Surrogate recovery data including:
  a. Calculated recovery (%R), and
  b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  a. LCS spiking amounts,
  b. Calculated %R for each analyte, and
  c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a. Samples associated with the MS/MSD clearly identified,
  b. MS/MSD spiking amounts,
  c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d. Calculated %Rs and relative percent differences (RPDs), and
  e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  a. The amount of analyte measured in the duplicate,
  b. The calculated RPD, and
  c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ☑ R10 - Other problems or anomalies.
- ☐ Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: ☐ This laboratory meets an exception under 30 TAC §25.6 and was last inspected by ☐ TCEQ or ☐ _____ on __/__/__. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Printed)	Date
Travis Richter		Project Manager	08/20/2024

Laboratory Data Package Cover Page - Page 2 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/20/2024
Project Name: HS24080337	Laboratory Job Number: 860-80416-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				
		Were all departures from standard conditions described in an exception report?	✓				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✓				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		Were calculations checked by a peer or supervisor?	✓				
		Were all analyte identifications checked by a peer or supervisor?	✓				
		Were sample detection limits reported for all analytes not detected?	✓				
		Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			✓		
		If required for the project, are TICs reported?			✓		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✓				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✓				
		Were blanks analyzed at the appropriate frequency?	✓				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		Were blank concentrations < MQL?		✓			1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✓				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✓				
		Were LCSs analyzed at the required frequency?	✓				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✓				
		Was the LCSD RPD within QC limits?	✓				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✓				
		Were MS/MSD analyzed at the appropriate frequency?	✓				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	✓				
		Were MS/MSD RPDs within laboratory QC limits?			✓		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			✓		
		Were analytical duplicates analyzed at the appropriate frequency?			✓		
		Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✓				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✓				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		✓			2
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✓				

Laboratory Data Package Cover Page - Page 3 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/20/2024
Project Name: HS24080337	Laboratory Job Number: 860-80416-1
Reviewer Name: Travis Richter	

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		Were percent RSDs or correlation coefficient criteria met?	✓				
		Was the number of standards recommended in the method used for all analytes?	✓				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		Are ICAL data available for all instruments used?	✓				
		Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	✓				
		Were percent differences for each analyte within the method-required QC limits?	✓				
		Was the ICAL curve verified for each analyte?	✓				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			✓		
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?	✓				
		Were ion abundance data within the method-required QC limits?	✓				
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			✓		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?			✓		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			✓		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✓				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✓				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✓				
		Is documentation of the analyst's competency up-to-date and on file?	✓				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	✓				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period;
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Cover Page - Page 4 of 4

Laboratory Name: Eurofins Houston	LRC Date: 08/20/2024
Project Name: HS24080337	Laboratory Job Number: 860-80416-1
Reviewer Name: Travis Richter	

ER#[1]	Description
1	Method 8260C: The method blank for analytical batch 860-181582 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.
2	Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: HS24080337-06 (860-80416-6) and HS24080337-10 (860-80416-10). Elevated reporting limits (RLs) are provided.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Job ID: 860-80416-1 — Eurofins Houston

Job Narrative
860-80416-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/13/2024 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

GC/MS VOA
Method 8260C: The method blank for analytical batch 860-181582 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: HS24080337-06 (860-80416-6) and HS24080337-10 (860-80416-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Client Sample ID: HS24080337-01 — Lab Sample ID: 860-80416-1

No Detections.

Client Sample ID: HS24080337-02 — Lab Sample ID: 860-80416-2

No Detections.

Client Sample ID: HS24080337-03 — Lab Sample ID: 860-80416-3

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00249		0.00100	0.000460	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080337-04 — Lab Sample ID: 860-80416-4

No Detections.

Client Sample ID: HS24080337-05 — Lab Sample ID: 860-80416-5

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.000776	J	0.00100	0.000475	mg/L	1		8260C	Total/NA
Ethylbenzene	0.000925	J	0.00100	0.000385	mg/L	1		8260C	Total/NA
Xylenes, Total	0.00154	J	0.0100	0.00124	mg/L	1		8260C	Total/NA
m,p-Xylenes	0.00154	J	0.0100	0.00124	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080337-06 — Lab Sample ID: 860-80416-6

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.862		0.0100	0.00460	mg/L	10		8260C	Total/NA
Toluene	0.828		0.0100	0.00475	mg/L	10		8260C	Total/NA
Ethylbenzene	0.224		0.0100	0.00385	mg/L	10		8260C	Total/NA
Xylenes, Total	0.613		0.100	0.0124	mg/L	10		8260C	Total/NA
o-Xylene	0.201		0.0100	0.00502	mg/L	10		8260C	Total/NA
m,p-Xylenes	0.412		0.100	0.0124	mg/L	10		8260C	Total/NA

Client Sample ID: HS24080337-07 — Lab Sample ID: 860-80416-7

No Detections.

Client Sample ID: HS24080337-08 — Lab Sample ID: 860-80416-8

No Detections.

Client Sample ID: HS24080337-09 — Lab Sample ID: 860-80416-9

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.000545	J	0.00100	0.000385	mg/L	1		8260C	Total/NA

Client Sample ID: HS24080337-10 — Lab Sample ID: 860-80416-10

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.989		0.0100	0.00460	mg/L	10		8260C	Total/NA
Toluene	0.950		0.0100	0.00475	mg/L	10		8260C	Total/NA
Ethylbenzene	0.248		0.0100	0.00385	mg/L	10		8260C	Total/NA
Xylenes, Total	0.700		0.100	0.0124	mg/L	10		8260C	Total/NA
o-Xylene	0.227		0.0100	0.00502	mg/L	10		8260C	Total/NA
m,p-Xylenes	0.473		0.100	0.0124	mg/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Client Sample ID: HS24080337-11 — Lab Sample ID: 860-80416-11

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.000676	J	0.00100	0.000460	mg/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HS24080337-01

Lab Sample ID: 860-80416-1

Date Collected: 08/01/24 08:35

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 08:22	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 08:22	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 08:22	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 08:22	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 08:22	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 08:22	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 08:22	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 08:22	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 08:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/15/24 08:22*	*1*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*		*08/15/24 08:22*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 131*		*08/15/24 08:22*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/15/24 08:22*	*1*

Client Sample ID: HS24080337-02

Lab Sample ID: 860-80416-2

Date Collected: 08/01/24 09:20

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 11:26	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 11:26	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 11:26	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 11:26	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 11:26	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 11:26	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 11:26	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 11:26	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/15/24 11:26*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*08/15/24 11:26*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 131*		*08/15/24 11:26*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/15/24 11:26*	*1*

Client Sample ID: HS24080337-03

Lab Sample ID: 860-80416-3

Date Collected: 08/01/24 10:50

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00249**		0.00100	0.000460	mg/L			08/15/24 08:42	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 08:42	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 08:42	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 08:42	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 08:42	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 08:42	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 08:42	1

Client Sample ID: HS24080337-03

Lab Sample ID: 860-80416-3

Date Collected: 08/01/24 10:50

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 08:42	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/15/24 08:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*08/15/24 08:42*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 131*		*08/15/24 08:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/15/24 08:42*	*1*

Client Sample ID: HS24080337-04

Lab Sample ID: 860-80416-4

Date Collected: 08/01/24 11:55

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 09:03	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 09:03	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 09:03	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 09:03	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 09:03	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 09:03	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 09:03	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 09:03	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 09:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/15/24 09:03*	*1*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*08/15/24 09:03*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 131*		*08/15/24 09:03*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/15/24 09:03*	*1*

Client Sample ID: HS24080337-05

Lab Sample ID: 860-80416-5

Date Collected: 08/01/24 12:50

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 09:23	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 09:23	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 09:23	1
Toluene	**0.000776**	**J**	0.00100	0.000475	mg/L			08/15/24 09:23	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 09:23	1
Ethylbenzene	**0.000925**	**J**	0.00100	0.000385	mg/L			08/15/24 09:23	1
Xylenes, Total	**0.00154**	**J**	0.0100	0.00124	mg/L			08/15/24 09:23	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 09:23	1
m,p-Xylenes	**0.00154**	**J**	0.0100	0.00124	mg/L			08/15/24 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 144*		*08/15/24 09:23*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/15/24 09:23*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*08/15/24 09:23*	*1*

Client Sample ID: HS24080337-05

Lab Sample ID: 860-80416-5

Date Collected: 08/01/24 12:50

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/15/24 09:23*	*1*

Client Sample ID: HS24080337-06

Lab Sample ID: 860-80416-6

Date Collected: 08/01/24 15:30

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.862**		0.0100	0.00460	mg/L			08/15/24 13:09	10
1,2-Dichloroethane	<0.00372	U	0.0100	0.00372	mg/L			08/15/24 13:09	10
Methylene Chloride	<0.0173	U	0.0500	0.0173	mg/L			08/15/24 13:09	10
Toluene	**0.828**		0.0100	0.00475	mg/L			08/15/24 13:09	10
Chlorobenzene	<0.00455	U	0.0100	0.00455	mg/L			08/15/24 13:09	10
Ethylbenzene	**0.224**		0.0100	0.00385	mg/L			08/15/24 13:09	10
Xylenes, Total	**0.613**		0.100	0.0124	mg/L			08/15/24 13:09	10
o-Xylene	**0.201**		0.0100	0.00502	mg/L			08/15/24 13:09	10
m,p-Xylenes	**0.412**		0.100	0.0124	mg/L			08/15/24 13:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/15/24 13:09*	*10*
4-Bromofluorobenzene (Surr)	*86*		*74 - 124*		*08/15/24 13:09*	*10*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*08/15/24 13:09*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/15/24 13:09*	*10*

Client Sample ID: HS24080337-07

Lab Sample ID: 860-80416-7

Date Collected: 08/01/24 10:06

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 12:07	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 12:07	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 12:07	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 12:07	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 12:07	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 12:07	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 12:07	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			08/15/24 12:07	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 12:07	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*08/15/24 12:07*	*1*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*08/15/24 12:07*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 131*		*08/15/24 12:07*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/15/24 12:07*	*1*

Client Sample ID: HS24080337-08

Lab Sample ID: 860-80416-8

Date Collected: 08/01/24 11:25

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 12:28	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 12:28	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 12:28	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 12:28	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 12:28	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 12:28	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 12:28	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 12:28	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/15/24 12:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/15/24 12:28*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 131*		*08/15/24 12:28*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/15/24 12:28*	*1*

Client Sample ID: HS24080337-09

Lab Sample ID: 860-80416-9

Date Collected: 08/01/24 14:00

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 09:44	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 09:44	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 09:44	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 09:44	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 09:44	1
Ethylbenzene	**0.000545**	**J**	0.00100	0.000385	mg/L			08/15/24 09:44	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 09:44	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 09:44	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*08/15/24 09:44*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*08/15/24 09:44*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 131*		*08/15/24 09:44*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/15/24 09:44*	*1*

Client Sample ID: HS24080337-10

Lab Sample ID: 860-80416-10

Date Collected: 08/01/24 15:18

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.989**		0.0100	0.00460	mg/L			08/15/24 13:29	10
1,2-Dichloroethane	<0.00372	U	0.0100	0.00372	mg/L			08/15/24 13:29	10
Methylene Chloride	<0.0173	U	0.0500	0.0173	mg/L			08/15/24 13:29	10
Toluene	**0.950**		0.0100	0.00475	mg/L			08/15/24 13:29	10
Chlorobenzene	<0.00455	U	0.0100	0.00455	mg/L			08/15/24 13:29	10
Ethylbenzene	**0.248**		0.0100	0.00385	mg/L			08/15/24 13:29	10
Xylenes, Total	**0.700**		0.100	0.0124	mg/L			08/15/24 13:29	10

Client Sample ID: HS24080337-10

Lab Sample ID: 860-80416-10

Date Collected: 08/01/24 15:18

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**0.227**		0.0100	0.00502	mg/L			08/15/24 13:29	10
m,p-Xylenes	**0.473**		0.100	0.0124	mg/L			08/15/24 13:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/15/24 13:29*	*10*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*		*08/15/24 13:29*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 131*		*08/15/24 13:29*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/15/24 13:29*	*10*

Client Sample ID: HS24080337-11

Lab Sample ID: 860-80416-11

Date Collected: 08/01/24 16:23

Matrix: Water

Date Received: 08/13/24 15:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000676**	**J**	0.00100	0.000460	mg/L			08/15/24 10:04	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 10:04	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			08/15/24 10:04	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 10:04	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 10:04	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 10:04	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 10:04	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 10:04	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*08/15/24 10:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*		*08/15/24 10:04*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 131*		*08/15/24 10:04*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/15/24 10:04*	*1*

Surrogate Summary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
860-80416-1	HS24080337-01	99	93	95	101
860-80416-2	HS24080337-02	100	95	98	101
860-80416-3	HS24080337-03	100	98	94	101
860-80416-4	HS24080337-04	100	98	95	100
860-80416-5	HS24080337-05	102	96	96	100
860-80416-6	HS24080337-06	100	86	96	101
860-80416-7	HS24080337-07	101	98	94	104
860-80416-8	HS24080337-08	99	96	95	101
860-80416-9	HS24080337-09	101	96	97	103
860-80416-10	HS24080337-10	100	91	94	102
860-80416-11	HS24080337-11	99	101	97	99
LCS 860-181582/3	Lab Control Sample	105	95	98	99
LCSD 860-181582/4	Lab Control Sample Dup	100	92	100	99
MB 860-181582/9	Method Blank	100	95	96	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-181582/9
Matrix: Water
Analysis Batch: 181582

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			08/15/24 05:59	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			08/15/24 05:59	1
Methylene Chloride	0.001803	J	0.00500	0.00173	mg/L			08/15/24 05:59	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			08/15/24 05:59	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			08/15/24 05:59	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			08/15/24 05:59	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 05:59	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			08/15/24 05:59	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			08/15/24 05:59	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			08/15/24 05:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*08/15/24 05:59*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*08/15/24 05:59*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*08/15/24 05:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/15/24 05:59*	*1*

Lab Sample ID: LCS 860-181582/3
Matrix: Water
Analysis Batch: 181582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.05015		mg/L		100	75 - 125		
1,2-Dichloroethane			0.0500	0.05193		mg/L		104	72 - 130		
Methylene Chloride			0.0500	0.05212		mg/L		104	71 - 125		
Toluene			0.0500	0.04798		mg/L		96	75 - 130		
Chlorobenzene			0.0500	0.04850		mg/L		97	82 - 135		
Ethylbenzene			0.0500	0.04810		mg/L		96	75 - 125		
Vinyl chloride			0.0500	0.04710		mg/L		94	60 - 140		
o-Xylene			0.0500	0.04822		mg/L		96	75 - 125		
m,p-Xylenes			0.0500	0.04783		mg/L		96	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 144*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 860-181582/4
Matrix: Water
Analysis Batch: 181582

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04912		mg/L		98	75 - 125	2	25
1,2-Dichloroethane			0.0500	0.05160		mg/L		103	72 - 130	1	25
Methylene Chloride			0.0500	0.05195		mg/L		104	71 - 125	0	25
Toluene			0.0500	0.04831		mg/L		97	75 - 130	1	25
Chlorobenzene			0.0500	0.04882		mg/L		98	82 - 135	1	25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-181582/4
Matrix: Water
Analysis Batch: 181582

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.0500	0.04833		mg/L		97	75 - 125	0	25
Vinyl chloride			0.0500	0.04419		mg/L		88	60 - 140	6	25
o-Xylene			0.0500	0.04757		mg/L		95	75 - 125	1	25
m,p-Xylenes			0.0500	0.04743		mg/L		95	75 - 125	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

QC Association Summary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

GC/MS VOA

Analysis Batch: 181582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-80416-1	HS24080337-01	Total/NA	Water	8260C	
860-80416-2	HS24080337-02	Total/NA	Water	8260C	
860-80416-3	HS24080337-03	Total/NA	Water	8260C	
860-80416-4	HS24080337-04	Total/NA	Water	8260C	
860-80416-5	HS24080337-05	Total/NA	Water	8260C	
860-80416-6	HS24080337-06	Total/NA	Water	8260C	
860-80416-7	HS24080337-07	Total/NA	Water	8260C	
860-80416-8	HS24080337-08	Total/NA	Water	8260C	
860-80416-9	HS24080337-09	Total/NA	Water	8260C	
860-80416-10	HS24080337-10	Total/NA	Water	8260C	
860-80416-11	HS24080337-11	Total/NA	Water	8260C	
MB 860-181582/9	Method Blank	Total/NA	Water	8260C	
LCS 860-181582/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-181582/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Client Sample ID: HS24080337-01
Date Collected: 08/01/24 08:35
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 08:22	KLV	EET HOU

Client Sample ID: HS24080337-02
Date Collected: 08/01/24 09:20
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 11:26	KLV	EET HOU

Client Sample ID: HS24080337-03
Date Collected: 08/01/24 10:50
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 08:42	KLV	EET HOU

Client Sample ID: HS24080337-04
Date Collected: 08/01/24 11:55
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 09:03	KLV	EET HOU

Client Sample ID: HS24080337-05
Date Collected: 08/01/24 12:50
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 09:23	KLV	EET HOU

Client Sample ID: HS24080337-06
Date Collected: 08/01/24 15:30
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	5 mL	5 mL	181582	08/15/24 13:09	KLV	EET HOU

Client Sample ID: HS24080337-07
Date Collected: 08/01/24 10:06
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 12:07	KLV	EET HOU

Lab Chronicle

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Client Sample ID: HS24080337-08
Date Collected: 08/01/24 11:25
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 12:28	KLV	EET HOU

Client Sample ID: HS24080337-09
Date Collected: 08/01/24 14:00
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 09:44	KLV	EET HOU

Client Sample ID: HS24080337-10
Date Collected: 08/01/24 15:18
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	5 mL	5 mL	181582	08/15/24 13:29	KLV	EET HOU

Client Sample ID: HS24080337-11
Date Collected: 08/01/24 16:23
Date Received: 08/13/24 15:15

Lab Sample ID: 860-80416-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	181582	08/15/24 10:04	KLV	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-25

Method Summary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
5030C	Purge and Trap	SW846	EET HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: ALS Group USA Corp
Project/Site: HS24080337

Job ID: 860-80416-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-80416-1	HS24080337-01	Water	08/01/24 08:35	08/13/24 15:15
860-80416-2	HS24080337-02	Water	08/01/24 09:20	08/13/24 15:15
860-80416-3	HS24080337-03	Water	08/01/24 10:50	08/13/24 15:15
860-80416-4	HS24080337-04	Water	08/01/24 11:55	08/13/24 15:15
860-80416-5	HS24080337-05	Water	08/01/24 12:50	08/13/24 15:15
860-80416-6	HS24080337-06	Water	08/01/24 15:30	08/13/24 15:15
860-80416-7	HS24080337-07	Water	08/01/24 10:06	08/13/24 15:15
860-80416-8	HS24080337-08	Water	08/01/24 11:25	08/13/24 15:15
860-80416-9	HS24080337-09	Water	08/01/24 14:00	08/13/24 15:15
860-80416-10	HS24080337-10	Water	08/01/24 15:18	08/13/24 15:15
860-80416-11	HS24080337-11	Water	08/01/24 16:23	08/13/24 15:15



10450 Stancliff Rd, Ste 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26640**

SUBCONTRACT TO:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis.Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis aguilar@alsglobal.com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	HS24080337
TSR:	Ron Martino

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	**HS24080337-01**	**WG-1620-MW44A-20240801**	**Groundwater**	**01 Aug 2024 08:35**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
2.	**HS24080337-02**	**WG-1620-MW45C-20240801**	**Groundwater**	**01 Aug 2024 09:20**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
3.	**HS24080337-03**	**WG-1620-MW34CR-20240801**	**Groundwater**	**01 Aug 2024 10:50**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
4.	**HS24080337-04**	**WG-1620-MW44C-20240801**	**Groundwater**	**01 Aug 2024 11:55**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
5.	**HS24080337-05**	**WG-1620-MW46C-20240801**	**Groundwater**	**01 Aug 2024 12:50**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
6.	**HS24080337-06**	**WG-1620-MW72B-20240801**	**Groundwater**	**01 Aug 2024 15:30**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
7.	**HS24080337-07**	**WG-1620-MW17C-20240801**	**Groundwater**	**01 Aug 2024 10:06**
	8260 Select list (7)+ Vinyl Chloride, mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
8.	**HS24080337-08**	**WG-1620-MW17-20240801**	**Groundwater**	**01 Aug 2024 11:25**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
9.	**HS24080337-09**	**WG-1620-MW19C-20240801**	**Groundwater**	**01 Aug 2024 14:00**

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26640**

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
10.	**HS24080337-10**	**WG-1620-MW57B-20240801**	**Groundwater**	**01 Aug 2024 15:18**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024
11.	**HS24080337-11**	**WG-1620-MW57A-20240801**	**Groundwater**	**01 Aug 2024 16:23**
	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD			13 Aug 2024

Comments: Please analyze for the analysis listed above
Send report to the emails shown above
Select list 1,2 Dichloroethane, Benzene, Chlorobenzene, Ethylbenzene, Methylene Chloride, Toluene, Xylenes (Total)
Sample (07) Select list + Vinyl chloride
*SHORT HOLD

QC Level: TRRP LRC (TRRP checklist only+Level II (normal))

Temp: 4.8 IR ID:HOU-368
C/F +0.2
Corrected Temp: 5.0

Relinquished By DS Date/Time 8.13.24 1515

Received By Samba Jorn Date/Time 8/13/24 1575

Cooler ID(s) _____ Temperature(s) _____

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Purchase Order

PO: HS24080337

VENDOR:

Eurofins Laboratories Envt Testing
4145 Greenbriar Dr
Stafford, TX 77477

Phone: +1 281 240 4200

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis.Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis aguilar@alsglobal com
Alternate Contact:	Jumoke M Lawal
Email:	jumoke lawal@alsglobal com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	26640
TSR:	Ron Martino

	Item	Catalog No	Unit Price	Quantity	Ext Price
1	8260 Select list (7), mg/L units, MDL PDF, EQUIS CRA EDD	SUBCONTRACT		11	

Order Total:

Login Sample Receipt Checklist

Client: ALS Group USA Corp

Job Number: 860-80416-1

Login Number: 80416
List Number: 1
Creator: Torres, Sandra

List Source: Eurofins Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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August 26, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24071855**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 3 sample(s) on Jul 30, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24071855**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS24071855**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/26/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071855					
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215639,215753,R474368					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1	
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?		X			2	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X					
		Were MS/MSD RPDs within laboratory QC limits?	X					
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3	
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				4	
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/26/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24071855				
Reviewer Name: Luis.Aguilar			Prep Batch Number(s): 215639,215753,R474368				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports		
Laboratory Name: ALS Laboratory Group		LRC Date: 08/26/2024
Project Name: Houston TX-Wood Preserving Works		Laboratory Job Number: HS24071855
Reviewer Name: Luis.Aguilar		Prep Batch Number(s): 215639,215753,R474368
ER#[5]	**Description**	
1	Semivolatiles Method SW8270, samples WG-1620-MW78A-20240730, WG-1620-MW79A-20240730, WG-1620-MW74B-20240730 the surrogate recoveries could not be determined due to dilution below the calibration range. Semivolatiles Method SW8270, sample WG-1620-MW74B-20240730 surrogate Nitrobenzene-d5 recovered above the control limit due to sample matrix. the method allows for one base surrogate to be outside detection limits. The base/neutral sample results may be biased high.	
2	Batch R474368, Volatiles Method SW8260, LCS/LCSD provided as batch quality control in lieu of MS/MSD	
3	Received a sample not listed on coc for WG-1620-MW88C-20240730 7/30/24 @ 0845	
4	Batch 215753, Semivolatiles Method SW8270, samples WG-1620-MW78A-20240730, WG-1620-MW74B-20240730: The GCMS semi-volatile extract of the samples were run at a dilution due to a high level of matrix interference.	

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24071855

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24071855-01	WG-1620-MW78A-20240730	Groundwater		30-Jul-2024 10:00	30-Jul-2024 17:00	☐
HS24071855-02	WG-1620-MW79A-20240730	Groundwater		30-Jul-2024 11:30	30-Jul-2024 17:00	☐
HS24071855-03	WG-1620-MW74B-20240730	Groundwater		30-Jul-2024 14:15	30-Jul-2024 17:00	☐

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW78A-20240730
Collection Date: 30-Jul-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	12-Aug-2024 17:12
Benzene	**0.18**		**0.010**	**0.050**	**mg/L**	50	12-Aug-2024 17:12
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	12-Aug-2024 17:12
Ethylbenzene	**0.14**		**0.015**	**0.050**	**mg/L**	50	12-Aug-2024 17:12
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	12-Aug-2024 17:12
Toluene	**0.32**		**0.010**	**0.050**	**mg/L**	50	12-Aug-2024 17:12
Xylenes, Total	**0.31**		**0.015**	**0.15**	**mg/L**	50	12-Aug-2024 17:12
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*50*	*12-Aug-2024 17:12*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*50*	*12-Aug-2024 17:12*
Surr: Dibromofluoromethane	*93.2*			*77-123*	*%REC*	*50*	*12-Aug-2024 17:12*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*50*	*12-Aug-2024 17:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW78A-20240730
Collection Date: 30-Jul-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: IT
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	12-Aug-2024 19:37
2,4-Dimethylphenol	**0.99**		**0.0040**	**0.020**	**mg/L**	100	12-Aug-2024 19:59
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	12-Aug-2024 19:37
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	12-Aug-2024 19:37
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	12-Aug-2024 19:37
2-Methylnaphthalene	**0.23**		**0.0019**	**0.010**	**mg/L**	100	12-Aug-2024 19:59
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	12-Aug-2024 19:37
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	12-Aug-2024 19:37
Acenaphthene	**0.083**		**0.00027**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	12-Aug-2024 19:37
Anthracene	**0.0088**		**0.00014**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	12-Aug-2024 19:37
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	12-Aug-2024 19:37
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	12-Aug-2024 19:37
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	12-Aug-2024 19:37
Chrysene	**0.00036**	J	**0.00021**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	12-Aug-2024 19:37
Dibenzofuran	**0.065**		**0.00020**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
Fluoranthene	**0.0059**		**0.00010**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
Fluorene	**0.058**		**0.00030**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	12-Aug-2024 19:37
Naphthalene	**4.4**		**0.020**	**0.10**	**mg/L**	1000	12-Aug-2024 20:22
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	12-Aug-2024 19:37
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	12-Aug-2024 19:37
Phenanthrene	**0.053**		**0.00021**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
Phenol	**0.0029**		**0.00035**	**0.0020**	**mg/L**	10	12-Aug-2024 19:37
Pyrene	**0.0030**		**0.00019**	**0.0010**	**mg/L**	10	12-Aug-2024 19:37
Surr: 2,4,6-Tribromophenol	*125*			*34-129*	*%REC*	*10*	*12-Aug-2024 19:37*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*12-Aug-2024 19:59*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*12-Aug-2024 20:22*
Surr: 2-Fluorobiphenyl	*81.9*			*40-125*	*%REC*	*10*	*12-Aug-2024 19:37*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*12-Aug-2024 19:59*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*12-Aug-2024 20:22*
Surr: 2-Fluorophenol	*95.4*			*20-120*	*%REC*	*10*	*12-Aug-2024 19:37*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*12-Aug-2024 19:59*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*12-Aug-2024 20:22*
Surr: 4-Terphenyl-d14	*125*			*40-135*	*%REC*	*10*	*12-Aug-2024 19:37*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*12-Aug-2024 19:59*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*12-Aug-2024 20:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW78A-20240730
Collection Date: 30-Jul-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 05-Aug-2024		Analyst: IT
Surr: Nitrobenzene-d5	*96.7*			*41-120*	*%REC*	*10*	*12-Aug-2024 19:37*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*12-Aug-2024 19:59*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*12-Aug-2024 20:22*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*12-Aug-2024 19:59*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*12-Aug-2024 20:22*
Surr: Phenol-d6	*84.9*			*20-120*	*%REC*	*10*	*12-Aug-2024 19:37*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.0232**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 21:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW79A-20240730
Collection Date: 30-Jul-2024 11:30

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	12-Aug-2024 17:35
Benzene	**0.030**	J	**0.010**	**0.050**	**mg/L**	50	12-Aug-2024 17:35
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	12-Aug-2024 17:35
Ethylbenzene	**0.026**	J	**0.015**	**0.050**	**mg/L**	50	12-Aug-2024 17:35
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	12-Aug-2024 17:35
Toluene	**0.064**		**0.010**	**0.050**	**mg/L**	50	12-Aug-2024 17:35
Xylenes, Total	**0.063**	J	**0.015**	**0.15**	**mg/L**	50	12-Aug-2024 17:35
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*50*	*12-Aug-2024 17:35*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*50*	*12-Aug-2024 17:35*
Surr: Dibromofluoromethane	*96.3*			*77-123*	*%REC*	*50*	*12-Aug-2024 17:35*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*50*	*12-Aug-2024 17:35*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW79A-20240730
Collection Date: 30-Jul-2024 11:30

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: IT
1,2-Diphenylhydrazine	**0.00084**		**0.000021**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
2,4-Dimethylphenol	**0.33**		**0.0040**	**0.020**	**mg/L**	100	12-Aug-2024 21:07
2,4-Dinitrotoluene	**0.00013**	J	**0.000058**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
2,6-Dinitrotoluene	**0.000059**	J	**0.000042**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
2-Chloronaphthalene	**0.000088**	J	**0.000021**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
2-Methylnaphthalene	**0.0076**		**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
4,6-Dinitro-2-methylphenol	**0.00031**	J	**0.000020**	**0.0010**	**mg/L**	1	09-Aug-2024 00:00
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2024 00:00
Acenaphthene	**0.018**		**0.00027**	**0.0010**	**mg/L**	10	12-Aug-2024 20:44
Acenaphthylene	**0.00027**		**0.000015**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Anthracene	**0.00054**		**0.000014**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2024 00:00
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2024 00:00
Bis(2-chloroethoxy)methane	**0.0027**		**0.000030**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2024 00:00
Chrysene	**0.000030**	J	**0.000021**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Di-n-butyl phthalate	**0.000021**	J	**0.000020**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
Dibenzofuran	**0.0077**		**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Fluoranthene	**0.00036**		**0.000010**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Fluorene	**0.0061**		**0.000030**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
N-Nitrosodiphenylamine	**0.00043**		**0.000025**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
Naphthalene	**0.0060**		**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Nitrobenzene	**0.00011**	J	**0.000024**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2024 00:00
Phenanthrene	**0.0031**		**0.000021**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Phenol	**0.0014**		**0.000035**	**0.00020**	**mg/L**	1	09-Aug-2024 00:00
Pyrene	**0.00025**		**0.000019**	**0.00010**	**mg/L**	1	09-Aug-2024 00:00
Surr: 2,4,6-Tribromophenol	*78.2*			*34-129*	*%REC*	*1*	*09-Aug-2024 00:00*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*12-Aug-2024 21:07*
Surr: 2,4,6-Tribromophenol	*128*			*34-129*	*%REC*	*10*	*12-Aug-2024 20:44*
Surr: 2-Fluorobiphenyl	*89.7*			*40-125*	*%REC*	*10*	*12-Aug-2024 20:44*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*12-Aug-2024 21:07*
Surr: 2-Fluorobiphenyl	*61.1*			*40-125*	*%REC*	*1*	*09-Aug-2024 00:00*
Surr: 2-Fluorophenol	*57.6*			*20-120*	*%REC*	*1*	*09-Aug-2024 00:00*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*12-Aug-2024 21:07*
Surr: 2-Fluorophenol	*89.3*			*20-120*	*%REC*	*10*	*12-Aug-2024 20:44*
Surr: 4-Terphenyl-d14	*124*			*40-135*	*%REC*	*10*	*12-Aug-2024 20:44*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*12-Aug-2024 21:07*
Surr: 4-Terphenyl-d14	*77.3*			*40-135*	*%REC*	*1*	*09-Aug-2024 00:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW79A-20240730
Collection Date: 30-Jul-2024 11:30

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 05-Aug-2024		Analyst: IT
Surr: Nitrobenzene-d5	*59.4*			*41-120*	*%REC*	*1*	*09-Aug-2024 00:00*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*12-Aug-2024 21:07*
Surr: Nitrobenzene-d5	*90.0*			*41-120*	*%REC*	*10*	*12-Aug-2024 20:44*
Surr: Phenol-d6	*93.2*			*20-120*	*%REC*	*10*	*12-Aug-2024 20:44*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*12-Aug-2024 21:07*
Surr: Phenol-d6	*57.0*			*20-120*	*%REC*	*1*	*09-Aug-2024 00:00*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00344**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 21:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW74B-20240730
Collection Date: 30-Jul-2024 14:15

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	12-Aug-2024 17:58
Benzene	**0.26**		**0.010**	**0.050**	**mg/L**	50	12-Aug-2024 17:58
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	12-Aug-2024 17:58
Ethylbenzene	**0.11**		**0.015**	**0.050**	**mg/L**	50	12-Aug-2024 17:58
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	12-Aug-2024 17:58
Toluene	**0.31**		**0.010**	**0.050**	**mg/L**	50	12-Aug-2024 17:58
Xylenes, Total	**0.32**		**0.015**	**0.15**	**mg/L**	50	12-Aug-2024 17:58
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*50*	*12-Aug-2024 17:58*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*50*	*12-Aug-2024 17:58*
Surr: Dibromofluoromethane	*98.2*			*77-123*	*%REC*	*50*	*12-Aug-2024 17:58*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*50*	*12-Aug-2024 17:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW74B-20240730
Collection Date: 30-Jul-2024 14:15

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 05-Aug-2024		Analyst: IT
1,2-Diphenylhydrazine	**0.0044**		**0.00021**	**0.0020**	**mg/L**	10	09-Aug-2024 00:22
2,4-Dimethylphenol	**5.8**		**0.040**	**0.20**	**mg/L**	1000	12-Aug-2024 21:52
2,4-Dinitrotoluene	**0.0027**		**0.00058**	**0.0020**	**mg/L**	10	09-Aug-2024 00:22
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	09-Aug-2024 00:22
2-Chloronaphthalene	**0.00032**	J	**0.00021**	**0.0020**	**mg/L**	10	09-Aug-2024 00:22
2-Methylnaphthalene	**0.70**		**0.0019**	**0.010**	**mg/L**	100	12-Aug-2024 21:29
4,6-Dinitro-2-methylphenol	**0.0019**	J	**0.00020**	**0.010**	**mg/L**	10	09-Aug-2024 00:22
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	09-Aug-2024 00:22
Acenaphthene	**0.47**		**0.0027**	**0.010**	**mg/L**	100	12-Aug-2024 21:29
Acenaphthylene	**0.0087**		**0.00015**	**0.0010**	**mg/L**	10	09-Aug-2024 00:22
Anthracene	**0.095**		**0.00014**	**0.0010**	**mg/L**	10	09-Aug-2024 00:22
Benz(a)anthracene	**0.060**		**0.00050**	**0.0010**	**mg/L**	10	09-Aug-2024 00:22
Benzo(a)pyrene	**0.022**		**0.00020**	**0.0010**	**mg/L**	10	09-Aug-2024 00:22
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	12-Aug-2024 21:29
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	09-Aug-2024 00:22
Chrysene	**0.051**		**0.00021**	**0.0010**	**mg/L**	10	09-Aug-2024 00:22
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	09-Aug-2024 00:22
Dibenzofuran	**0.40**		**0.0020**	**0.010**	**mg/L**	100	12-Aug-2024 21:29
Fluoranthene	**0.49**		**0.0010**	**0.010**	**mg/L**	100	12-Aug-2024 21:29
Fluorene	**0.47**		**0.0030**	**0.010**	**mg/L**	100	12-Aug-2024 21:29
N-Nitrosodiphenylamine	**0.0051**		**0.00025**	**0.0020**	**mg/L**	10	09-Aug-2024 00:22
Naphthalene	**0.00061**	J	**0.00020**	**0.0010**	**mg/L**	10	09-Aug-2024 00:22
Nitrobenzene	**0.0025**		**0.00024**	**0.0020**	**mg/L**	10	09-Aug-2024 00:22
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	09-Aug-2024 00:22
Phenanthrene	**0.97**		**0.0021**	**0.010**	**mg/L**	100	12-Aug-2024 21:29
Phenol	**2.0**		**0.035**	**0.20**	**mg/L**	1000	12-Aug-2024 21:52
Pyrene	**0.32**		**0.0019**	**0.010**	**mg/L**	100	12-Aug-2024 21:29
Surr: 2,4,6-Tribromophenol	*67.5*			*34-129*	*%REC*	*10*	*09-Aug-2024 00:22*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*12-Aug-2024 21:29*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*12-Aug-2024 21:52*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*12-Aug-2024 21:29*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*12-Aug-2024 21:52*
Surr: 2-Fluorobiphenyl	*55.0*			*40-125*	*%REC*	*10*	*09-Aug-2024 00:22*
Surr: 2-Fluorophenol	*65.5*			*20-120*	*%REC*	*10*	*09-Aug-2024 00:22*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*12-Aug-2024 21:29*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*12-Aug-2024 21:52*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*12-Aug-2024 21:29*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*12-Aug-2024 21:52*
Surr: 4-Terphenyl-d14	*76.6*			*40-135*	*%REC*	*10*	*09-Aug-2024 00:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW74B-20240730
Collection Date: 30-Jul-2024 14:15

ANALYTICAL REPORT
WorkOrder:HS24071855
Lab ID:HS24071855-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 05-Aug-2024		Analyst: IT
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*12-Aug-2024 21:29*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*12-Aug-2024 21:52*
Surr: Nitrobenzene-d5	*187*	*S*		*41-120*	*%REC*	*10*	*09-Aug-2024 00:22*
Surr: Phenol-d6	*44.2*			*20-120*	*%REC*	*10*	*09-Aug-2024 00:22*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*12-Aug-2024 21:29*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*12-Aug-2024 21:52*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2024		Analyst: MSC
Arsenic	**0.00405**		**0.000400**	**0.00200**	**mg/L**	1	01-Aug-2024 21:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

Batch ID: 215639 **Start Date:** 01 Aug 2024 12:30 **End Date:** 01 Aug 2024 12:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071855-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071855-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24071855-03		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 215753 **Start Date:** 05 Aug 2024 14:11 **End Date:** 05 Aug 2024 14:11
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24071855-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071855-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24071855-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 215639 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS24071855-01	WG-1620-MW78A-20240730	30 Jul 2024 10:00		01 Aug 2024 12:30	01 Aug 2024 21:32	1
HS24071855-02	WG-1620-MW79A-20240730	30 Jul 2024 11:30		01 Aug 2024 12:30	01 Aug 2024 21:34	1
HS24071855-03	WG-1620-MW74B-20240730	30 Jul 2024 14:15		01 Aug 2024 12:30	01 Aug 2024 21:36	1
Batch ID: 215753 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS24071855-01	WG-1620-MW78A-20240730	30 Jul 2024 10:00		05 Aug 2024 14:11	12 Aug 2024 20:22	1000
HS24071855-01	WG-1620-MW78A-20240730	30 Jul 2024 10:00		05 Aug 2024 14:11	12 Aug 2024 19:59	100
HS24071855-01	WG-1620-MW78A-20240730	30 Jul 2024 10:00		05 Aug 2024 14:11	12 Aug 2024 19:37	10
HS24071855-02	WG-1620-MW79A-20240730	30 Jul 2024 11:30		05 Aug 2024 14:11	12 Aug 2024 21:07	100
HS24071855-02	WG-1620-MW79A-20240730	30 Jul 2024 11:30		05 Aug 2024 14:11	12 Aug 2024 20:44	10
HS24071855-02	WG-1620-MW79A-20240730	30 Jul 2024 11:30		05 Aug 2024 14:11	09 Aug 2024 00:00	1
HS24071855-03	WG-1620-MW74B-20240730	30 Jul 2024 14:15		05 Aug 2024 14:11	12 Aug 2024 21:52	1000
HS24071855-03	WG-1620-MW74B-20240730	30 Jul 2024 14:15		05 Aug 2024 14:11	12 Aug 2024 21:29	100
HS24071855-03	WG-1620-MW74B-20240730	30 Jul 2024 14:15		05 Aug 2024 14:11	09 Aug 2024 00:22	10
Batch ID: R474368 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS24071855-01	WG-1620-MW78A-20240730	30 Jul 2024 10:00			12 Aug 2024 17:12	50
HS24071855-02	WG-1620-MW79A-20240730	30 Jul 2024 11:30			12 Aug 2024 17:35	50
HS24071855-03	WG-1620-MW74B-20240730	30 Jul 2024 14:15			12 Aug 2024 17:58	50

WorkOrder: HS24071855
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00168	0.000400	0.00200

WorkOrder: HS24071855
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.000050	0.000079	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.000050	0.000058	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.000050	0.000078	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.000050	0.000086	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.000050	0.000091	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000089	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.000050	0.00018	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.000050	0.000079	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000088	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000092	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000090	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000090	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000076	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.000050	0.000092	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.000050	0.000077	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000090	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.000050	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000088	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.000091	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000088	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.000050	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.000091	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.000050	0.000088	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.000050	0.0000066	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000092	0.000021	0.00010
A	Phenol	108-95-2	0.000050	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000090	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: HS24071855
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00047	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00049	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00041	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00050	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00047	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0014	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: 215639 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-215639** Units: **mg/L** Analysis Date: **01-Aug-2024 21:09**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171555** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-215639** Units: **mg/L** Analysis Date: **01-Aug-2024 21:11**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171556** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04678	0.00200	0.05	0	93.6	80 - 120				

MS Sample ID: **HS24080003-08MS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:18**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171559** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04414	0.00200	0.05	0.000943	86.4	80 - 120				

MSD Sample ID: **HS24080003-08MSD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:20**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171560** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0462	0.00200	0.05	0.000943	90.5	80 - 120	0.04414	4.55	20	

PDS Sample ID: **HS24080003-08PDS** Units: **mg/L** Analysis Date: **01-Aug-2024 21:23**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171561** PrepDate: **01-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09776	0.00200	0.1	0.000943	96.8	75 - 125				

SD Sample ID: **HS24080003-08SD** Units: **mg/L** Analysis Date: **01-Aug-2024 21:16**
Client ID: Run ID: **ICPMS05_473422** SeqNo: **8171558** PrepDate: **01-Aug-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	< 0.00200	0.0100					0.000943	0	10	

The following samples were analyzed in this batch: HS24071855-01 HS24071855-02 HS24071855-03

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-215753** Units: **ug/L** Analysis Date: **08-Aug-2024 19:07**
Client ID: Run ID: **SV-10_474201** SeqNo: **8186169** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.176*	*0.20*	*5*	*0*	*63.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.682*	*0.20*	*5*	*0*	*73.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.319*	*0.20*	*5*	*0*	*66.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.248*	*0.20*	*5*	*0*	*85.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.621*	*0.20*	*5*	*0*	*72.4*	*41 - 120*				
Surr: Phenol-d6	*3.528*	*0.20*	*5*	*0*	*70.6*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-215753** Units: **ug/L** Analysis Date: **12-Aug-2024 13:35**
Client ID: Run ID: **SV-10_474488** SeqNo: **8192036** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.677	0.20	5	0	73.5	39 - 127				
2,4-Dimethylphenol	3.929	0.20	5	0	78.6	35 - 120				
2,4-Dinitrotoluene	3.754	0.20	5	0	75.1	50 - 122				
2,6-Dinitrotoluene	4.014	0.20	5	0	80.3	50 - 120				
2-Chloronaphthalene	3.911	0.20	5	0	78.2	50 - 120				
2-Methylnaphthalene	3.786	0.10	5	0	75.7	50 - 120				
4,6-Dinitro-2-methylphenol	3.747	1.0	5	0	74.9	25 - 121				
4-Nitrophenol	2.555	1.0	5	0	51.1	30 - 130				
Acenaphthene	3.428	0.10	5	0	68.6	45 - 120				
Acenaphthylene	3.537	0.10	5	0	70.7	47 - 120				
Anthracene	3.565	0.10	5	0	71.3	45 - 120				
Benz(a)anthracene	3.98	0.10	5	0	79.6	40 - 120				
Benzo(a)pyrene	4.082	0.10	5	0	81.6	45 - 120				
Bis(2-chloroethoxy)methane	3.888	0.20	5	0	77.8	45 - 120				
Bis(2-ethylhexyl)phthalate	3.919	0.20	5	0	78.4	40 - 139				
Chrysene	3.753	0.10	5	0	75.1	43 - 120				
Dibenzofuran	3.582	0.10	5	0	71.6	50 - 120				
Di-n-butyl phthalate	4.032	0.20	5	0	80.6	45 - 123				
Fluoranthene	3.781	0.10	5	0	75.6	45 - 125				
Fluorene	3.517	0.10	5	0	70.3	49 - 120				
Naphthalene	3.571	0.10	5	0	71.4	45 - 120				
Nitrobenzene	3.494	0.20	5	0	69.9	44 - 120				
N-Nitrosodiphenylamine	3.836	0.20	5	0	76.7	40 - 125				
Pentachlorophenol	4.175	0.20	5	0	83.5	19 - 121				
Phenanthrene	3.416	0.10	5	0	68.3	45 - 121				
Phenol	4.024	0.20	5	0	80.5	20 - 124				
Pyrene	3.615	0.10	5	0	72.3	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.838*	*0.20*	*5*	*0*	*96.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.749*	*0.20*	*5*	*0*	*75.0*	*40 - 125*				
Surr: 2-Fluorophenol	*3.922*	*0.20*	*5*	*0*	*78.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.397*	*0.20*	*5*	*0*	*87.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.702*	*0.20*	*5*	*0*	*74.0*	*41 - 120*				
Surr: Phenol-d6	*4.189*	*0.20*	*5*	*0*	*83.8*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-215753** Units: **ug/L** Analysis Date: **12-Aug-2024 13:13**
Client ID: Run ID: **SV-10_474488** SeqNo: **8192035** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.693	0.20	5	0	73.9	39 - 127	3.677	0.446	20	
2,4-Dimethylphenol	3.436	0.20	5	0	68.7	35 - 120	3.929	13.4	20	
2,4-Dinitrotoluene	3.77	0.20	5	0	75.4	50 - 122	3.754	0.432	20	
2,6-Dinitrotoluene	4.154	0.20	5	0	83.1	50 - 120	4.014	3.44	20	
2-Chloronaphthalene	3.972	0.20	5	0	79.4	50 - 120	3.911	1.55	20	
2-Methylnaphthalene	3.807	0.10	5	0	76.1	50 - 120	3.786	0.537	20	
4,6-Dinitro-2-methylphenol	3.8	1.0	5	0	76.0	25 - 121	3.747	1.42	30	
4-Nitrophenol	2.613	1.0	5	0	52.3	30 - 130	2.555	2.26	20	
Acenaphthene	3.488	0.10	5	0	69.8	45 - 120	3.428	1.76	20	
Acenaphthylene	3.606	0.10	5	0	72.1	47 - 120	3.537	1.91	20	
Anthracene	3.592	0.10	5	0	71.8	45 - 120	3.565	0.746	20	
Benz(a)anthracene	4.029	0.10	5	0	80.6	40 - 120	3.98	1.22	20	
Benzo(a)pyrene	4.129	0.10	5	0	82.6	45 - 120	4.082	1.14	20	
Bis(2-chloroethoxy)methane	3.859	0.20	5	0	77.2	45 - 120	3.888	0.748	20	
Bis(2-ethylhexyl)phthalate	3.957	0.20	5	0	79.1	40 - 139	3.919	0.952	20	
Chrysene	3.771	0.10	5	0	75.4	43 - 120	3.753	0.472	20	
Dibenzofuran	3.63	0.10	5	0	72.6	50 - 120	3.582	1.34	20	
Di-n-butyl phthalate	3.979	0.20	5	0	79.6	45 - 123	4.032	1.32	20	
Fluoranthene	3.826	0.10	5	0	76.5	45 - 125	3.781	1.18	20	
Fluorene	3.576	0.10	5	0	71.5	49 - 120	3.517	1.67	20	
Naphthalene	3.531	0.10	5	0	70.6	45 - 120	3.571	1.12	20	
Nitrobenzene	3.475	0.20	5	0	69.5	44 - 120	3.494	0.552	20	
N-Nitrosodiphenylamine	3.849	0.20	5	0	77.0	40 - 125	3.836	0.318	20	
Pentachlorophenol	4.259	0.20	5	0	85.2	19 - 121	4.175	2.01	20	
Phenanthrene	3.51	0.10	5	0	70.2	45 - 121	3.416	2.73	20	
Phenol	3.996	0.20	5	0	79.9	20 - 124	4.024	0.688	20	
Pyrene	3.621	0.10	5	0	72.4	40 - 130	3.615	0.143	20	
Surr: 2,4,6-Tribromophenol	*4.836*	*0.20*	*5*	*0*	*96.7*	*34 - 129*	*4.838*	*0.0377*	*20*	
Surr: 2-Fluorobiphenyl	*3.847*	*0.20*	*5*	*0*	*76.9*	*40 - 125*	*3.749*	*2.59*	*20*	
Surr: 2-Fluorophenol	*3.872*	*0.20*	*5*	*0*	*77.4*	*20 - 120*	*3.922*	*1.29*	*20*	
Surr: 4-Terphenyl-d14	*4.367*	*0.20*	*5*	*0*	*87.3*	*40 - 135*	*4.397*	*0.676*	*20*	
Surr: Nitrobenzene-d5	*3.897*	*0.20*	*5*	*0*	*77.9*	*41 - 120*	*3.702*	*5.15*	*20*	
Surr: Phenol-d6	*4.159*	*0.20*	*5*	*0*	*83.2*	*20 - 120*	*4.189*	*0.729*	*20*	

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24071816-16MS** Units: **ug/L** Analysis Date: **08-Aug-2024 22:07**
Client ID: Run ID: **SV-10_474201** SeqNo: **8186173** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.454	0.20	5	0	69.1	39 - 127				
2,4-Dimethylphenol	3.015	0.20	5	0.1378	57.5	35 - 120				
2,4-Dinitrotoluene	3.587	0.20	5	0	71.7	50 - 122				
2,6-Dinitrotoluene	3.961	0.20	5	0	79.2	50 - 120				
2-Chloronaphthalene	3.751	0.20	5	0	75.0	50 - 120				
2-Methylnaphthalene	3.573	0.10	5	0.1678	68.1	50 - 120				
4,6-Dinitro-2-methylphenol	2.912	1.0	5	0	58.2	25 - 121				
4-Nitrophenol	3.228	1.0	5	0	64.6	30 - 130				
Acenaphthene	3.26	0.10	5	0.04798	64.2	45 - 120				
Acenaphthylene	3.305	0.10	5	0	66.1	47 - 120				
Anthracene	3.476	0.10	5	0	69.5	45 - 120				
Benz(a)anthracene	3.89	0.10	5	0	77.8	40 - 120				
Benzo(a)pyrene	3.996	0.10	5	0	79.9	45 - 120				
Bis(2-chloroethoxy)methane	3.113	0.20	5	0	62.3	45 - 120				
Bis(2-ethylhexyl)phthalate	4.67	0.20	5	0	93.4	40 - 139				
Chrysene	3.679	0.10	5	0	73.6	43 - 120				
Dibenzofuran	3.372	0.10	5	0.05918	66.3	50 - 120				
Di-n-butyl phthalate	4.063	0.20	5	0	81.3	45 - 123				
Fluoranthene	3.618	0.10	5	0	72.4	45 - 125				
Fluorene	3.452	0.10	5	0	69.0	49 - 120				
Naphthalene	4.612	0.10	5	1.639	59.5	45 - 120				
Nitrobenzene	3.125	0.20	5	0	62.5	44 - 120				
N-Nitrosodiphenylamine	3.625	0.20	5	0	72.5	40 - 125				
Pentachlorophenol	3.994	0.20	5	0	79.9	19 - 121				
Phenanthrene	3.37	0.10	5	0.04671	66.5	45 - 121				
Phenol	3.062	0.20	5	0	61.2	20 - 124				
Pyrene	3.81	0.10	5	0	76.2	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.438*	*0.20*	*5*	*0*	*68.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.503*	*0.20*	*5*	*0*	*70.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.078*	*0.20*	*5*	*0*	*61.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.358*	*0.20*	*5*	*0*	*87.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.469*	*0.20*	*5*	*0*	*69.4*	*41 - 120*				
Surr: Phenol-d6	*3.261*	*0.20*	*5*	*0*	*65.2*	*20 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: 215753 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24071816-16MSD** Units: **ug/L** Analysis Date: **08-Aug-2024 22:30**
Client ID: Run ID: **SV-10_474201** SeqNo: **8186174** PrepDate: **05-Aug-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.438	0.20	5	0	68.8	39 - 127	3.454	0.456	20	
2,4-Dimethylphenol	3.235	0.20	5	0.1378	62.0	35 - 120	3.015	7.06	20	
2,4-Dinitrotoluene	3.617	0.20	5	0	72.3	50 - 122	3.587	0.854	20	
2,6-Dinitrotoluene	3.991	0.20	5	0	79.8	50 - 120	3.961	0.753	20	
2-Chloronaphthalene	3.685	0.20	5	0	73.7	50 - 120	3.751	1.79	20	
2-Methylnaphthalene	3.71	0.10	5	0.1678	70.8	50 - 120	3.573	3.76	20	
4,6-Dinitro-2-methylphenol	3.234	1.0	5	0	64.7	25 - 121	2.912	10.5	30	
4-Nitrophenol	3.366	1.0	5	0	67.3	30 - 130	3.228	4.18	20	
Acenaphthene	3.267	0.10	5	0.04798	64.4	45 - 120	3.26	0.224	20	
Acenaphthylene	3.291	0.10	5	0	65.8	47 - 120	3.305	0.406	20	
Anthracene	3.562	0.10	5	0	71.2	45 - 120	3.476	2.44	20	
Benz(a)anthracene	3.991	0.10	5	0	79.8	40 - 120	3.89	2.58	20	
Benzo(a)pyrene	3.837	0.10	5	0	76.7	45 - 120	3.996	4.06	20	
Bis(2-chloroethoxy)methane	3.166	0.20	5	0	63.3	45 - 120	3.113	1.68	20	
Bis(2-ethylhexyl)phthalate	4.652	0.20	5	0	93.0	40 - 139	4.67	0.376	20	
Chrysene	3.69	0.10	5	0	73.8	43 - 120	3.679	0.282	20	
Dibenzofuran	3.326	0.10	5	0.05918	65.3	50 - 120	3.372	1.36	20	
Di-n-butyl phthalate	4.08	0.20	5	0	81.6	45 - 123	4.063	0.427	20	
Fluoranthene	3.732	0.10	5	0	74.6	45 - 125	3.618	3.1	20	
Fluorene	3.377	0.10	5	0	67.5	49 - 120	3.452	2.18	20	
Naphthalene	4.802	0.10	5	1.639	63.3	45 - 120	4.612	4.03	20	
Nitrobenzene	3.17	0.20	5	0	63.4	44 - 120	3.125	1.44	20	
N-Nitrosodiphenylamine	3.567	0.20	5	0	71.3	40 - 125	3.625	1.61	20	
Pentachlorophenol	4.275	0.20	5	0	85.5	19 - 121	3.994	6.8	20	
Phenanthrene	3.438	0.10	5	0.04671	67.8	45 - 121	3.37	1.98	20	
Phenol	3.097	0.20	5	0	61.9	20 - 124	3.062	1.13	20	
Pyrene	3.722	0.10	5	0	74.4	40 - 130	3.81	2.32	20	
Surr: 2,4,6-Tribromophenol	*3.471*	*0.20*	*5*	*0*	*69.4*	*34 - 129*	*3.438*	*0.935*	*20*	
Surr: 2-Fluorobiphenyl	*3.393*	*0.20*	*5*	*0*	*67.9*	*40 - 125*	*3.503*	*3.17*	*20*	
Surr: 2-Fluorophenol	*2.968*	*0.20*	*5*	*0*	*59.4*	*20 - 120*	*3.078*	*3.64*	*20*	
Surr: 4-Terphenyl-d14	*4.23*	*0.20*	*5*	*0*	*84.6*	*40 - 135*	*4.358*	*2.99*	*20*	
Surr: Nitrobenzene-d5	*3.467*	*0.20*	*5*	*0*	*69.3*	*41 - 120*	*3.469*	*0.044*	*20*	
Surr: Phenol-d6	*3.218*	*0.20*	*5*	*0*	*64.4*	*20 - 120*	*3.261*	*1.32*	*20*	

The following samples were analyzed in this batch: HS24071855-01 HS24071855-02 HS24071855-03

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: R474368 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 11:29**
Client ID: Run ID: **VOA7_474368** SeqNo: **8189636** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	< 0.20	1.0							
Benzene	< 0.20	1.0							
Chlorobenzene	< 0.30	1.0							
Ethylbenzene	< 0.30	1.0							
Methylene chloride	< 1.0	2.0							
Toluene	< 0.20	1.0							
Xylenes, Total	< 0.30	3.0							
Surr: 1,2-Dichloroethane-d4	*49.55*	*1.0*	*50*	*0*	*99.1*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*45.84*	*1.0*	*50*	*0*	*91.7*	*77 - 113*			
Surr: Dibromofluoromethane	*46.26*	*1.0*	*50*	*0*	*92.5*	*73 - 126*			
Surr: Toluene-d8	*51.27*	*1.0*	*50*	*0*	*103*	*81 - 120*			

LCS Sample ID: **VLCSW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:20**
Client ID: Run ID: **VOA7_474368** SeqNo: **8189634** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	23.07	1.0	20	0	115	70 - 124			
Benzene	19.92	1.0	20	0	99.6	74 - 120			
Chlorobenzene	20.62	1.0	20	0	103	76 - 113			
Ethylbenzene	21.81	1.0	20	0	109	77 - 117			
Methylene chloride	18.2	2.0	20	0	91.0	70 - 127			
Toluene	20.1	1.0	20	0	100	77 - 118			
Xylenes, Total	62.35	3.0	60	0	104	75 - 122			
Surr: 1,2-Dichloroethane-d4	*53.65*	*1.0*	*50*	*0*	*107*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*51.69*	*1.0*	*50*	*0*	*103*	*77 - 113*			
Surr: Dibromofluoromethane	*47.65*	*1.0*	*50*	*0*	*95.3*	*73 - 126*			
Surr: Toluene-d8	*52.01*	*1.0*	*50*	*0*	*104*	*81 - 120*			

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24071855

QC BATCH REPORT

Batch ID: R474368 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240812** Units: **ug/L** Analysis Date: **12-Aug-2024 10:43**
Client ID: Run ID: **VOA7_474368** SeqNo: **8189635** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	21.89	1.0	20	0	109	70 - 124	23.07	5.26	20	
Benzene	19.86	1.0	20	0	99.3	74 - 120	19.92	0.299	20	
Chlorobenzene	19.67	1.0	20	0	98.3	76 - 113	20.62	4.75	20	
Ethylbenzene	20.29	1.0	20	0	101	77 - 117	21.81	7.22	20	
Methylene chloride	17.03	2.0	20	0	85.2	70 - 127	18.2	6.65	20	
Toluene	19.3	1.0	20	0	96.5	77 - 118	20.1	4.07	20	
Xylenes, Total	59.47	3.0	60	0	99.1	75 - 122	62.35	4.72	20	
Surr: 1,2-Dichloroethane-d4	*54.04*	*1.0*	*50*	*0*	*108*	*70 - 123*	*53.65*	*0.711*	*20*	
Surr: 4-Bromofluorobenzene	*51.5*	*1.0*	*50*	*0*	*103*	*77 - 113*	*51.69*	*0.366*	*20*	
Surr: Dibromofluoromethane	*48.54*	*1.0*	*50*	*0*	*97.1*	*73 - 126*	*47.65*	*1.85*	*20*	
Surr: Toluene-d8	*50.97*	*1.0*	*50*	*0*	*102*	*81 - 120*	*52.01*	*2.02*	*20*	

The following samples were analyzed in this batch: HS24071855-01 HS24071855-02 HS24071855-03

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24071855**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Oklahoma	2023-140	31-Aug-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24071855 **Date/Time Received:** **30-Jul-2024 17:00**

Client Name: PBW **Received by:** **Donald Gilmore**

Completed By:	/S/ Belinda Gomez	31-Jul-2024 20:51	**Reviewed by:**	/S/ salina zaid	01-Aug-2024 10:17
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320983
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.0UC/1.0C	IR34
Cooler(s)/Kit(s):	4906	
Date/Time sample(s) sent to storage:	7/31/24 2052	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Rece

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page _____ of _____

COC ID: 320983

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	UPRR/Kevin Peterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3445	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

HS24071855
WSP Austin
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW78A-20240730	7-30-24	1000	GW	1,2,8	6	X	X	X								
2	WG-1620-MW79A-20240730		1130	↓	↓	↓	X	X	X								
3	WG-1620-MW74B-20240730		1415				X	X	X								
4	~~WG-1620-MW80AR-20240730~~						X	X	X								
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Dominic Baptiste Dimi Baptiste

Shipment Method: Carrier

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
Dimi Baptiste	7/30/24	1506	Dimi Baptiste 7.30.24 1506	UPRR HW#W 1620-21
Relinquished by:	Date:	Time:	Received by (Laboratory):	
DS	7.30.24	1700	DS	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
FNS4	0.0
49406	1.0

QC Package: (Check One Box Below)
[ ] Level I Std QC
[ ] Level II Std QC/Raw Data
[ ] Level IV SW846/CLP
[ ] Other
[X] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 18, 2024

Manny Higa
WSP Austin
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS24090328**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Manny Higa ,

ALS Environmental received 16 sample(s) on Sep 07, 2024 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

Client:	WSP Austin	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS24090328**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Austin
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS24090328**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Luis.Aguilar

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 09/17/2024					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24090328					
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 217376, 217535, R476944, R476985, R477175					
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				4
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				5
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 09/17/2024				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS24090328				
Reviewer Name: Luis Aguilar			Prep Batch Number(s): 217376, 217535, R476944, R476985, R477175				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 09/17/2024
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS24090328
Reviewer Name: Luis Aguilar	Prep Batch Number(s): 217376, 217535, R476944, R476985, R477175

ER#[5]	Description
1	Batch 217376, Semivolatiles by method SW8270, Samples WG-1620-MW62B-20240904, WG-1620-MW77A-20240906: The surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 217376, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	Batch R476985, Volatiles by method SW8260, Sample HS24090487-05, MS was performed on an unrelated sample.
4	This report was revised 09/18/24 to include the sample ID listed on the COC.
5	Batch R476944, Volatiles by method SW8260, Samples WG-1620-MW77A-20240906, WG-1620-MW62B-20240904, WG-1620-MW25C-20240905: Lowest possible dilution due to high concentrations of non-target analytes. Batch 217376, Semivolatiles by method SW8270, Multiple Samples: The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Work Order: HS24090328

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24090328-01	WG-1620-MW62B-20240904	Water		04-Sep-2024 13:20	07-Sep-2024 08:10	☐
HS24090328-02	WG-1620-MW64A-20240904	Water		04-Sep-2024 14:35	07-Sep-2024 08:10	☐
HS24090328-03	WG-1620-FB08-20240904	Water		04-Sep-2024 15:00	07-Sep-2024 08:10	☐
HS24090328-04	WG-1620-MW80B-20240905	Water		05-Sep-2024 08:40	07-Sep-2024 08:10	☐
HS24090328-05	WG-1620-MW51C-20240905	Water		05-Sep-2024 09:50	07-Sep-2024 08:10	☐
HS24090328-06	WG-1620-MW25C-20240905	Water		05-Sep-2024 11:40	07-Sep-2024 08:10	☐
HS24090328-07	WG-1620-MW25A-20240905	Water		05-Sep-2024 12:15	07-Sep-2024 08:10	☐
HS24090328-08	WG-1620-MW26A-20240905	Water		05-Sep-2024 14:05	07-Sep-2024 08:10	☐
HS24090328-09	WG-1620-MW47C-20240905	Water		05-Sep-2024 15:30	07-Sep-2024 08:10	☐
HS24090328-10	WG-1620-MW50A-20240905	Water		05-Sep-2024 14:25	07-Sep-2024 08:10	☐
HS24090328-11	WG-1620-FB09-20240905	Water		05-Sep-2024 15:45	07-Sep-2024 08:10	☐
HS24090328-12	WG-1620-MW77A-20240906	Water		06-Sep-2024 08:50	07-Sep-2024 08:10	☐
HS24090328-13	WG-1620-MW98B-20240906	Water		06-Sep-2024 09:45	07-Sep-2024 08:10	☐
HS24090328-14	WG-1620-MW98A-20240906	Water		06-Sep-2024 10:25	07-Sep-2024 08:10	☐
HS24090328-15	WG-1620-MW66D-20240906	Water		06-Sep-2024 15:35	07-Sep-2024 08:10	☐
HS24090328-16	WG-1620-FB10-20240906	Water		06-Sep-2024 16:30	07-Sep-2024 08:10	☐

Client: WSP Austin **CASE NARRATIVE**
Project: Houston TX-Wood Preserving Works
Work Order: HS24090328

Work Order Comments

- This report was revised 09/18/24 to include the sample ID listed on the COC.

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW62B-20240904
Collection Date: 04-Sep-2024 13:20

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 04:24
Benzene	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 04:24
Chlorobenzene	< 0.0075		0.0075	0.025	mg/L	25	12-Sep-2024 04:24
Ethylbenzene	< 0.0075		0.0075	0.025	mg/L	25	12-Sep-2024 04:24
Methylene chloride	< 0.025		0.025	0.050	mg/L	25	12-Sep-2024 04:24
Toluene	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 04:24
Xylenes, Total	< 0.0075		0.0075	0.075	mg/L	25	12-Sep-2024 04:24
Surr: 1,2-Dichloroethane-d4	*96.8*			*70-126*	*%REC*	*25*	*12-Sep-2024 04:24*
Surr: 4-Bromofluorobenzene	*98.8*			*77-113*	*%REC*	*25*	*12-Sep-2024 04:24*
Surr: Dibromofluoromethane	*99.7*			*77-123*	*%REC*	*25*	*12-Sep-2024 04:24*
Surr: Toluene-d8	*94.9*			*82-127*	*%REC*	*25*	*12-Sep-2024 04:24*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW62B-20240904
Collection Date: 04-Sep-2024 13:20

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	12-Sep-2024 17:29
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	12-Sep-2024 17:29
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	12-Sep-2024 17:29
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	12-Sep-2024 17:29
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	12-Sep-2024 17:29
2-Methylnaphthalene	**0.0038**		**0.00019**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	12-Sep-2024 17:29
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	12-Sep-2024 17:29
Acenaphthene	**0.078**		**0.00027**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
Acenaphthylene	**0.0011**		**0.00015**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
Anthracene	**0.0038**		**0.00014**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	12-Sep-2024 17:29
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	12-Sep-2024 17:29
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	12-Sep-2024 17:29
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	12-Sep-2024 17:29
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	12-Sep-2024 17:29
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	12-Sep-2024 17:29
Dibenzofuran	**0.050**		**0.00020**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
Fluoranthene	**0.0030**		**0.00010**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
Fluorene	**0.038**		**0.00030**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
N-Nitrosodiphenylamine	**0.0021**		**0.00025**	**0.0020**	**mg/L**	10	12-Sep-2024 17:29
Naphthalene	**0.13**		**0.0020**	**0.010**	**mg/L**	100	13-Sep-2024 19:39
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	12-Sep-2024 17:29
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	12-Sep-2024 17:29
Phenanthrene	**0.022**		**0.00021**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	12-Sep-2024 17:29
Pyrene	**0.0013**		**0.00019**	**0.0010**	**mg/L**	10	12-Sep-2024 17:29
Surr: 2,4,6-Tribromophenol	*98.6*			*34-129*	*%REC*	*10*	*12-Sep-2024 17:29*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*13-Sep-2024 19:39*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*13-Sep-2024 19:39*
Surr: 2-Fluorobiphenyl	*96.3*			*40-125*	*%REC*	*10*	*12-Sep-2024 17:29*
Surr: 2-Fluorophenol	*73.3*			*20-120*	*%REC*	*10*	*12-Sep-2024 17:29*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Sep-2024 19:39*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*13-Sep-2024 19:39*
Surr: 4-Terphenyl-d14	*117*			*40-135*	*%REC*	*10*	*12-Sep-2024 17:29*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*13-Sep-2024 19:39*
Surr: Nitrobenzene-d5	*84.1*			*41-120*	*%REC*	*10*	*12-Sep-2024 17:29*
Surr: Phenol-d6	*84.1*			*20-120*	*%REC*	*10*	*12-Sep-2024 17:29*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*13-Sep-2024 19:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW62B-20240904
Collection Date: 04-Sep-2024 13:20

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.0388**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 22:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW64A-20240904
Collection Date: 04-Sep-2024 14:35

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 16:59
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 16:59
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 16:59
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 16:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 16:59
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 16:59
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 16:59
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*12-Sep-2024 16:59*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*12-Sep-2024 16:59*
Surr: Dibromofluoromethane	*118*			*77-123*	*%REC*	*1*	*12-Sep-2024 16:59*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*12-Sep-2024 16:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW64A-20240904
Collection Date: 04-Sep-2024 14:35

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	**0.00014**	J	**0.000021**	**0.00020**	**mg/L**	1	12-Sep-2024 18:13
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 18:13
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 18:13
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 18:13
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 18:13
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 18:13
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 18:13
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 18:13
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 18:13
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 18:13
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 18:13
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 18:13
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 18:13
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 18:13
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 18:13
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 18:13
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 18:13
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 18:13
Fluoranthene	**0.00040**		**0.000010**	**0.00010**	**mg/L**	1	12-Sep-2024 18:13
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 18:13
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 18:13
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 18:13
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 18:13
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 18:13
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 18:13
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 18:13
Pyrene	**0.00029**		**0.000019**	**0.00010**	**mg/L**	1	12-Sep-2024 18:13
Surr: 2,4,6-Tribromophenol	*60.2*			*34-129*	*%REC*	*1*	*12-Sep-2024 18:13*
Surr: 2-Fluorobiphenyl	*61.2*			*40-125*	*%REC*	*1*	*12-Sep-2024 18:13*
Surr: 2-Fluorophenol	*52.7*			*20-120*	*%REC*	*1*	*12-Sep-2024 18:13*
Surr: 4-Terphenyl-d14	*71.9*			*40-135*	*%REC*	*1*	*12-Sep-2024 18:13*
Surr: Nitrobenzene-d5	*58.6*			*41-120*	*%REC*	*1*	*12-Sep-2024 18:13*
Surr: Phenol-d6	*58.3*			*20-120*	*%REC*	*1*	*12-Sep-2024 18:13*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.00201**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 22:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB08-20240904
Collection Date: 04-Sep-2024 15:00

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 01:20
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 01:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 01:20
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 01:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 01:20
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 01:20
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 01:20
Surr: 1,2-Dichloroethane-d4	*92.0*			*70-126*	*%REC*	*1*	*12-Sep-2024 01:20*
Surr: 4-Bromofluorobenzene	*95.2*			*77-113*	*%REC*	*1*	*12-Sep-2024 01:20*
Surr: Dibromofluoromethane	*98.0*			*77-123*	*%REC*	*1*	*12-Sep-2024 01:20*
Surr: Toluene-d8	*94.8*			*82-127*	*%REC*	*1*	*12-Sep-2024 01:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB08-20240904
Collection Date: 04-Sep-2024 15:00

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 15:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 15:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 15:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 15:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 15:15
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 15:15
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 15:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 15:15
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 15:15
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 15:15
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 15:15
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 15:15
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 15:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 15:15
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 15:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 15:15
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:15
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Sep-2024 15:15
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 15:15
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 15:15
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 15:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 15:15
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 15:15
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 15:15
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 15:15
Surr: 2,4,6-Tribromophenol	*63.6*			*34-129*	*%REC*	*1*	*12-Sep-2024 15:15*
Surr: 2-Fluorobiphenyl	*69.1*			*40-125*	*%REC*	*1*	*12-Sep-2024 15:15*
Surr: 2-Fluorophenol	*61.4*			*20-120*	*%REC*	*1*	*12-Sep-2024 15:15*
Surr: 4-Terphenyl-d14	*73.5*			*40-135*	*%REC*	*1*	*12-Sep-2024 15:15*
Surr: Nitrobenzene-d5	*65.0*			*41-120*	*%REC*	*1*	*12-Sep-2024 15:15*
Surr: Phenol-d6	*67.0*			*20-120*	*%REC*	*1*	*12-Sep-2024 15:15*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	16-Sep-2024 22:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW80B-20240905
Collection Date: 05-Sep-2024 08:40

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 01:42
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 01:42
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 01:42
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 01:42
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 01:42
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 01:42
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 01:42
Surr: 1,2-Dichloroethane-d4	*95.7*			*70-126*	*%REC*	*1*	*12-Sep-2024 01:42*
Surr: 4-Bromofluorobenzene	*98.4*			*77-113*	*%REC*	*1*	*12-Sep-2024 01:42*
Surr: Dibromofluoromethane	*100*			*77-123*	*%REC*	*1*	*12-Sep-2024 01:42*
Surr: Toluene-d8	*93.5*			*82-127*	*%REC*	*1*	*12-Sep-2024 01:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW80B-20240905
Collection Date: 05-Sep-2024 08:40

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	12-Sep-2024 17:51
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	12-Sep-2024 17:51
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	12-Sep-2024 17:51
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	12-Sep-2024 17:51
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	12-Sep-2024 17:51
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	12-Sep-2024 17:51
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	12-Sep-2024 17:51
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	12-Sep-2024 17:51
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	12-Sep-2024 17:51
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	12-Sep-2024 17:51
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	12-Sep-2024 17:51
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	12-Sep-2024 17:51
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	12-Sep-2024 17:51
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	12-Sep-2024 17:51
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	12-Sep-2024 17:51
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	12-Sep-2024 17:51
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	12-Sep-2024 17:51
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	12-Sep-2024 17:51
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	12-Sep-2024 17:51
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	12-Sep-2024 17:51
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	12-Sep-2024 17:51
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	12-Sep-2024 17:51
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	12-Sep-2024 17:51
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	12-Sep-2024 17:51
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	12-Sep-2024 17:51
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	12-Sep-2024 17:51
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	12-Sep-2024 17:51
Surr: 2,4,6-Tribromophenol	*67.5*			*34-129*	*%REC*	*10*	*12-Sep-2024 17:51*
Surr: 2-Fluorobiphenyl	*79.9*			*40-125*	*%REC*	*10*	*12-Sep-2024 17:51*
Surr: 2-Fluorophenol	*63.0*			*20-120*	*%REC*	*10*	*12-Sep-2024 17:51*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*10*	*12-Sep-2024 17:51*
Surr: Nitrobenzene-d5	*71.1*			*41-120*	*%REC*	*10*	*12-Sep-2024 17:51*
Surr: Phenol-d6	*71.2*			*20-120*	*%REC*	*10*	*12-Sep-2024 17:51*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.000952**	J	**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 22:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51C-20240905
Collection Date: 05-Sep-2024 09:50

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 17:22
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 17:22
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 17:22
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 17:22
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 17:22
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 17:22
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 17:22
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*12-Sep-2024 17:22*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*12-Sep-2024 17:22*
Surr: Dibromofluoromethane	*118*			*77-123*	*%REC*	*1*	*12-Sep-2024 17:22*
Surr: Toluene-d8	*108*			*82-127*	*%REC*	*1*	*12-Sep-2024 17:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51C-20240905
Collection Date: 05-Sep-2024 09:50

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Sep-2024 16:40
2,4-Dimethylphenol	**0.0032**		**0.00040**	**0.0020**	**mg/L**	10	13-Sep-2024 16:40
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Sep-2024 16:40
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Sep-2024 16:40
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Sep-2024 16:40
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	13-Sep-2024 16:40
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Sep-2024 16:40
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Sep-2024 16:40
Acenaphthene	**0.0036**		**0.00027**	**0.0010**	**mg/L**	10	13-Sep-2024 16:40
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	13-Sep-2024 16:40
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	13-Sep-2024 16:40
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	13-Sep-2024 16:40
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	13-Sep-2024 16:40
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Sep-2024 16:40
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Sep-2024 16:40
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	13-Sep-2024 16:40
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Sep-2024 16:40
Dibenzofuran	**0.00058**	J	**0.00020**	**0.0010**	**mg/L**	10	13-Sep-2024 16:40
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	13-Sep-2024 16:40
Fluorene	**0.0015**		**0.00030**	**0.0010**	**mg/L**	10	13-Sep-2024 16:40
N-Nitrosodiphenylamine	**0.00073**	J	**0.00025**	**0.0020**	**mg/L**	10	13-Sep-2024 16:40
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	13-Sep-2024 16:40
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Sep-2024 16:40
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	13-Sep-2024 16:40
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	13-Sep-2024 16:40
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	13-Sep-2024 16:40
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	13-Sep-2024 16:40
Surr: 2,4,6-Tribromophenol	*85.2*			*34-129*	*%REC*	*10*	*13-Sep-2024 16:40*
Surr: 2-Fluorobiphenyl	*90.7*			*40-125*	*%REC*	*10*	*13-Sep-2024 16:40*
Surr: 2-Fluorophenol	*73.9*			*20-120*	*%REC*	*10*	*13-Sep-2024 16:40*
Surr: 4-Terphenyl-d14	*117*			*40-135*	*%REC*	*10*	*13-Sep-2024 16:40*
Surr: Nitrobenzene-d5	*81.0*			*41-120*	*%REC*	*10*	*13-Sep-2024 16:40*
Surr: Phenol-d6	*82.4*			*20-120*	*%REC*	*10*	*13-Sep-2024 16:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.000559**	J	**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 22:54

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25C-20240905
Collection Date: 05-Sep-2024 11:40

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 05:39
Benzene	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 05:39
Chlorobenzene	< 0.0075		0.0075	0.025	mg/L	25	12-Sep-2024 05:39
Ethylbenzene	**0.016**	J	**0.0075**	**0.025**	**mg/L**	25	12-Sep-2024 05:39
Methylene chloride	< 0.025		0.025	0.050	mg/L	25	12-Sep-2024 05:39
Toluene	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 05:39
Xylenes, Total	**0.077**		**0.0075**	**0.075**	**mg/L**	25	12-Sep-2024 05:39
Surr: 1,2-Dichloroethane-d4	*96.1*			*70-126*	*%REC*	*25*	*12-Sep-2024 05:39*
Surr: 4-Bromofluorobenzene	*99.0*			*77-113*	*%REC*	*25*	*12-Sep-2024 05:39*
Surr: Dibromofluoromethane	*99.9*			*77-123*	*%REC*	*25*	*12-Sep-2024 05:39*
Surr: Toluene-d8	*95.0*			*82-127*	*%REC*	*25*	*12-Sep-2024 05:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25C-20240905
Collection Date: 05-Sep-2024 11:40

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Sep-2024 17:03
2,4-Dimethylphenol	**0.0034**		**0.00040**	**0.0020**	**mg/L**	10	13-Sep-2024 17:03
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Sep-2024 17:03
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Sep-2024 17:03
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Sep-2024 17:03
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	13-Sep-2024 17:03
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Sep-2024 17:03
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Sep-2024 17:03
Acenaphthene	**0.041**		**0.00027**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	13-Sep-2024 17:03
Anthracene	**0.0033**		**0.00014**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	13-Sep-2024 17:03
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	13-Sep-2024 17:03
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Sep-2024 17:03
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Sep-2024 17:03
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	13-Sep-2024 17:03
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Sep-2024 17:03
Dibenzofuran	**0.028**		**0.00020**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
Fluoranthene	**0.0058**		**0.00010**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
Fluorene	**0.027**		**0.00030**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	13-Sep-2024 17:03
Naphthalene	**0.0019**		**0.00020**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Sep-2024 17:03
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	13-Sep-2024 17:03
Phenanthrene	**0.035**		**0.00021**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	13-Sep-2024 17:03
Pyrene	**0.0039**		**0.00019**	**0.0010**	**mg/L**	10	13-Sep-2024 17:03
Surr: 2,4,6-Tribromophenol	*96.7*			*34-129*	*%REC*	*10*	*13-Sep-2024 17:03*
Surr: 2-Fluorobiphenyl	*86.8*			*40-125*	*%REC*	*10*	*13-Sep-2024 17:03*
Surr: 2-Fluorophenol	*70.4*			*20-120*	*%REC*	*10*	*13-Sep-2024 17:03*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*10*	*13-Sep-2024 17:03*
Surr: Nitrobenzene-d5	*77.9*			*41-120*	*%REC*	*10*	*13-Sep-2024 17:03*
Surr: Phenol-d6	*78.6*			*20-120*	*%REC*	*10*	*13-Sep-2024 17:03*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.00993**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 22:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25A-20240905
Collection Date: 05-Sep-2024 12:15

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:05
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 02:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 02:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 02:05
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:05
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 02:05
Surr: 1,2-Dichloroethane-d4	*96.1*			*70-126*	*%REC*	*1*	*12-Sep-2024 02:05*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*1*	*12-Sep-2024 02:05*
Surr: Dibromofluoromethane	*100*			*77-123*	*%REC*	*1*	*12-Sep-2024 02:05*
Surr: Toluene-d8	*94.5*			*82-127*	*%REC*	*1*	*12-Sep-2024 02:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25A-20240905
Collection Date: 05-Sep-2024 12:15

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**			Prep:SW3510 / 11-Sep-2024			Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Sep-2024 14:33
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Sep-2024 14:33
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Sep-2024 14:33
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Sep-2024 14:33
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Sep-2024 14:33
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	16-Sep-2024 14:33
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Sep-2024 14:33
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Sep-2024 14:33
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Sep-2024 14:33
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Sep-2024 14:33
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	16-Sep-2024 14:33
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Sep-2024 14:33
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Sep-2024 14:33
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Sep-2024 14:33
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Sep-2024 14:33
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Sep-2024 14:33
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	16-Sep-2024 14:33
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	16-Sep-2024 14:33
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	16-Sep-2024 14:33
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Sep-2024 14:33
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Sep-2024 14:33
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	16-Sep-2024 14:33
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Sep-2024 14:33
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Sep-2024 14:33
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	16-Sep-2024 14:33
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Sep-2024 14:33
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Sep-2024 14:33
Surr: 2,4,6-Tribromophenol	*70.5*			*34-129*	*%REC*	*1*	*16-Sep-2024 14:33*
Surr: 2-Fluorobiphenyl	*65.0*			*40-125*	*%REC*	*1*	*16-Sep-2024 14:33*
Surr: 2-Fluorophenol	*54.2*			*20-120*	*%REC*	*1*	*16-Sep-2024 14:33*
Surr: 4-Terphenyl-d14	*75.2*			*40-135*	*%REC*	*1*	*16-Sep-2024 14:33*
Surr: Nitrobenzene-d5	*59.0*			*41-120*	*%REC*	*1*	*16-Sep-2024 14:33*
Surr: Phenol-d6	*59.9*			*20-120*	*%REC*	*1*	*16-Sep-2024 14:33*
ICP-MS METALS BY SW6020A	**Method:SW6020A**			Prep:SW3010A / 16-Sep-2024			Analyst: JC
Arsenic	**0.00910**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 22:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW26A-20240905
Collection Date: 05-Sep-2024 14:05

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:28
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:28
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 02:28
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 02:28
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 02:28
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:28
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 02:28
Surr: 1,2-Dichloroethane-d4	*97.6*			*70-126*	*%REC*	*1*	*12-Sep-2024 02:28*
Surr: 4-Bromofluorobenzene	*98.2*			*77-113*	*%REC*	*1*	*12-Sep-2024 02:28*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*12-Sep-2024 02:28*
Surr: Toluene-d8	*95.7*			*82-127*	*%REC*	*1*	*12-Sep-2024 02:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW26A-20240905
Collection Date: 05-Sep-2024 14:05

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	**0.000040**	J	**0.000021**	**0.00020**	**mg/L**	1	12-Sep-2024 15:37
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 15:37
2,4-Dinitrotoluene	**0.00014**	J	**0.000058**	**0.00020**	**mg/L**	1	12-Sep-2024 15:37
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 15:37
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 15:37
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 15:37
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 15:37
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 15:37
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 15:37
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 15:37
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 15:37
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 15:37
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:37
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 15:37
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 15:37
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 15:37
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 15:37
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:37
Fluoranthene	**0.00035**		**0.000010**	**0.00010**	**mg/L**	1	12-Sep-2024 15:37
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 15:37
N-Nitrosodiphenylamine	**0.00021**		**0.000025**	**0.00020**	**mg/L**	1	12-Sep-2024 15:37
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:37
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 15:37
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 15:37
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 15:37
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 15:37
Pyrene	**0.00017**		**0.000019**	**0.00010**	**mg/L**	1	12-Sep-2024 15:37
Surr: 2,4,6-Tribromophenol	*69.9*			*34-129*	*%REC*	*1*	*12-Sep-2024 15:37*
Surr: 2-Fluorobiphenyl	*66.9*			*40-125*	*%REC*	*1*	*12-Sep-2024 15:37*
Surr: 2-Fluorophenol	*54.9*			*20-120*	*%REC*	*1*	*12-Sep-2024 15:37*
Surr: 4-Terphenyl-d14	*77.8*			*40-135*	*%REC*	*1*	*12-Sep-2024 15:37*
Surr: Nitrobenzene-d5	*62.0*			*41-120*	*%REC*	*1*	*12-Sep-2024 15:37*
Surr: Phenol-d6	*60.8*			*20-120*	*%REC*	*1*	*12-Sep-2024 15:37*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.0472**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 23:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47C-20240905
Collection Date: 05-Sep-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 02:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 02:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 02:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 02:51
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 02:51
Surr: 1,2-Dichloroethane-d4	*97.2*			*70-126*	*%REC*	*1*	*12-Sep-2024 02:51*
Surr: 4-Bromofluorobenzene	*99.0*			*77-113*	*%REC*	*1*	*12-Sep-2024 02:51*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*12-Sep-2024 02:51*
Surr: Toluene-d8	*95.7*			*82-127*	*%REC*	*1*	*12-Sep-2024 02:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47C-20240905
Collection Date: 05-Sep-2024 15:30

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 21:34
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 21:34
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 21:34
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 21:34
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 21:34
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 21:34
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 21:34
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 21:34
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 21:34
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 21:34
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 21:34
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 21:34
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 21:34
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 21:34
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 21:34
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 21:34
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 21:34
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 21:34
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Sep-2024 21:34
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 21:34
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 21:34
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 21:34
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 21:34
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 21:34
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 21:34
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 21:34
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 21:34
Surr: 2,4,6-Tribromophenol	*54.9*			*34-129*	*%REC*	*1*	*12-Sep-2024 21:34*
Surr: 2-Fluorobiphenyl	*56.0*			*40-125*	*%REC*	*1*	*12-Sep-2024 21:34*
Surr: 2-Fluorophenol	*47.9*			*20-120*	*%REC*	*1*	*12-Sep-2024 21:34*
Surr: 4-Terphenyl-d14	*64.9*			*40-135*	*%REC*	*1*	*12-Sep-2024 21:34*
Surr: Nitrobenzene-d5	*51.3*			*41-120*	*%REC*	*1*	*12-Sep-2024 21:34*
Surr: Phenol-d6	*51.3*			*20-120*	*%REC*	*1*	*12-Sep-2024 21:34*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.00297**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 23:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS24090328
Sample ID: WG-1620-MW50A-20240905
Lab ID:HS24090328-10
Collection Date: 05-Sep-2024 14:25
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:13
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 03:13
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 03:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 03:13
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:13
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 03:13
Surr: 1,2-Dichloroethane-d4	*98.8*			*70-126*	*%REC*	*1*	*12-Sep-2024 03:13*
Surr: 4-Bromofluorobenzene	*98.1*			*77-113*	*%REC*	*1*	*12-Sep-2024 03:13*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*12-Sep-2024 03:13*
Surr: Toluene-d8	*93.5*			*82-127*	*%REC*	*1*	*12-Sep-2024 03:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW50A-20240905
Collection Date: 05-Sep-2024 14:25

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 21:56
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 21:56
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 21:56
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 21:56
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 21:56
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 21:56
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 21:56
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 21:56
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 21:56
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 21:56
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 21:56
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 21:56
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 21:56
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 21:56
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 21:56
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 21:56
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 21:56
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 21:56
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Sep-2024 21:56
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 21:56
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 21:56
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 21:56
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 21:56
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 21:56
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 21:56
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 21:56
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 21:56
Surr: 2,4,6-Tribromophenol	*64.0*			*34-129*	*%REC*	*1*	*12-Sep-2024 21:56*
Surr: 2-Fluorobiphenyl	*70.0*			*40-125*	*%REC*	*1*	*12-Sep-2024 21:56*
Surr: 2-Fluorophenol	*58.6*			*20-120*	*%REC*	*1*	*12-Sep-2024 21:56*
Surr: 4-Terphenyl-d14	*79.1*			*40-135*	*%REC*	*1*	*12-Sep-2024 21:56*
Surr: Nitrobenzene-d5	*63.4*			*41-120*	*%REC*	*1*	*12-Sep-2024 21:56*
Surr: Phenol-d6	*63.6*			*20-120*	*%REC*	*1*	*12-Sep-2024 21:56*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.000646**	J	**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 23:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB09-20240905
Collection Date: 05-Sep-2024 15:45

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:36
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:36
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 03:36
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 03:36
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 03:36
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:36
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 03:36
Surr: 1,2-Dichloroethane-d4	*97.5*			*70-126*	*%REC*	*1*	*12-Sep-2024 03:36*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*12-Sep-2024 03:36*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*12-Sep-2024 03:36*
Surr: Toluene-d8	*93.1*			*82-127*	*%REC*	*1*	*12-Sep-2024 03:36*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB09-20240905
Collection Date: 05-Sep-2024 15:45

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 15:59
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 15:59
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 15:59
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 15:59
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 15:59
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 15:59
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 15:59
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 15:59
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 15:59
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 15:59
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 15:59
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 15:59
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:59
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 15:59
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 15:59
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 15:59
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 15:59
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:59
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Sep-2024 15:59
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 15:59
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 15:59
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 15:59
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 15:59
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 15:59
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 15:59
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 15:59
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 15:59
Surr: 2,4,6-Tribromophenol	*61.7*			*34-129*	*%REC*	*1*	*12-Sep-2024 15:59*
Surr: 2-Fluorobiphenyl	*71.7*			*40-125*	*%REC*	*1*	*12-Sep-2024 15:59*
Surr: 2-Fluorophenol	*64.7*			*20-120*	*%REC*	*1*	*12-Sep-2024 15:59*
Surr: 4-Terphenyl-d14	*78.2*			*40-135*	*%REC*	*1*	*12-Sep-2024 15:59*
Surr: Nitrobenzene-d5	*68.4*			*41-120*	*%REC*	*1*	*12-Sep-2024 15:59*
Surr: Phenol-d6	*68.1*			*20-120*	*%REC*	*1*	*12-Sep-2024 15:59*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	16-Sep-2024 23:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW77A-20240906
Collection Date: 06-Sep-2024 08:50

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 06:04
Benzene	**0.023**	J	**0.0050**	**0.025**	**mg/L**	25	12-Sep-2024 06:04
Chlorobenzene	< 0.0075		0.0075	0.025	mg/L	25	12-Sep-2024 06:04
Ethylbenzene	**0.020**	J	**0.0075**	**0.025**	**mg/L**	25	12-Sep-2024 06:04
Methylene chloride	< 0.025		0.025	0.050	mg/L	25	12-Sep-2024 06:04
Toluene	< 0.0050		0.0050	0.025	mg/L	25	12-Sep-2024 06:04
Xylenes, Total	**0.031**	J	**0.0075**	**0.075**	**mg/L**	25	12-Sep-2024 06:04
Surr: 1,2-Dichloroethane-d4	*96.9*			*70-126*	*%REC*	*25*	*12-Sep-2024 06:04*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*25*	*12-Sep-2024 06:04*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*25*	*12-Sep-2024 06:04*
Surr: Toluene-d8	*97.0*			*82-127*	*%REC*	*25*	*12-Sep-2024 06:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW77A-20240906
Collection Date: 06-Sep-2024 08:50

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	13-Sep-2024 17:48
2,4-Dimethylphenol	**0.0068**		**0.00040**	**0.0020**	**mg/L**	10	13-Sep-2024 17:48
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	13-Sep-2024 17:48
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	13-Sep-2024 17:48
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	13-Sep-2024 17:48
2-Methylnaphthalene	**0.040**		**0.00019**	**0.0010**	**mg/L**	10	13-Sep-2024 17:48
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	13-Sep-2024 17:48
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	13-Sep-2024 17:48
Acenaphthene	**0.027**		**0.00027**	**0.0010**	**mg/L**	10	13-Sep-2024 17:48
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	13-Sep-2024 17:48
Anthracene	**0.0012**		**0.00014**	**0.0010**	**mg/L**	10	13-Sep-2024 17:48
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	13-Sep-2024 17:48
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	13-Sep-2024 17:48
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	13-Sep-2024 17:48
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	13-Sep-2024 17:48
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	13-Sep-2024 17:48
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	13-Sep-2024 17:48
Dibenzofuran	**0.0087**		**0.00020**	**0.0010**	**mg/L**	10	13-Sep-2024 17:48
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	13-Sep-2024 17:48
Fluorene	**0.014**		**0.00030**	**0.0010**	**mg/L**	10	13-Sep-2024 17:48
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	13-Sep-2024 17:48
Naphthalene	**0.85**		**0.020**	**0.10**	**mg/L**	1000	16-Sep-2024 19:25
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	13-Sep-2024 17:48
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	13-Sep-2024 17:48
Phenanthrene	**0.0079**		**0.00021**	**0.0010**	**mg/L**	10	13-Sep-2024 17:48
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	13-Sep-2024 17:48
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	13-Sep-2024 17:48
Surr: 2,4,6-Tribromophenol	*72.6*			*34-129*	*%REC*	*10*	*13-Sep-2024 17:48*
Surr: 2-Fluorobiphenyl	*70.4*			*40-125*	*%REC*	*10*	*13-Sep-2024 17:48*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*16-Sep-2024 19:25*
Surr: 2-Fluorophenol	*60.5*			*20-120*	*%REC*	*10*	*13-Sep-2024 17:48*
Surr: 4-Terphenyl-d14	*99.7*			*40-135*	*%REC*	*10*	*13-Sep-2024 17:48*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*16-Sep-2024 19:25*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*16-Sep-2024 19:25*
Surr: Nitrobenzene-d5	*69.7*			*41-120*	*%REC*	*10*	*13-Sep-2024 17:48*
Surr: Phenol-d6	*63.1*			*20-120*	*%REC*	*10*	*13-Sep-2024 17:48*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.0197**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 23:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW98B-20240906
Collection Date: 06-Sep-2024 09:45

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:59
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:59
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 03:59
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	12-Sep-2024 03:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	12-Sep-2024 03:59
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	12-Sep-2024 03:59
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	12-Sep-2024 03:59
Surr: 1,2-Dichloroethane-d4	*94.1*			*70-126*	*%REC*	*1*	*12-Sep-2024 03:59*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*12-Sep-2024 03:59*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*12-Sep-2024 03:59*
Surr: Toluene-d8	*94.5*			*82-127*	*%REC*	*1*	*12-Sep-2024 03:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW98B-20240906
Collection Date: 06-Sep-2024 09:45

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 16:22
2,4-Dimethylphenol	**0.000052**	J	**0.000040**	**0.00020**	**mg/L**	1	12-Sep-2024 16:22
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 16:22
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 16:22
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 16:22
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 16:22
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 16:22
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 16:22
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 16:22
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 16:22
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 16:22
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 16:22
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 16:22
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 16:22
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 16:22
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 16:22
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 16:22
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 16:22
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Sep-2024 16:22
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 16:22
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 16:22
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 16:22
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 16:22
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 16:22
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 16:22
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 16:22
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 16:22
Surr: 2,4,6-Tribromophenol	*73.4*			*34-129*	*%REC*	*1*	*12-Sep-2024 16:22*
Surr: 2-Fluorobiphenyl	*75.4*			*40-125*	*%REC*	*1*	*12-Sep-2024 16:22*
Surr: 2-Fluorophenol	*62.4*			*20-120*	*%REC*	*1*	*12-Sep-2024 16:22*
Surr: 4-Terphenyl-d14	*88.0*			*40-135*	*%REC*	*1*	*12-Sep-2024 16:22*
Surr: Nitrobenzene-d5	*71.7*			*41-120*	*%REC*	*1*	*12-Sep-2024 16:22*
Surr: Phenol-d6	*69.6*			*20-120*	*%REC*	*1*	*12-Sep-2024 16:22*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.00203**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 23:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW98A-20240906
Collection Date: 06-Sep-2024 10:25

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-14
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 11:58
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 11:58
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Sep-2024 11:58
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Sep-2024 11:58
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	13-Sep-2024 11:58
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 11:58
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	13-Sep-2024 11:58
Surr: 1,2-Dichloroethane-d4	*98.9*			*70-126*	*%REC*	*1*	*13-Sep-2024 11:58*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*1*	*13-Sep-2024 11:58*
Surr: Dibromofluoromethane	*92.9*			*77-123*	*%REC*	*1*	*13-Sep-2024 11:58*
Surr: Toluene-d8	*99.8*			*82-127*	*%REC*	*1*	*13-Sep-2024 11:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW98A-20240906
Collection Date: 06-Sep-2024 10:25

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-14
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Sep-2024 14:55
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Sep-2024 14:55
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Sep-2024 14:55
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Sep-2024 14:55
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Sep-2024 14:55
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	16-Sep-2024 14:55
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Sep-2024 14:55
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Sep-2024 14:55
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Sep-2024 14:55
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Sep-2024 14:55
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	16-Sep-2024 14:55
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Sep-2024 14:55
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Sep-2024 14:55
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Sep-2024 14:55
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Sep-2024 14:55
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Sep-2024 14:55
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	16-Sep-2024 14:55
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	16-Sep-2024 14:55
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	16-Sep-2024 14:55
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Sep-2024 14:55
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Sep-2024 14:55
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	16-Sep-2024 14:55
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Sep-2024 14:55
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Sep-2024 14:55
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	16-Sep-2024 14:55
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Sep-2024 14:55
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Sep-2024 14:55
Surr: 2,4,6-Tribromophenol	*81.2*			*34-129*	*%REC*	*1*	*16-Sep-2024 14:55*
Surr: 2-Fluorobiphenyl	*72.4*			*40-125*	*%REC*	*1*	*16-Sep-2024 14:55*
Surr: 2-Fluorophenol	*61.1*			*20-120*	*%REC*	*1*	*16-Sep-2024 14:55*
Surr: 4-Terphenyl-d14	*82.5*			*40-135*	*%REC*	*1*	*16-Sep-2024 14:55*
Surr: Nitrobenzene-d5	*65.3*			*41-120*	*%REC*	*1*	*16-Sep-2024 14:55*
Surr: Phenol-d6	*66.0*			*20-120*	*%REC*	*1*	*16-Sep-2024 14:55*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.00567**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 23:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW66D-20240906
Collection Date: 06-Sep-2024 15:35

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-15
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 12:20
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 12:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Sep-2024 12:20
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Sep-2024 12:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	13-Sep-2024 12:20
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 12:20
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	13-Sep-2024 12:20
Surr: 1,2-Dichloroethane-d4	*99.4*			*70-126*	*%REC*	*1*	*13-Sep-2024 12:20*
Surr: 4-Bromofluorobenzene	*96.0*			*77-113*	*%REC*	*1*	*13-Sep-2024 12:20*
Surr: Dibromofluoromethane	*91.8*			*77-123*	*%REC*	*1*	*13-Sep-2024 12:20*
Surr: Toluene-d8	*97.8*			*82-127*	*%REC*	*1*	*13-Sep-2024 12:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW66D-20240906
Collection Date: 06-Sep-2024 15:35

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-15
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 16:44
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 16:44
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 16:44
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 16:44
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 16:44
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 16:44
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 16:44
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 16:44
Acenaphthene	**0.00024**		**0.000027**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 16:44
Anthracene	**0.000057**	J	**0.000014**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 16:44
Benzo(a)pyrene	**0.00012**		**0.000020**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 16:44
Bis(2-ethylhexyl)phthalate	**0.00011**	J	**0.000037**	**0.00020**	**mg/L**	1	12-Sep-2024 16:44
Chrysene	**0.00018**		**0.000021**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Di-n-butyl phthalate	**0.000041**	J	**0.000020**	**0.00020**	**mg/L**	1	12-Sep-2024 16:44
Dibenzofuran	**0.00022**		**0.000020**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Fluoranthene	**0.00027**		**0.000010**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Fluorene	**0.00012**		**0.000030**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 16:44
Naphthalene	**0.00047**		**0.000020**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 16:44
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 16:44
Phenanthrene	**0.00017**		**0.000021**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 16:44
Pyrene	**0.00022**		**0.000019**	**0.00010**	**mg/L**	1	12-Sep-2024 16:44
Surr: 2,4,6-Tribromophenol	*78.0*			*34-129*	*%REC*	*1*	*12-Sep-2024 16:44*
Surr: 2-Fluorobiphenyl	*78.3*			*40-125*	*%REC*	*1*	*12-Sep-2024 16:44*
Surr: 2-Fluorophenol	*67.8*			*20-120*	*%REC*	*1*	*12-Sep-2024 16:44*
Surr: 4-Terphenyl-d14	*86.3*			*40-135*	*%REC*	*1*	*12-Sep-2024 16:44*
Surr: Nitrobenzene-d5	*72.0*			*41-120*	*%REC*	*1*	*12-Sep-2024 16:44*
Surr: Phenol-d6	*72.0*			*20-120*	*%REC*	*1*	*12-Sep-2024 16:44*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	**0.00323**		**0.000400**	**0.00200**	**mg/L**	1	16-Sep-2024 23:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB10-20240906
Collection Date: 06-Sep-2024 16:30

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-16
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 11:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 11:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Sep-2024 11:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	13-Sep-2024 11:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	13-Sep-2024 11:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	13-Sep-2024 11:37
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	13-Sep-2024 11:37
Surr: 1,2-Dichloroethane-d4	*99.4*			*70-126*	*%REC*	*1*	*13-Sep-2024 11:37*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*13-Sep-2024 11:37*
Surr: Dibromofluoromethane	*94.2*			*77-123*	*%REC*	*1*	*13-Sep-2024 11:37*
Surr: Toluene-d8	*98.3*			*82-127*	*%REC*	*1*	*13-Sep-2024 11:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB10-20240906
Collection Date: 06-Sep-2024 16:30

ANALYTICAL REPORT
WorkOrder:HS24090328
Lab ID:HS24090328-16
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 11-Sep-2024		Analyst: ML
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 17:06
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	12-Sep-2024 17:06
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	12-Sep-2024 17:06
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	12-Sep-2024 17:06
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	12-Sep-2024 17:06
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 17:06
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	12-Sep-2024 17:06
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	12-Sep-2024 17:06
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	12-Sep-2024 17:06
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	12-Sep-2024 17:06
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	12-Sep-2024 17:06
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	12-Sep-2024 17:06
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 17:06
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	12-Sep-2024 17:06
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	12-Sep-2024 17:06
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 17:06
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	12-Sep-2024 17:06
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 17:06
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	12-Sep-2024 17:06
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	12-Sep-2024 17:06
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	12-Sep-2024 17:06
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	12-Sep-2024 17:06
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	12-Sep-2024 17:06
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	12-Sep-2024 17:06
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	12-Sep-2024 17:06
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	12-Sep-2024 17:06
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	12-Sep-2024 17:06
Surr: 2,4,6-Tribromophenol	*62.3*			*34-129*	*%REC*	*1*	*12-Sep-2024 17:06*
Surr: 2-Fluorobiphenyl	*67.9*			*40-125*	*%REC*	*1*	*12-Sep-2024 17:06*
Surr: 2-Fluorophenol	*62.3*			*20-120*	*%REC*	*1*	*12-Sep-2024 17:06*
Surr: 4-Terphenyl-d14	*80.7*			*40-135*	*%REC*	*1*	*12-Sep-2024 17:06*
Surr: Nitrobenzene-d5	*64.8*			*41-120*	*%REC*	*1*	*12-Sep-2024 17:06*
Surr: Phenol-d6	*65.3*			*20-120*	*%REC*	*1*	*12-Sep-2024 17:06*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 16-Sep-2024		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	16-Sep-2024 23:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Weight / Prep Log

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

Batch ID: 217376 **Start Date:** 11 Sep 2024 11:55 **End Date:** 11 Sep 2024 11:55
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24090328-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS24090328-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 217535 **Start Date:** 16 Sep 2024 09:00 **End Date:** 16 Sep 2024 09:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24090328-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24090328-16		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 217376 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS24090328-01	WG-1620-MW62B-20240904	04 Sep 2024 13:20		11 Sep 2024 11:55	13 Sep 2024 19:39	100
HS24090328-01	WG-1620-MW62B-20240904	04 Sep 2024 13:20		11 Sep 2024 11:55	12 Sep 2024 17:29	10
HS24090328-02	WG-1620-MW64A-20240904	04 Sep 2024 14:35		11 Sep 2024 11:55	12 Sep 2024 18:13	1
HS24090328-03	WG-1620-FB08-20240904	04 Sep 2024 15:00		11 Sep 2024 11:55	12 Sep 2024 15:15	1
HS24090328-04	WG-1620-MW80B-20240905	05 Sep 2024 08:40		11 Sep 2024 11:55	12 Sep 2024 17:51	10
HS24090328-05	WG-1620-MW51C-20240905	05 Sep 2024 09:50		11 Sep 2024 11:55	13 Sep 2024 16:40	10
HS24090328-06	WG-1620-MW25C-20240905	05 Sep 2024 11:40		11 Sep 2024 11:55	13 Sep 2024 17:03	10
HS24090328-07	WG-1620-MW25A-20240905	05 Sep 2024 12:15		11 Sep 2024 11:55	16 Sep 2024 14:33	1
HS24090328-08	WG-1620-MW26A-20240905	05 Sep 2024 14:05		11 Sep 2024 11:55	12 Sep 2024 15:37	1
HS24090328-09	WG-1620-MW47C-20240905	05 Sep 2024 15:30		11 Sep 2024 11:55	12 Sep 2024 21:34	1
HS24090328-10	WG-1620-MW50A-20240905	05 Sep 2024 14:25		11 Sep 2024 11:55	12 Sep 2024 21:56	1
HS24090328-11	WG-1620-FB09-20240905	05 Sep 2024 15:45		11 Sep 2024 11:55	12 Sep 2024 15:59	1
HS24090328-12	WG-1620-MW77A-20240906	06 Sep 2024 08:50		11 Sep 2024 11:55	16 Sep 2024 19:25	1000
HS24090328-12	WG-1620-MW77A-20240906	06 Sep 2024 08:50		11 Sep 2024 11:55	13 Sep 2024 17:48	10
HS24090328-13	WG-1620-MW98B-20240906	06 Sep 2024 09:45		11 Sep 2024 11:55	12 Sep 2024 16:22	1
HS24090328-14	WG-1620-MW98A-20240906	06 Sep 2024 10:25		11 Sep 2024 11:55	16 Sep 2024 14:55	1
HS24090328-15	WG-1620-MW66D-20240906	06 Sep 2024 15:35		11 Sep 2024 11:55	12 Sep 2024 16:44	1
HS24090328-16	WG-1620-FB10-20240906	06 Sep 2024 16:30		11 Sep 2024 11:55	12 Sep 2024 17:06	1
Batch ID: 217535 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS24090328-01	WG-1620-MW62B-20240904	04 Sep 2024 13:20		16 Sep 2024 09:00	16 Sep 2024 22:32	1
HS24090328-02	WG-1620-MW64A-20240904	04 Sep 2024 14:35		16 Sep 2024 09:00	16 Sep 2024 22:48	1
HS24090328-03	WG-1620-FB08-20240904	04 Sep 2024 15:00		16 Sep 2024 09:00	16 Sep 2024 22:50	1
HS24090328-04	WG-1620-MW80B-20240905	05 Sep 2024 08:40		16 Sep 2024 09:00	16 Sep 2024 22:52	1
HS24090328-05	WG-1620-MW51C-20240905	05 Sep 2024 09:50		16 Sep 2024 09:00	16 Sep 2024 22:54	1
HS24090328-06	WG-1620-MW25C-20240905	05 Sep 2024 11:40		16 Sep 2024 09:00	16 Sep 2024 22:56	1
HS24090328-07	WG-1620-MW25A-20240905	05 Sep 2024 12:15		16 Sep 2024 09:00	16 Sep 2024 22:58	1
HS24090328-08	WG-1620-MW26A-20240905	05 Sep 2024 14:05		16 Sep 2024 09:00	16 Sep 2024 23:00	1
HS24090328-09	WG-1620-MW47C-20240905	05 Sep 2024 15:30		16 Sep 2024 09:00	16 Sep 2024 23:02	1
HS24090328-10	WG-1620-MW50A-20240905	05 Sep 2024 14:25		16 Sep 2024 09:00	16 Sep 2024 23:04	1
HS24090328-11	WG-1620-FB09-20240905	05 Sep 2024 15:45		16 Sep 2024 09:00	16 Sep 2024 23:06	1
HS24090328-12	WG-1620-MW77A-20240906	06 Sep 2024 08:50		16 Sep 2024 09:00	16 Sep 2024 23:12	1
HS24090328-13	WG-1620-MW98B-20240906	06 Sep 2024 09:45		16 Sep 2024 09:00	16 Sep 2024 23:14	1
HS24090328-14	WG-1620-MW98A-20240906	06 Sep 2024 10:25		16 Sep 2024 09:00	16 Sep 2024 23:16	1
HS24090328-15	WG-1620-MW66D-20240906	06 Sep 2024 15:35		16 Sep 2024 09:00	16 Sep 2024 23:18	1
HS24090328-16	WG-1620-FB10-20240906	06 Sep 2024 16:30		16 Sep 2024 09:00	16 Sep 2024 23:20	1

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R476944 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24090328-01	WG-1620-MW62B-20240904	04 Sep 2024 13:20			12 Sep 2024 04:24	25
HS24090328-03	WG-1620-FB08-20240904	04 Sep 2024 15:00			12 Sep 2024 01:20	1
HS24090328-04	WG-1620-MW80B-20240905	05 Sep 2024 08:40			12 Sep 2024 01:42	1
HS24090328-06	WG-1620-MW25C-20240905	05 Sep 2024 11:40			12 Sep 2024 05:39	25
HS24090328-07	WG-1620-MW25A-20240905	05 Sep 2024 12:15			12 Sep 2024 02:05	1
HS24090328-08	WG-1620-MW26A-20240905	05 Sep 2024 14:05			12 Sep 2024 02:28	1
HS24090328-09	WG-1620-MW47C-20240905	05 Sep 2024 15:30			12 Sep 2024 02:51	1
HS24090328-10	WG-1620-MW50A-20240905	05 Sep 2024 14:25			12 Sep 2024 03:13	1
HS24090328-11	WG-1620-FB09-20240905	05 Sep 2024 15:45			12 Sep 2024 03:36	1
HS24090328-12	WG-1620-MW77A-20240906	06 Sep 2024 08:50			12 Sep 2024 06:04	25
HS24090328-13	WG-1620-MW98B-20240906	06 Sep 2024 09:45			12 Sep 2024 03:59	1
Batch ID: R476985 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24090328-02	WG-1620-MW64A-20240904	04 Sep 2024 14:35			12 Sep 2024 16:59	1
HS24090328-05	WG-1620-MW51C-20240905	05 Sep 2024 09:50			12 Sep 2024 17:22	1
Batch ID: R477175 (1)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24090328-14	WG-1620-MW98A-20240906	06 Sep 2024 10:25			13 Sep 2024 11:58	1
HS24090328-15	WG-1620-MW66D-20240906	06 Sep 2024 15:35			13 Sep 2024 12:20	1
HS24090328-16	WG-1620-FB10-20240906	06 Sep 2024 16:30			13 Sep 2024 11:37	1

Revision: 1

WorkOrder: HS24090328
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.000983	0.000400	0.00200

Revision:1

WorkOrder: HS24090328
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.000050	0.000079	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.000050	0.000058	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.000050	0.000078	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.000050	0.000086	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.000050	0.000091	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000089	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.000050	0.00018	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.000050	0.000079	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000088	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000092	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000090	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000090	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000076	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.000050	0.000092	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.000050	0.000077	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000090	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.000050	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000088	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.000091	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000088	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.000050	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.000091	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.000050	0.000088	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.000050	0.0000066	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000092	0.000021	0.00010
A	Phenol	108-95-2	0.000050	0.000095	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000090	0.000019	0.00010
S	2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	2-Fluorophenol	367-12-4	0	0	0	0.00020
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Phenol-d6	13127-88-3	0	0	0	0.00020

Revision:1

WorkOrder: HS24090328
InstrumentID: VOA4
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.0011	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00057	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00056	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00016	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.0019	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0016	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Revision:1

WorkOrder: HS24090328
InstrumentID: VOA7
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.00049	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00041	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00046	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00039	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00092	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00043	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0013	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Revision:1

WorkOrder: HS24090328
InstrumentID: VOA9
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Dichloroethane	107-06-2	0.00050	0.000058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00046	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00040	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00030	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00053	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00049	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.00094	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Revision:1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: 217535 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-217535** Units: **mg/L** Analysis Date: **16-Sep-2024 22:28**
Client ID: Run ID: **ICPMS06_477231** SeqNo: **8254394** PrepDate: **16-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	< 0.000400	0.00200								

LCS Sample ID: **LCS-217535** Units: **mg/L** Analysis Date: **16-Sep-2024 22:30**
Client ID: Run ID: **ICPMS06_477231** SeqNo: **8254395** PrepDate: **16-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04455	0.00200	0.05	0	89.1	80 - 120				

MS Sample ID: **HS24090328-01MS** Units: **mg/L** Analysis Date: **16-Sep-2024 22:36**
Client ID: **WG-1620-MW62B-20240904** Run ID: **ICPMS06_477231** SeqNo: **8254398** PrepDate: **16-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.08623	0.00200	0.05	0.0388	94.9	80 - 120				

MSD Sample ID: **HS24090328-01MSD** Units: **mg/L** Analysis Date: **16-Sep-2024 22:38**
Client ID: **WG-1620-MW62B-20240904** Run ID: **ICPMS06_477231** SeqNo: **8254399** PrepDate: **16-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.08227	0.00200	0.05	0.0388	86.9	80 - 120	0.08623	4.71	20	

PDS Sample ID: **HS24090328-01PDS** Units: **mg/L** Analysis Date: **16-Sep-2024 22:40**
Client ID: **WG-1620-MW62B-20240904** Run ID: **ICPMS06_477231** SeqNo: **8254400** PrepDate: **16-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1267	0.00200	0.1	0.0388	87.9	75 - 125				

SD Sample ID: **HS24090328-01SD** Units: **mg/L** Analysis Date: **16-Sep-2024 22:34**
Client ID: **WG-1620-MW62B-20240904** Run ID: **ICPMS06_477231** SeqNo: **8254397** PrepDate: **16-Sep-2024** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.03899	0.0100					0.0388	0.487	10	

The following samples were analyzed in this batch:

HS24090328-01	HS24090328-02	HS24090328-03	HS24090328-04
HS24090328-05	HS24090328-06	HS24090328-07	HS24090328-08
HS24090328-09	HS24090328-10	HS24090328-11	HS24090328-12
HS24090328-13	HS24090328-14	HS24090328-15	HS24090328-16

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: 217376 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-217376** Units: **ug/L** Analysis Date: **12-Sep-2024 11:37**
Client ID: Run ID: **SV-10_476995** SeqNo: **8248247** PrepDate: **11-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.793*	*0.20*	*5*	*0*	*75.9*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.206*	*0.20*	*5*	*0*	*84.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.775*	*0.20*	*5*	*0*	*75.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.473*	*0.20*	*5*	*0*	*89.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.969*	*0.20*	*5*	*0*	*79.4*	*41 - 120*				
Surr: Phenol-d6	*4.058*	*0.20*	*5*	*0*	*81.2*	*20 - 120*				

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: 217376 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-217376** Units: **ug/L** Analysis Date: **12-Sep-2024 12:40**
Client ID: Run ID: **SV-10_476995** SeqNo: **8248249** PrepDate: **11-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	2.918	0.20	5	0	58.4	39 - 127				
2,4-Dimethylphenol	3.441	0.20	5	0	68.8	35 - 120				
2,4-Dinitrotoluene	3.227	0.20	5	0	64.5	50 - 122				
2,6-Dinitrotoluene	3.282	0.20	5	0	65.6	50 - 120				
2-Chloronaphthalene	3.252	0.20	5	0	65.0	50 - 120				
2-Methylnaphthalene	2.751	0.10	5	0	55.0	50 - 120				
4,6-Dinitro-2-methylphenol	3.583	1.0	5	0	71.7	25 - 121				
4-Nitrophenol	3.365	1.0	5	0	67.3	30 - 130				
Acenaphthene	2.913	0.10	5	0	58.3	45 - 120				
Acenaphthylene	3.106	0.10	5	0	62.1	47 - 120				
Anthracene	3.216	0.10	5	0	64.3	45 - 120				
Benz(a)anthracene	3.136	0.10	5	0	62.7	40 - 120				
Benzo(a)pyrene	3.403	0.10	5	0	68.1	45 - 120				
Bis(2-chloroethoxy)methane	2.943	0.20	5	0	58.9	45 - 120				
Bis(2-ethylhexyl)phthalate	3.459	0.20	5	0	69.2	40 - 139				
Chrysene	3.17	0.10	5	0	63.4	43 - 120				
Dibenzofuran	2.931	0.10	5	0	58.6	50 - 120				
Di-n-butyl phthalate	3.334	0.20	5	0	66.7	45 - 123				
Fluoranthene	3.241	0.10	5	0	64.8	45 - 125				
Fluorene	3.023	0.10	5	0	60.5	49 - 120				
Naphthalene	2.966	0.10	5	0	59.3	45 - 120				
Nitrobenzene	2.87	0.20	5	0	57.4	44 - 120				
N-Nitrosodiphenylamine	3.108	0.20	5	0	62.2	40 - 125				
Pentachlorophenol	3.14	0.20	5	0	62.8	19 - 121				
Phenanthrene	3.104	0.10	5	0	62.1	45 - 121				
Phenol	3.056	0.20	5	0	61.1	20 - 124				
Pyrene	3.144	0.10	5	0	62.9	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.135*	*0.20*	*5*	*0*	*62.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.268*	*0.20*	*5*	*0*	*65.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.003*	*0.20*	*5*	*0*	*60.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.52*	*0.20*	*5*	*0*	*70.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.121*	*0.20*	*5*	*0*	*62.4*	*41 - 120*				
Surr: Phenol-d6	*3.115*	*0.20*	*5*	*0*	*62.3*	*20 - 120*				

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: 217376 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-217376** Units: **ug/L** Analysis Date: **12-Sep-2024 13:46**
Client ID: Run ID: **SV-10_476995** SeqNo: **8248250** PrepDate: **11-Sep-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	2.947	0.20	5	0	58.9	39 - 127	2.918	1	20	
2,4-Dimethylphenol	3.456	0.20	5	0	69.1	35 - 120	3.441	0.456	20	
2,4-Dinitrotoluene	3.29	0.20	5	0	65.8	50 - 122	3.227	1.94	20	
2,6-Dinitrotoluene	3.338	0.20	5	0	66.8	50 - 120	3.282	1.7	20	
2-Chloronaphthalene	3.462	0.20	5	0	69.2	50 - 120	3.252	6.26	20	
2-Methylnaphthalene	2.778	0.10	5	0	55.6	50 - 120	2.751	0.967	20	
4,6-Dinitro-2-methylphenol	3.584	1.0	5	0	71.7	25 - 121	3.583	0.0368	30	
4-Nitrophenol	3.542	1.0	5	0	70.8	30 - 130	3.365	5.13	20	
Acenaphthene	3.072	0.10	5	0	61.4	45 - 120	2.913	5.29	20	
Acenaphthylene	3.215	0.10	5	0	64.3	47 - 120	3.106	3.44	20	
Anthracene	3.238	0.10	5	0	64.8	45 - 120	3.216	0.668	20	
Benz(a)anthracene	3.27	0.10	5	0	65.4	40 - 120	3.136	4.18	20	
Benzo(a)pyrene	3.371	0.10	5	0	67.4	45 - 120	3.403	0.938	20	
Bis(2-chloroethoxy)methane	2.995	0.20	5	0	59.9	45 - 120	2.943	1.75	20	
Bis(2-ethylhexyl)phthalate	3.49	0.20	5	0	69.8	40 - 139	3.459	0.89	20	
Chrysene	3.133	0.10	5	0	62.7	43 - 120	3.17	1.15	20	
Dibenzofuran	2.997	0.10	5	0	59.9	50 - 120	2.931	2.21	20	
Di-n-butyl phthalate	3.342	0.20	5	0	66.8	45 - 123	3.334	0.251	20	
Fluoranthene	3.179	0.10	5	0	63.6	45 - 125	3.241	1.92	20	
Fluorene	3.131	0.10	5	0	62.6	49 - 120	3.023	3.49	20	
Naphthalene	3.038	0.10	5	0	60.8	45 - 120	2.966	2.37	20	
Nitrobenzene	2.897	0.20	5	0	57.9	44 - 120	2.87	0.911	20	
N-Nitrosodiphenylamine	3.138	0.20	5	0	62.8	40 - 125	3.108	0.982	20	
Pentachlorophenol	3.085	0.20	5	0	61.7	19 - 121	3.14	1.79	20	
Phenanthrene	3.144	0.10	5	0	62.9	45 - 121	3.104	1.29	20	
Phenol	3.125	0.20	5	0	62.5	20 - 124	3.056	2.22	20	
Pyrene	3.158	0.10	5	0	63.2	40 - 130	3.144	0.442	20	
Surr: 2,4,6-Tribromophenol	*3.398*	*0.20*	*5*	*0*	*68.0*	*34 - 129*	*3.135*	*8.07*	*20*	
Surr: 2-Fluorobiphenyl	*3.337*	*0.20*	*5*	*0*	*66.7*	*40 - 125*	*3.268*	*2.1*	*20*	
Surr: 2-Fluorophenol	*2.958*	*0.20*	*5*	*0*	*59.2*	*20 - 120*	*3.003*	*1.52*	*20*	
Surr: 4-Terphenyl-d14	*3.436*	*0.20*	*5*	*0*	*68.7*	*40 - 135*	*3.52*	*2.42*	*20*	
Surr: Nitrobenzene-d5	*3.172*	*0.20*	*5*	*0*	*63.4*	*41 - 120*	*3.121*	*1.6*	*20*	
Surr: Phenol-d6	*3.142*	*0.20*	*5*	*0*	*62.8*	*20 - 120*	*3.115*	*0.877*	*20*	

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: 217376 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS24090328-01	HS24090328-02	HS24090328-03	HS24090328-04
HS24090328-05	HS24090328-06	HS24090328-07	HS24090328-08
HS24090328-09	HS24090328-10	HS24090328-11	HS24090328-12
HS24090328-13	HS24090328-14	HS24090328-15	HS24090328-16

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R476944 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240911** Units: **ug/L** Analysis Date: **11-Sep-2024 23:26**
Client ID: Run ID: **VOA4_476944** SeqNo: **8247239** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*46.27*	*1.0*	*50*	*0*	*92.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.3*	*1.0*	*50*	*0*	*98.6*	*77 - 113*				
Surr: Dibromofluoromethane	*49.5*	*1.0*	*50*	*0*	*99.0*	*73 - 126*				
Surr: Toluene-d8	*46.9*	*1.0*	*50*	*0*	*93.8*	*81 - 120*				

LCS Sample ID: **VLCSW-240911** Units: **ug/L** Analysis Date: **11-Sep-2024 22:17**
Client ID: Run ID: **VOA4_476944** SeqNo: **8247237** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.06	1.0	20	0	95.3	70 - 124				
Benzene	19	1.0	20	0	95.0	74 - 120				
Chlorobenzene	18.59	1.0	20	0	92.9	76 - 113				
Ethylbenzene	17.73	1.0	20	0	88.7	77 - 117				
Methylene chloride	22.24	2.0	20	0	111	70 - 127				
Toluene	18.08	1.0	20	0	90.4	77 - 118				
Xylenes, Total	59.71	3.0	60	0	99.5	75 - 122				
Surr: 1,2-Dichloroethane-d4	*52.85*	*1.0*	*50*	*0*	*106*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*54.4*	*1.0*	*50*	*0*	*109*	*77 - 113*				
Surr: Dibromofluoromethane	*52.77*	*1.0*	*50*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*49.6*	*1.0*	*50*	*0*	*99.2*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R476944 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240911** Units: **ug/L** Analysis Date: **11-Sep-2024 22:40**
Client ID: Run ID: **VOA4_476944** SeqNo: **8247238** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.88	1.0	20	0	89.4	70 - 124	19.06	6.39	20	
Benzene	17.73	1.0	20	0	88.6	74 - 120	19	6.93	20	
Chlorobenzene	16.94	1.0	20	0	84.7	76 - 113	18.59	9.26	20	
Ethylbenzene	16.08	1.0	20	0	80.4	77 - 117	17.73	9.78	20	
Methylene chloride	20.02	2.0	20	0	100	70 - 127	22.24	10.5	20	
Toluene	16.07	1.0	20	0	80.3	77 - 118	18.08	11.8	20	
Xylenes, Total	52.6	3.0	60	0	87.7	75 - 122	59.71	12.7	20	
Surr: 1,2-Dichloroethane-d4	*54.1*	*1.0*	*50*	*0*	*108*	*70 - 123*	*52.85*	*2.34*	*20*	
Surr: 4-Bromofluorobenzene	*52.98*	*1.0*	*50*	*0*	*106*	*77 - 113*	*54.4*	*2.65*	*20*	
Surr: Dibromofluoromethane	*52.13*	*1.0*	*50*	*0*	*104*	*73 - 126*	*52.77*	*1.22*	*20*	
Surr: Toluene-d8	*48.41*	*1.0*	*50*	*0*	*96.8*	*81 - 120*	*49.6*	*2.43*	*20*	

MS Sample ID: **HS24090328-09MS** Units: **ug/L** Analysis Date: **12-Sep-2024 07:42**
Client ID: **WG-1620-MW47C-20240905** Run ID: **VOA4_476944** SeqNo: **8247350** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	16.39	1.0	20	0	81.9	70 - 127				
Benzene	17.37	1.0	20	0	86.9	70 - 127				
Chlorobenzene	16.63	1.0	20	0	83.2	70 - 114				
Ethylbenzene	16.17	1.0	20	0	80.8	70 - 124				
Methylene chloride	18.77	2.0	20	0	93.9	70 - 128				
Toluene	16.38	1.0	20	0	81.9	70 - 123				
Xylenes, Total	53.72	3.0	60	0	89.5	70 - 130				
Surr: 1,2-Dichloroethane-d4	*50.5*	*1.0*	*50*	*0*	*101*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*51.72*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*50.55*	*1.0*	*50*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*47.94*	*1.0*	*50*	*0*	*95.9*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R476944 (0) **Instrument:** VOA4 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS24090328-09MSD** Units: **ug/L** Analysis Date: **12-Sep-2024 08:05**
Client ID: **WG-1620-MW47C-20240905** Run ID: **VOA4_476944** SeqNo: **8247351** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	16.77	1.0	20	0	83.9	70 - 127	16.39	2.32	20	
Benzene	16.98	1.0	20	0	84.9	70 - 127	17.37	2.3	20	
Chlorobenzene	16.27	1.0	20	0	81.3	70 - 114	16.63	2.24	20	
Ethylbenzene	16.25	1.0	20	0	81.3	70 - 124	16.17	0.52	20	
Methylene chloride	18.73	2.0	20	0	93.6	70 - 128	18.77	0.23	20	
Toluene	15.84	1.0	20	0	79.2	70 - 123	16.38	3.34	20	
Xylenes, Total	52.32	3.0	60	0	87.2	70 - 130	53.72	2.66	20	
Surr: 1,2-Dichloroethane-d4	*51.2*	*1.0*	*50*	*0*	*102*	*70 - 126*	*50.5*	*1.39*	*20*	
Surr: 4-Bromofluorobenzene	*53.18*	*1.0*	*50*	*0*	*106*	*77 - 113*	*51.72*	*2.79*	*20*	
Surr: Dibromofluoromethane	*50.41*	*1.0*	*50*	*0*	*101*	*77 - 123*	*50.55*	*0.264*	*20*	
Surr: Toluene-d8	*49.33*	*1.0*	*50*	*0*	*98.7*	*82 - 127*	*47.94*	*2.86*	*20*	

The following samples were analyzed in this batch:

HS24090328-01	HS24090328-03	HS24090328-04	HS24090328-06
HS24090328-07	HS24090328-08	HS24090328-09	HS24090328-10
HS24090328-11	HS24090328-12	HS24090328-13	

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R476985 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240912** Units: **ug/L** Analysis Date: **12-Sep-2024 10:46**
Client ID: Run ID: **VOA7_476985** SeqNo: **8248096** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*54.21*	*1.0*	*50*	*0*	*108*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.77*	*1.0*	*50*	*0*	*99.5*	*77 - 113*				
Surr: Dibromofluoromethane	*57.6*	*1.0*	*50*	*0*	*115*	*73 - 126*				
Surr: Toluene-d8	*55.06*	*1.0*	*50*	*0*	*110*	*81 - 120*				

LCS Sample ID: **VLCSW-240912** Units: **ug/L** Analysis Date: **12-Sep-2024 09:37**
Client ID: Run ID: **VOA7_476985** SeqNo: **8248094** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	16.69	1.0	20	0	83.5	70 - 124				
Benzene	19.51	1.0	20	0	97.6	74 - 120				
Chlorobenzene	18.46	1.0	20	0	92.3	76 - 113				
Ethylbenzene	18.96	1.0	20	0	94.8	77 - 117				
Methylene chloride	21.22	2.0	20	0	106	70 - 127				
Toluene	19.51	1.0	20	0	97.5	77 - 118				
Xylenes, Total	53.43	3.0	60	0	89.1	75 - 122				
Surr: 1,2-Dichloroethane-d4	*54.72*	*1.0*	*50*	*0*	*109*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.92*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*56.83*	*1.0*	*50*	*0*	*114*	*73 - 126*				
Surr: Toluene-d8	*54.68*	*1.0*	*50*	*0*	*109*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R476985 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240912** Units: **ug/L** Analysis Date: **12-Sep-2024 10:00**
Client ID: Run ID: **VOA7_476985** SeqNo: **8248095** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	17.36	1.0	20	0	86.8	70 - 124	16.69	3.96	20	
Benzene	19.69	1.0	20	0	98.4	74 - 120	19.51	0.894	20	
Chlorobenzene	17.74	1.0	20	0	88.7	76 - 113	18.46	4.01	20	
Ethylbenzene	18	1.0	20	0	90.0	77 - 117	18.96	5.18	20	
Methylene chloride	22.55	2.0	20	0	113	70 - 127	21.22	6.06	20	
Toluene	18.69	1.0	20	0	93.4	77 - 118	19.51	4.29	20	
Xylenes, Total	51.97	3.0	60	0	86.6	75 - 122	53.43	2.77	20	
Surr: 1,2-Dichloroethane-d4	*55.69*	*1.0*	*50*	*0*	*111*	*70 - 123*	*54.72*	*1.76*	*20*	
Surr: 4-Bromofluorobenzene	*52.31*	*1.0*	*50*	*0*	*105*	*77 - 113*	*52.92*	*1.15*	*20*	
Surr: Dibromofluoromethane	*57.07*	*1.0*	*50*	*0*	*114*	*73 - 126*	*56.83*	*0.425*	*20*	
Surr: Toluene-d8	*54.46*	*1.0*	*50*	*0*	*109*	*81 - 120*	*54.68*	*0.389*	*20*	

MS Sample ID: **HS24090487-05MS** Units: **ug/L** Analysis Date: **12-Sep-2024 19:19**
Client ID: Run ID: **VOA7_476985** SeqNo: **8249356** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	18.36	1.0	20	0	91.8	70 - 127				
Benzene	21.64	1.0	20	0	108	70 - 127				
Chlorobenzene	19.16	1.0	20	0	95.8	70 - 114				
Ethylbenzene	19.71	1.0	20	0	98.6	70 - 124				
Methylene chloride	25.98	2.0	20	0	130	70 - 128				S
Toluene	20.63	1.0	20	0	103	70 - 123				
Xylenes, Total	56.15	3.0	60	0	93.6	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.6*	*1.0*	*50*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*53.31*	*1.0*	*50*	*0*	*107*	*77 - 113*				
Surr: Dibromofluoromethane	*60.33*	*1.0*	*50*	*0*	*121*	*77 - 123*				
Surr: Toluene-d8	*54.59*	*1.0*	*50*	*0*	*109*	*82 - 127*				

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R476985 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24090487-05MSD** Units: **ug/L** Analysis Date: **12-Sep-2024 19:42**
Client ID: Run ID: **VOA7_476985** SeqNo: **8249357** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	17.43	1.0	20	0	87.2	70 - 127	18.36	5.17	20	
Benzene	20.22	1.0	20	0	101	70 - 127	21.64	6.78	20	
Chlorobenzene	18.06	1.0	20	0	90.3	70 - 114	19.16	5.9	20	
Ethylbenzene	18.65	1.0	20	0	93.2	70 - 124	19.71	5.55	20	
Methylene chloride	24.87	2.0	20	0	124	70 - 128	25.98	4.38	20	
Toluene	20.1	1.0	20	0	100	70 - 123	20.63	2.6	20	
Xylenes, Total	54.14	3.0	60	0	90.2	70 - 130	56.15	3.65	20	
Surr: 1,2-Dichloroethane-d4	*57.58*	*1.0*	*50*	*0*	*115*	*70 - 126*	*56.6*	*1.72*	*20*	
Surr: 4-Bromofluorobenzene	*54.16*	*1.0*	*50*	*0*	*108*	*77 - 113*	*53.31*	*1.58*	*20*	
Surr: Dibromofluoromethane	*60.66*	*1.0*	*50*	*0*	*121*	*77 - 123*	*60.33*	*0.554*	*20*	
Surr: Toluene-d8	*55.35*	*1.0*	*50*	*0*	*111*	*82 - 127*	*54.59*	*1.38*	*20*	

The following samples were analyzed in this batch: HS24090328-02 HS24090328-05

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R477175 (1) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240912** Units: **ug/L** Analysis Date: **13-Sep-2024 04:59**
Client ID: Run ID: **VOA9_477175** SeqNo: **8251861** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*54.77*	*1.0*	*50*	*0*	*110*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.94*	*1.0*	*50*	*0*	*97.9*	*77 - 113*				
Surr: Dibromofluoromethane	*54.29*	*1.0*	*50*	*0*	*109*	*73 - 126*				
Surr: Toluene-d8	*48.47*	*1.0*	*50*	*0*	*96.9*	*81 - 120*				

LCS Sample ID: **VLCSW-240912** Units: **ug/L** Analysis Date: **13-Sep-2024 03:54**
Client ID: Run ID: **VOA9_477175** SeqNo: **8251859** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.26	1.0	20	0	91.3	70 - 124				
Benzene	16.19	1.0	20	0	81.0	74 - 120				
Chlorobenzene	16.34	1.0	20	0	81.7	76 - 113				
Ethylbenzene	16.66	1.0	20	0	83.3	77 - 117				
Methylene chloride	19.5	2.0	20	0	97.5	70 - 127				
Toluene	15.66	1.0	20	0	78.3	77 - 118				
Xylenes, Total	49.98	3.0	60	0	83.3	75 - 122				
Surr: 1,2-Dichloroethane-d4	*52.38*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.06*	*1.0*	*50*	*0*	*98.1*	*77 - 113*				
Surr: Dibromofluoromethane	*50.68*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*48.67*	*1.0*	*50*	*0*	*97.3*	*81 - 120*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R477175 (1) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLSCDW-240912** Units: **ug/L** Analysis Date: **13-Sep-2024 04:16**
Client ID: Run ID: **VOA9_477175** SeqNo: **8251860** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.84	1.0	20	0	94.2	70 - 124	18.26	3.14	20	
Benzene	16.06	1.0	20	0	80.3	74 - 120	16.19	0.802	20	
Chlorobenzene	16.82	1.0	20	0	84.1	76 - 113	16.34	2.9	20	
Ethylbenzene	17.13	1.0	20	0	85.7	77 - 117	16.66	2.78	20	
Methylene chloride	20.15	2.0	20	0	101	70 - 127	19.5	3.23	20	
Toluene	16.39	1.0	20	0	82.0	77 - 118	15.66	4.55	20	
Xylenes, Total	50.19	3.0	60	0	83.6	75 - 122	49.98	0.418	20	
Surr: 1,2-Dichloroethane-d4	*49.91*	*1.0*	*50*	*0*	*99.8*	*70 - 123*	*52.38*	*4.83*	*20*	
Surr: 4-Bromofluorobenzene	*50.38*	*1.0*	*50*	*0*	*101*	*77 - 113*	*49.06*	*2.66*	*20*	
Surr: Dibromofluoromethane	*47.86*	*1.0*	*50*	*0*	*95.7*	*73 - 126*	*50.68*	*5.73*	*20*	
Surr: Toluene-d8	*48.74*	*1.0*	*50*	*0*	*97.5*	*81 - 120*	*48.67*	*0.134*	*20*	

MS Sample ID: **HS24090446-01MS** Units: **ug/L** Analysis Date: **13-Sep-2024 13:03**
Client ID: Run ID: **VOA9_477175** SeqNo: **8251867** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.3	1.0	20	0	91.5	70 - 127				
Benzene	17.96	1.0	20	0	89.8	70 - 127				
Chlorobenzene	17.48	1.0	20	0	87.4	70 - 114				
Ethylbenzene	18.33	1.0	20	0	91.6	70 - 124				
Methylene chloride	20.48	2.0	20	0	102	70 - 128				
Toluene	17.46	1.0	20	0	87.3	70 - 123				
Xylenes, Total	55.11	3.0	60	0	91.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*46.2*	*1.0*	*50*	*0*	*92.4*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.18*	*1.0*	*50*	*0*	*98.4*	*77 - 113*				
Surr: Dibromofluoromethane	*47.11*	*1.0*	*50*	*0*	*94.2*	*77 - 123*				
Surr: Toluene-d8	*49.01*	*1.0*	*50*	*0*	*98.0*	*82 - 127*				

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: HS24090328

QC BATCH REPORT

Batch ID: R477175 (1) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24090446-01MSD** Units: **ug/L** Analysis Date: **13-Sep-2024 13:25**
Client ID: Run ID: **VOA9_477175** SeqNo: **8251868** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	18.53	1.0	20	0	92.7	70 - 127	18.3	1.26	20	
Benzene	17.71	1.0	20	0	88.5	70 - 127	17.96	1.4	20	
Chlorobenzene	17.6	1.0	20	0	88.0	70 - 114	17.48	0.707	20	
Ethylbenzene	17.95	1.0	20	0	89.7	70 - 124	18.33	2.1	20	
Methylene chloride	19.9	2.0	20	0	99.5	70 - 128	20.48	2.84	20	
Toluene	17.27	1.0	20	0	86.3	70 - 123	17.46	1.09	20	
Xylenes, Total	54.46	3.0	60	0	90.8	70 - 130	55.11	1.19	20	
Surr: 1,2-Dichloroethane-d4	*49.5*	*1.0*	*50*	*0*	*99.0*	*70 - 126*	*46.2*	*6.88*	*20*	
Surr: 4-Bromofluorobenzene	*50.88*	*1.0*	*50*	*0*	*102*	*77 - 113*	*49.18*	*3.4*	*20*	
Surr: Dibromofluoromethane	*49.2*	*1.0*	*50*	*0*	*98.4*	*77 - 123*	*47.11*	*4.32*	*20*	
Surr: Toluene-d8	*51.76*	*1.0*	*50*	*0*	*104*	*82 - 127*	*49.01*	*5.46*	*20*	

The following samples were analyzed in this batch: HS24090328-14 HS24090328-15 HS24090328-16

Revision: 1

Client: WSP Austin
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS24090328**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24090328 **Date/Time Received:** **07-Sep-2024 08:10**

Client Name: PBW **Received by:** **Michael Lucio**

Completed By: */S/ Michael Lucio* (eSignature) 07-Sep-2024 15:55 (Date/Time) **Reviewed by:** */S/ salina zaid* (eSignature) 12-Sep-2024 19:00 (Date/Time)

Matrices: **W** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:320562/320557
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):	2.7UC/2.7C	IR35	
Cooler(s)/Kit(s):	BLUE		
Date/Time sample(s) sent to storage:	09/07/2024 15:57		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 320562

RS240905Z8 IV

WSP Austin
Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Peterhurs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78745	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

Nb.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-MW62B-20240904	9/4/24	1320	W	1,2,8	6	X	X	X								
2	WG-1620-MW64A-20240904	9/4/24	1435	W			X	X	X								
3	WG-1620-FB08-20240904	9/4/24	1500				X	X	X								
4	WG-1620-MW80B-20240905	9/5/24	840				X	X	X								
5	WG-1620-MW51C-20240905	9/5/24	950				X	X	X								
6	WG-1620-MW25C-20240905	9/5/24	1140				X	X	X								
7	WG-1620-MW25A-20240905	9/5/24	1215				X	X	X								
8	WG-1620-MW26A-20240905	9/5/24	1405				X	X	X								
9	WG-1620-MW47C-20240905	9/5/24	1530				X	X	X								
10	WG-1620-MW50A-20240905	9/5/24	1425	W	1,2,8	6	X	X	X								

Sampler(s) Please Print & Sign: Leon Sprad

Shipment Method: Drop Off

Required Turnaround Time: (Check Box) ☒ STD 10 W. Days ☐ 5 W. Days ☐ 2 W. Days ☐ 24 Hour

Results Due Date:

Relinquished by: Date: 9/6/24 Time: 1824 Received by:

Relinquished by: Date: 9-7-24 Time: 6:10 Received by (Laboratory):

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-21

Cooler ID	Cooler Temp.
Blue	2.7
Black	1.2
Blue	1.5

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/RawData
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1R35

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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+1 616 399 6070

Chain of Custody Form

COC ID: 320557

HS240905328 WV

WSP Austin
Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	UPRR/Kevin Feterburs	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (8260 Volatile Organics (8))
Work Order		Project Number	1620-21-Rev0 SR 92683	B	8270_LOW_W (SemiVolatiles Select List (27))
Company Name	WSP Austin	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP Arsenic)
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	ematzner@ensolum.com	e-Mail Address	arthur.gibson@alsglobal.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-FB09-20240905	9/5/24	1545	W	1,2,8	6	X	X	X								
2	WG-1620-MW77A-20240906	9/6/24	850	|	|	|	X	X	X								
3	WG-1620-MW98B-20240906	9/6/24	945	|	|	|	X	X	X								
4	WG-1620-MW98A-20240906	9/6/24	1025	|	|	|	X	X	X								
5	WG-1620-MW66D-20240906	9/6/24	1535	|	|	|	X	X	X								
6	WG-1620-FB10-20240906	9/6/24	1630	W	1,2,8	6	X	X	X								
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Leon St Rose

Shipment Method: Dropoff

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date: 9/6/24	Time: 1824	Received by:	Notes: UPRR HWPW 1620-21	
Relinquished by:	Date: 9-7-24	Time: 8:10	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ATTACHMENT C

Mann-Kendall Trend Test Results

Table C-1
Mann-Kendall Results

Date Range		Location	Well	2-Methylnaphthalene	2,4-Dimethylphenol	Benzene	Dibenzofuran	Naphthalene	Comment
A-TZ Wells									
1/23/2018	8/5/2024	on-site	MW-03	NT	ND	ND	NT	PI	
1/23/2018	8/5/2024	on-site	MW-04	PD	ND	ND	S	NT	
7/12/2011	8/2/2024	on-site	MW-05	NT	NT	ND	PD	NT	
7/12/2011	8/5/2024	on-site	MW-09	NT	NT	ND	NT	NT	
1/22/2009	7/26/2024	on-site	MW-12A	D	PD	D	PD	D	
1/22/2009	7/29/2024	on-site	MW-13	NT	PI	ND	PD	NT	
1/22/2009	7/29/2024	on-site	MW-15A	NT	PD	D	D	NT	
1/22/2009	8/1/2024	on-site	MW-17	D	PD	PD	D	D	
1/22/2009	8/2/2024	on-site	MW-18A	D	D	S	D	D	
7/12/2011	7/29/2024	on-site	MW-20A	S	D	D	D	D	
1/22/2009	8/2/2024	on-site	MW-49A	D	D	D	D	D	
1/22/2009	9/5/2024	on-site	MW-50A	PD	NT	ND	D	D	
1/22/2009	7/25/2024	on-site	MW-51A	NT	ND	ND	NT	NT	
1/22/2009	8/1/2024	on-site	MW-57A	D	D	D	D	D	DNAPL Recovery Well
1/22/2009	8/2/2024	on-site	MW-58A	D	D	NT	D	D	
1/22/2009	9/4/2024	on-site	MW-64A	NT	ND	S	PD	PI	
7/2/2014	9/6/2024	on-site	MW-77A	PD	NT	S	D	D	
7/2/2014	7/30/2024	on-site	MW-78A	S	S	NT	PD	NT	DNAPL Recovery Well
8/28/2014	7/30/2024	on-site	MW-79A	D	D	D	D	D	
1/7/2020	7/29/2024	on-site	MW-88A	NT	NT	ND	NT	NT	
1/7/2020	7/24/2024	on-site	MW-97A	NT	ND	ND	NT	NT	
1/7/2020	9/6/2024	on-site	MW-98A	ND	PD	S	S	S	
1/23/2018	8/5/2024	off-site	MW-22AR	ND	ND	ND	NT	NT	
1/22/2009	9/5/2024	off-site	MW-25A	NT	ND	ND	D	NT	
1/22/2009	9/5/2024	off-site	MW-26A	D	NT	D	D	D	
1/23/2018	7/30/2024	off-site	MW-27A	NT	ND	ND	NT	NT	
1/22/2009	7/30/2024	off-site	MW-28A	NT	NT	ND	NT	NT	
1/30/2012	7/25/2024	off-site	MW-32AR	NT	D	D	D	NT	
1/22/2009	7/29/2024	off-site	MW-33A	D	D	D	D	D	
1/22/2009	7/24/2024	off-site	MW-35A	NT	NT	NT	PD	NT	
1/22/2009	7/31/2024	off-site	MW-36A	NT	ND	ND	NT	NT	
1/22/2009	8/5/2024	off-site	MW-38A	NT	ND	ND	NT	NT	
1/22/2009	8/1/2024	off-site	MW-44A	D	NT	D	D	D	
1/7/2020	7/31/2024	off-site	MW-47A	NT	PD	ND	ND	NT	
1/22/2009	7/31/2024	off-site	MW-59A	NT	NT	ND	NT	NT	
1/7/2020	7/30/2024	off-site	MW-60AR	NT	NT	ND	S	NT	
1/22/2009	7/31/2024	off-site	MW-61A	PD	ND	ND	ND	NT	
5/29/2019	7/29/2024	off-site	MW-68A	D	NT	NT	NT	NT	
6/22/2010	7/31/2024	off-site	MW-69A	NT	NT	NT	NT	NT	
1/7/2020	7/29/2024	off-site	MW-84A	NT	ND	ND	NT	NT	
1/7/2020	7/30/2024	off-site	MW-91A	NT	NT	ND	NT	NT	
1/7/2020	7/24/2024	off-site	MW-94A	ND	ND	ND	S	NT	
1/7/2020	8/5/2024	off-site	MW-95A	NT	NT	ND	NT	I	

Table C-1
Mann-Kendall Results

B-CZ/B-TZ Wells									
1/7/2020	8/2/2024	on-site	MW-12B	NT	NT	PD	PD	NT	DNAPL Recovery Well
1/22/2009	7/26/2024	on-site	MW-14	D	NT	ND	D	D	
1/30/2012	7/29/2024	on-site	MW-15B	NT	ND	D	D	D	
1/22/2009	7/26/2024	on-site	MW-39B	NT	ND	ND	NT	NT	
1/22/2009	7/26/2024	on-site	MW-40B	D	D	D	D	D	
1/7/2020	8/2/2024	on-site	MW-41B	NT	PD	NT	NT	NT	DNAPL Recovery Well
1/13/2010	7/29/2024	on-site	MW-42B	D	NT	ND	D	NT	
1/22/2009	7/24/2023	on-site	MW-49B	I	I	I	I	I	DNAPL Recovery Well
1/7/2020	7/25/2024	on-site	MW-50B	PD	ND	NT	D	NT	
1/30/2012	8/1/2024	on-site	MW-57B	D	D	S	D	D	DNAPL Recovery Well
1/22/2009	9/4/2024	on-site	MW-62B	NT	NT	NT	NT	NT	
1/30/2012	7/30/2024	on-site	MW-74B	NT	D	D	NT	D	DNAPL Recovery Well
1/30/2012	7/25/2024	on-site	MW-75B	NT	NT	D	NT	NT	DNAPL Recovery Well
1/7/2020	7/24/2024	on-site	MW-76B	NT	S	ND	S	D	
8/28/2014	9/5/2024	on-site	MW-80B	PD	NT	PD	NT	NT	
7/2/2014	7/25/2024	on-site	MW-81B	I	NT	S	PI	NT	
1/7/2020	1/17/2024 (Benzene), 7/29/2024	on-site	MW-88B	NT	ND	ND	NT	NT	
1/7/2020	9/6/2024	on-site	MW-98B	S	NT	ND	S	NT	
1/22/2009	8/2/2024	on-site	P-11	PI	ND	S	NT	NT	
1/13/2010	8/2/2024	on-site	TW-41B	I	NT	I	I	I	
1/23/2018	8/5/2024	off-site	MW-22BR	PD	NT	ND	PD	NT	
1/30/2012	7/26/2024	off-site	MW-32B	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/9/2013	7/29/2024	off-site	MW-33BR	NT	I	S	NT	NT	
1/22/2009	7/24/2024	off-site	MW-35B	D	NT	NT	D	D	
6/22/2010	7/31/2024	off-site	MW-36B	NT	NT	D	NT	NT	
1/22/2009	8/5/2024	off-site	MW-38B	NT	NT	PI	PI	NT	
1/7/2020	7/31/2024	off-site	MW-54B	PD	ND	PD	PD	NT	
6/22/2010	7/31/2024	off-site	MW-59B	ND	NT	S	ND	S	
1/7/2020	7/30/2024	off-site	MW-60B	NT	ND	ND	NT	NT	
1/7/2020	7/31/2024	off-site	MW-61B	PI	ND	ND	PI	PI	
1/13/2010	7/29/2024	off-site	MW-63B	NT	NT	I	NT	PI	
6/22/2010	7/30/2024	off-site	MW-67B	NT	NT	ND	NT	NT	
1/30/2012	7/29/2024	off-site	MW-68B	D	D	D	D	D	DNAPL Recovery Well
7/10/2012	7/29/2024	off-site	MW-70B	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/30/2012	7/29/2024	off-site	MW-71B	D	NT	NT	NT	NT	
7/10/2012	8/1/2024	off-site	MW-72B	D	D	D	D	D	
1/23/2018	7/24/2024	off-site	MW-82B	S	ND	ND	NT	NT	
1/23/2018	7/24/2024	off-site	MW-83B	D	NT	D	D	D	
1/23/2018	7/26/2024	off-site	MW-84B	D	D	D	D	D	
7/18/2018	7/26/2024	off-site	MW-89B	NT	ND	ND	PI	NT	
7/18/2018	1/22/2024	off-site	MW-90B	NT	NT	ND	NT	NT	
1/7/2020	7/24/2024	off-site	MW-92B	NT	ND	ND	NT	NT	
1/7/2020	7/24/2024	off-site	MW-93B	ND	ND	ND	PD	NT	
1/7/2020	8/5/2024	off-site	MW-96B	PI	NT	ND	PI	I	

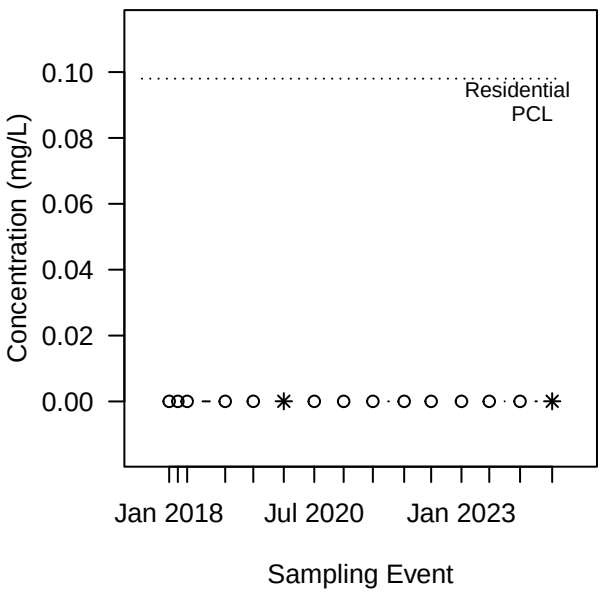
Table C-1
Mann-Kendall Results

C-TZ Wells									
1/22/2009	7/26/2024	on-site	MW-12C	S	NT	ND	NT	S	
1/22/2009	7/29/2024	on-site	MW-15C	NT	NT	D	D	NT	
1/22/2009	8/1/2024	on-site	MW-17C	D	NT	D	D	D	
1/22/2009	8/2/2024	on-site	MW-18C	D	NT	D	D	D	
1/22/2009	8/1/2024	on-site	MW-19C	PD	NT	NT	I	NT	
1/22/2009	8/5/2024	on-site	MW-21C	NT	NT	ND	NT	NT	
1/22/2009	8/2/2024	on-site	MW-23C	D	I	NT	D	D	DNAPL Recovery Well
1/22/2009	9/5/2024	on-site	MW-47C	NT	NT	ND	NT	NT	
7/2/2014	9/5/2024	on-site	MW-51C	ND	NT	PD	NT	D	
7/2/2014	7/24/2024	on-site	MW-76C	D	NT	D	D	D	
1/23/2018	1/30/2024	on-site	MW-85C	PD	NT	D	NT	NT	
1/23/2018	7/29/2024	on-site	MW-88C	NT	ND	ND	S	PD	
1/13/2010	9/5/2024	off-site	MW-25C	D	NT	D	D	D	
1/22/2009	1/24/2024	off-site	MW-27C	NT	ND	ND	NT	D	
1/22/2009	7/30/2024	off-site	MW-28C	D	PD	ND	S	PD	
7/2/2014	8/1/2024	off-site	MW-34CR	NT	NT	NT	PI	NT	
7/12/2011	8/1/2024	off-site	MW-44C	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/7/2020	8/1/2024	off-site	MW-45C	I	I	NT	PI	NT	DNAPL Recovery Well
1/7/2020	8/1/2024	off-site	MW-46C	PD	NT	PD	D	NT	DNAPL Recovery Well
1/22/2009	7/31/2024	off-site	MW-48C	PD	NT	ND	D	NT	
1/22/2009	7/30/2024	off-site	MW-53C	NT	PI	ND	I	NT	
1/22/2009	7/31/2024	off-site	MW-54C	D	NT	ND	D	D	
6/22/2010	7/26/2024	off-site	MW-68C	NT	NT	D	NT	D	
1/7/2020	7/29/2024	off-site	MW-70C	NT	NT	PD	NT	NT	
1/23/2018	7/24/2024	off-site	MW-83C	D	NT	ND	D	D	
1/23/2018	8/2/2024	off-site	MW-86C	NT	S	ND	I	NT	
1/23/2018	7/30/2024	off-site	MW-87C	D	PI	ND	D	NT	
1/7/2020	7/31/2024	off-site	MW-99C	D	ND	ND	ND	NT	
D-TZ Wells									
6/22/2010	8/5/2024 (Benzene), 8/6/2024	off-site	MW-36D	NT	ND	PD	NT	NT	
1/22/2009	2/6/2024	off-site	MW-59D	D	ND	S	PD	NT	
1/22/2009	2/6/2024	off-site	MW-65D	S	ND	S	S	NT	
1/22/2009	9/6/2024	off-site	MW-66D	PD	ND	ND	NT	NT	

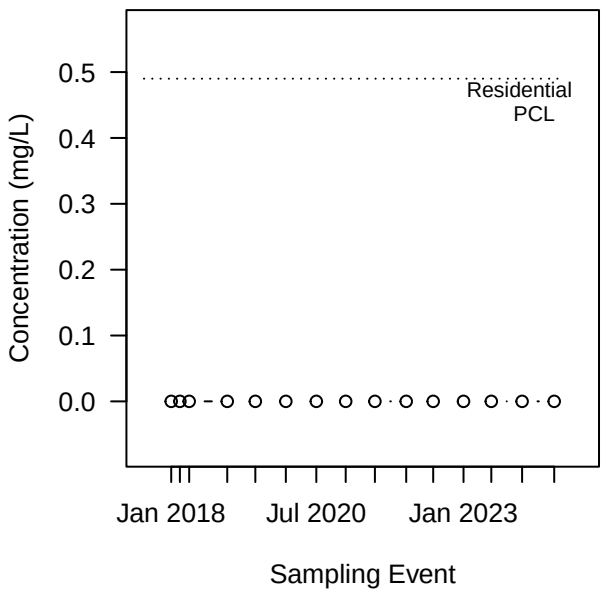
Notes:
Gray - concentrations in wells were below the Residential Assessment Level (RAL) for at least the last 4 years.
NT - No trend
ND - all Non-detects
D - Decreasing (green)
PD - Probably decreasing (yellow)
S - Stable (blue)
PI - Probably increasing (pink)
I - Increasing (red)

Mann−Kendall Trend Tests for MW−03

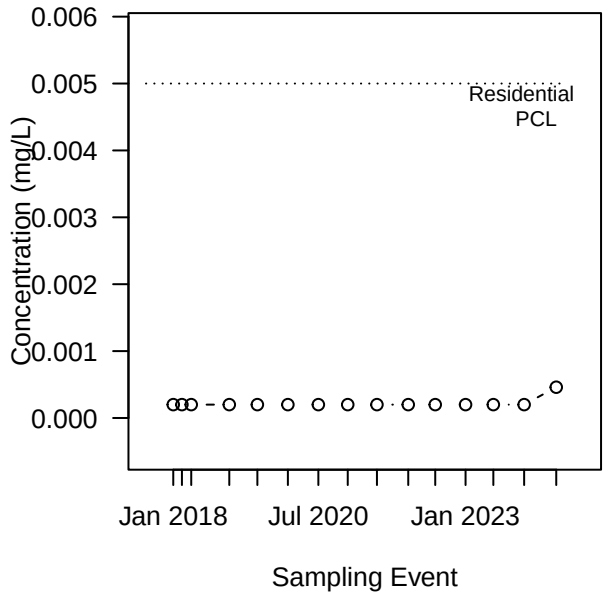
2−Methylnaphthalene (Det/N = 2/15)
No Trend
(p−value=0.199 and CV=0.42)



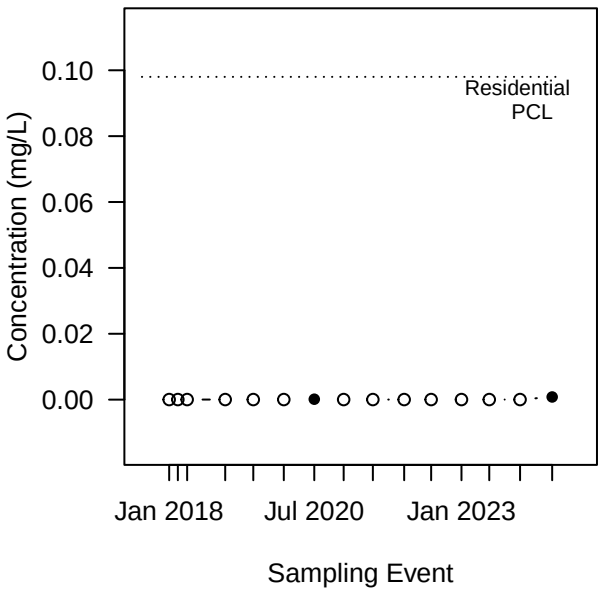
2,4−Dimethylphenol (Det/N = 0/15)
Not evaluated (all concentrations are identical)



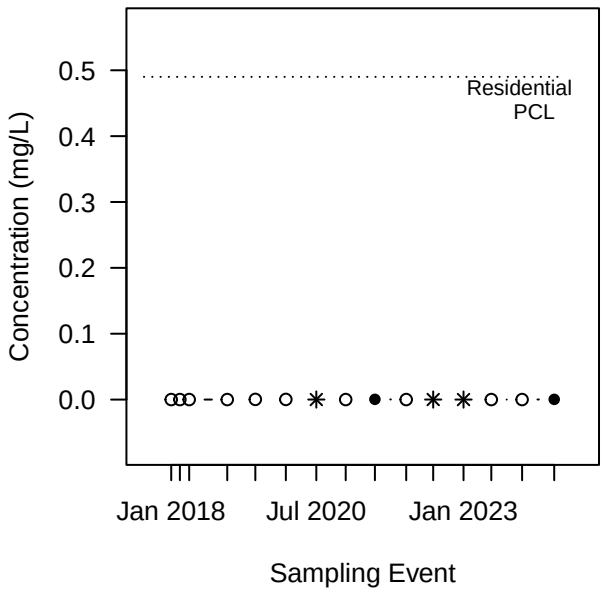
Benzene (Det/N = 0/15)
Not evaluated − All NDs



Dibenzofuran (Det/N = 2/15)
No Trend
(p−value=0.155 and CV=2.5)



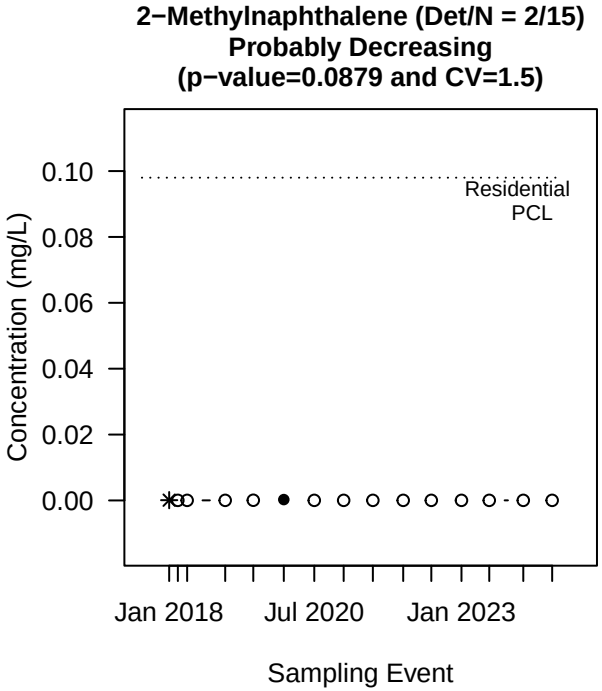
Naphthalene (Det/N = 5/15)
Probably Increasing
(p−value=0.0687 and CV=1.2)

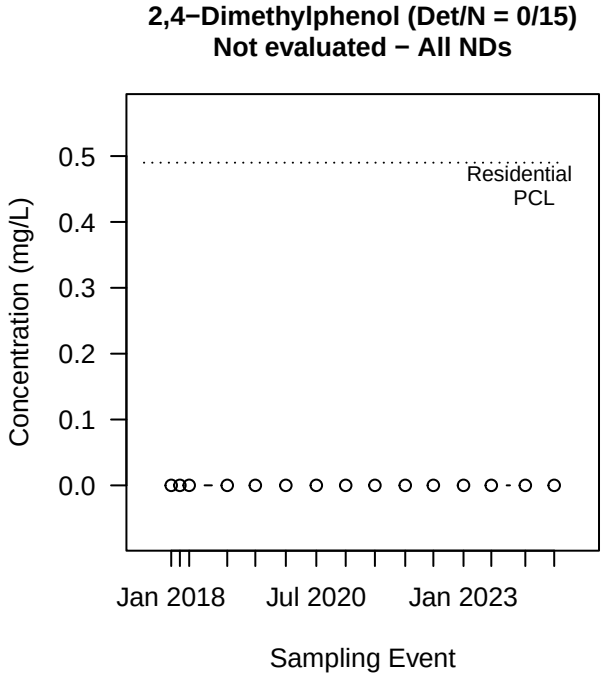


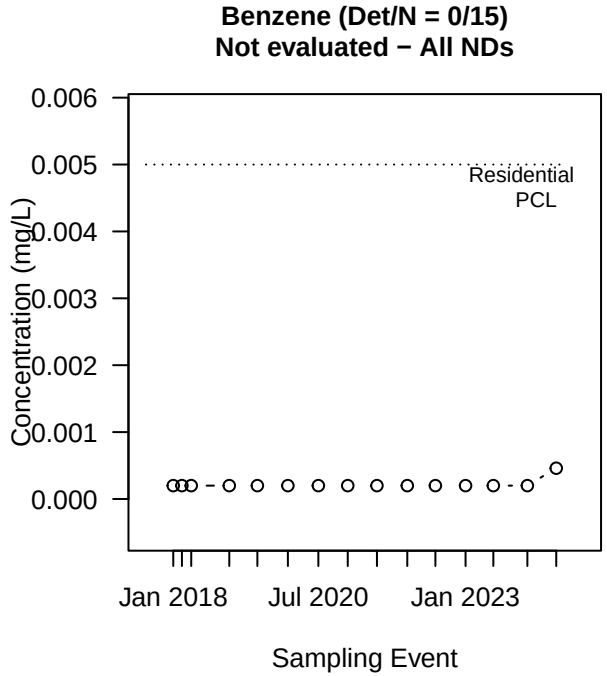
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

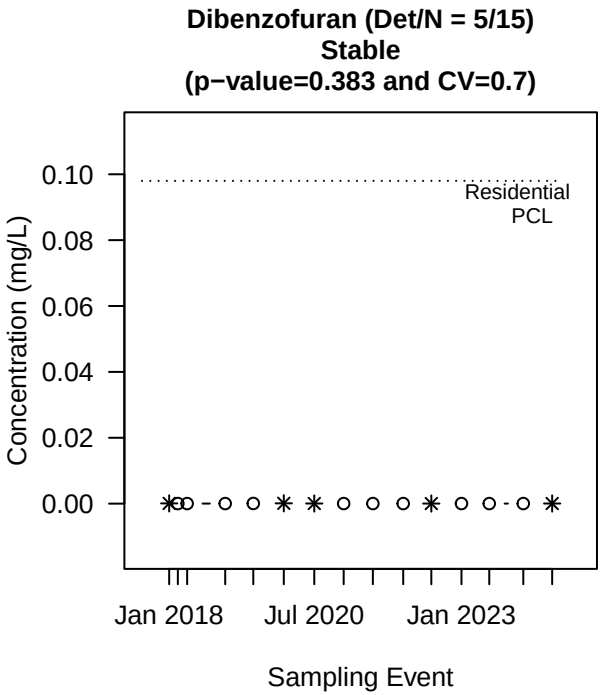
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

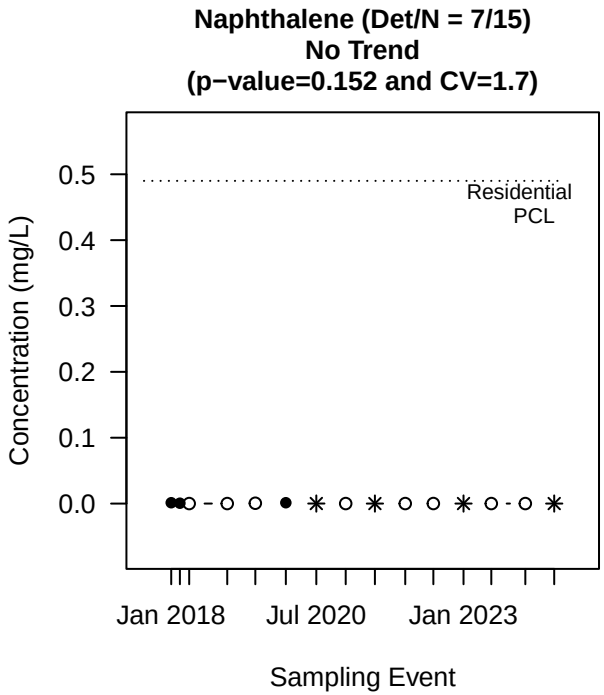
Mann−Kendall Trend Tests for MW−04







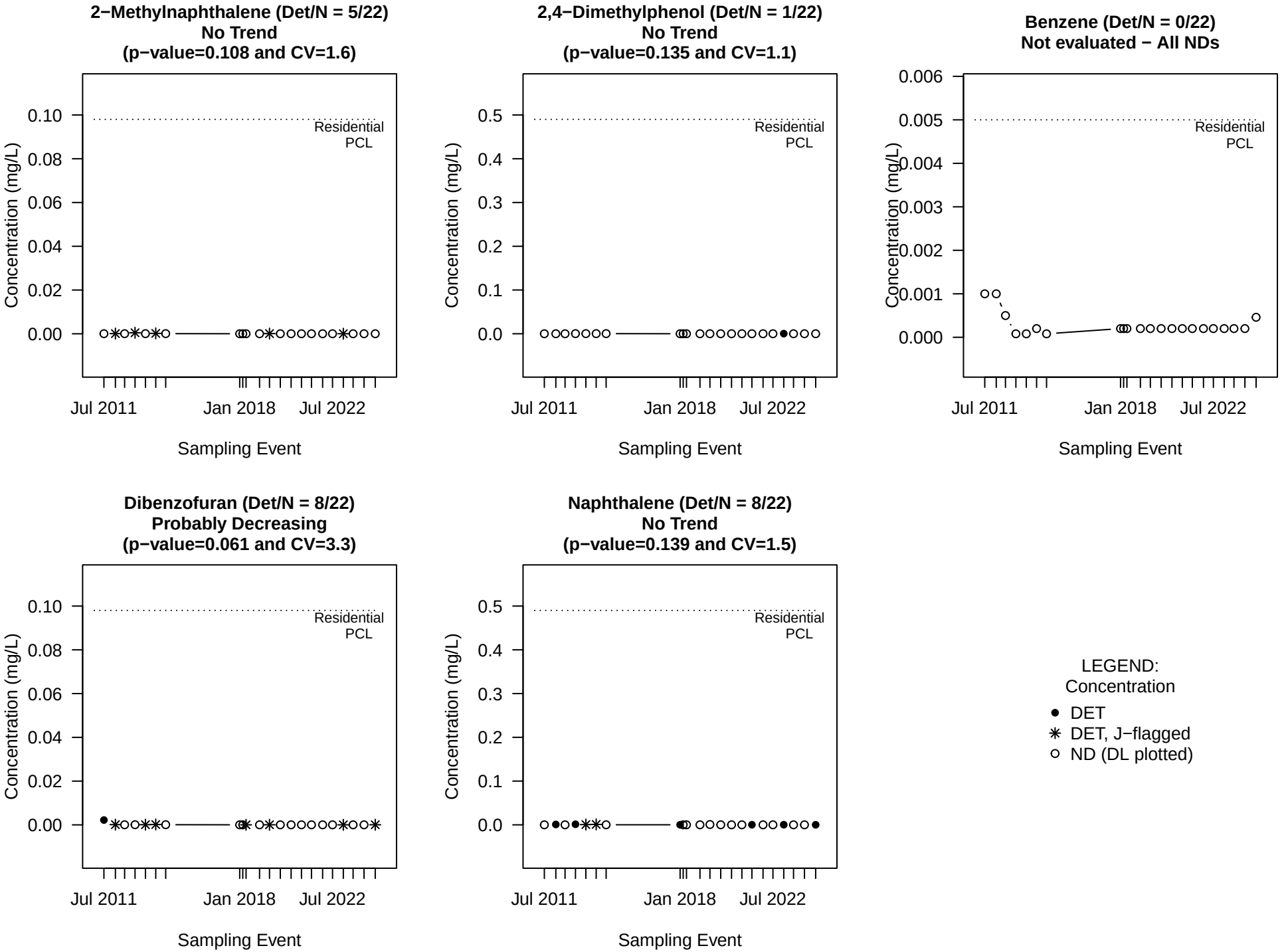




LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

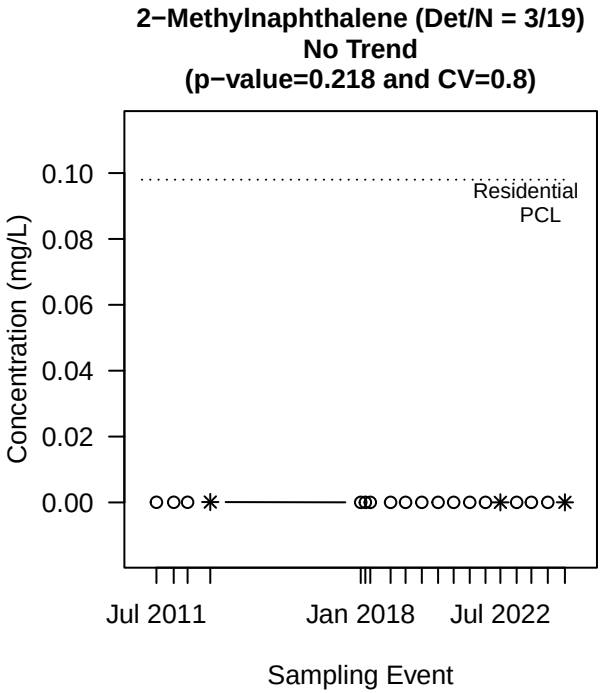
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

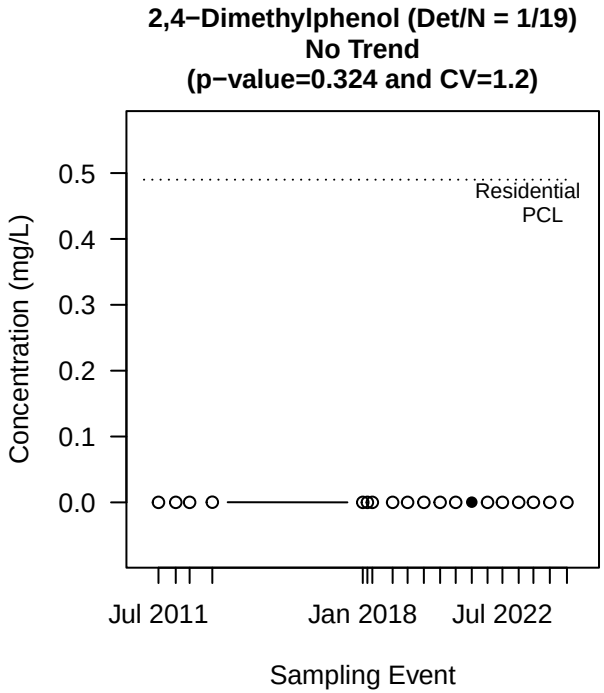
Mann−Kendall Trend Tests for MW−05

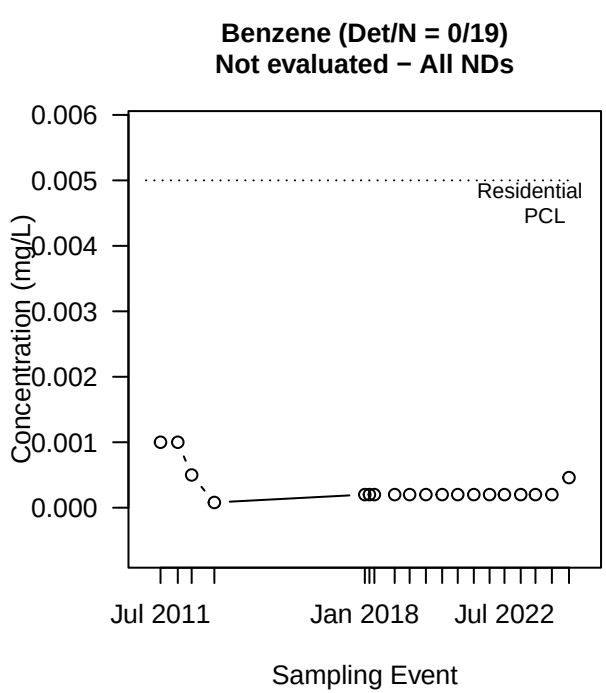


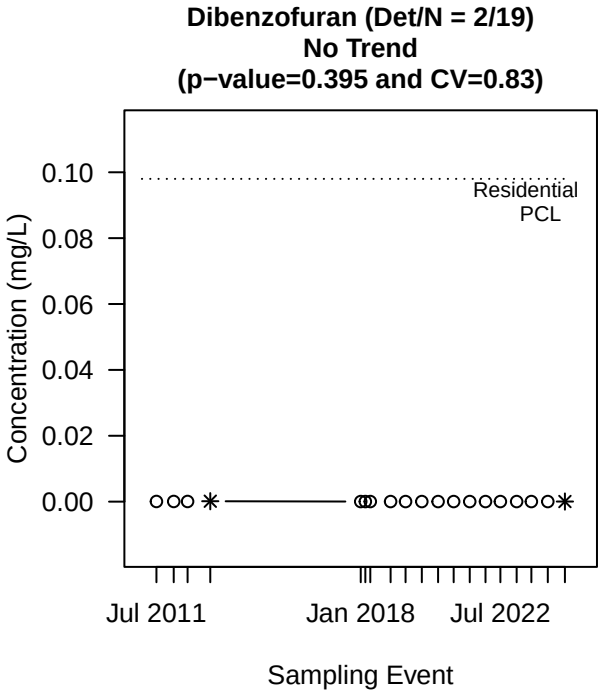
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

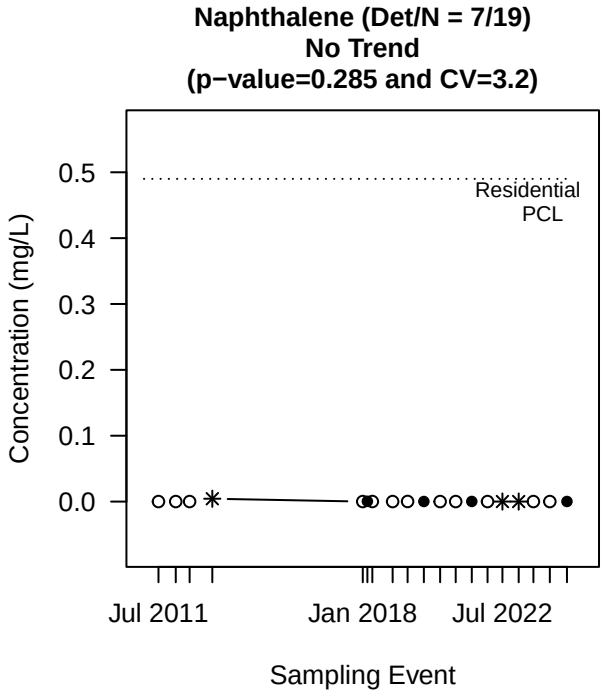
Mann−Kendall Trend Tests for MW−09

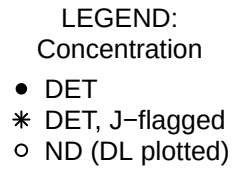






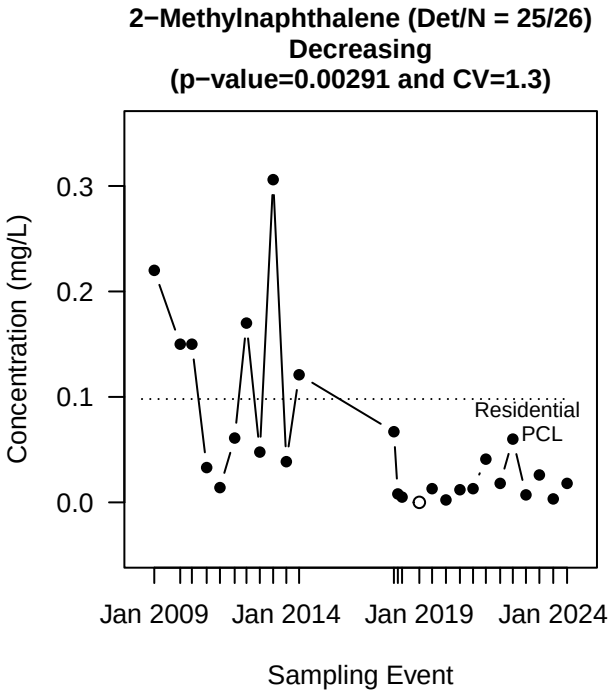


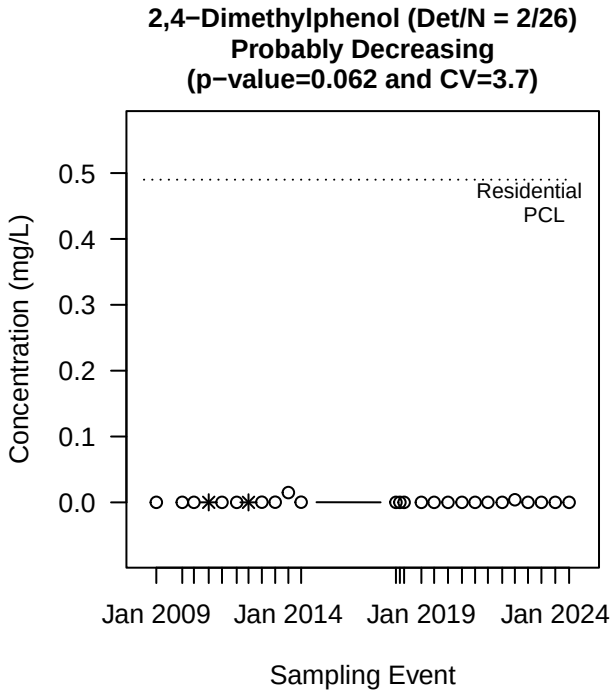


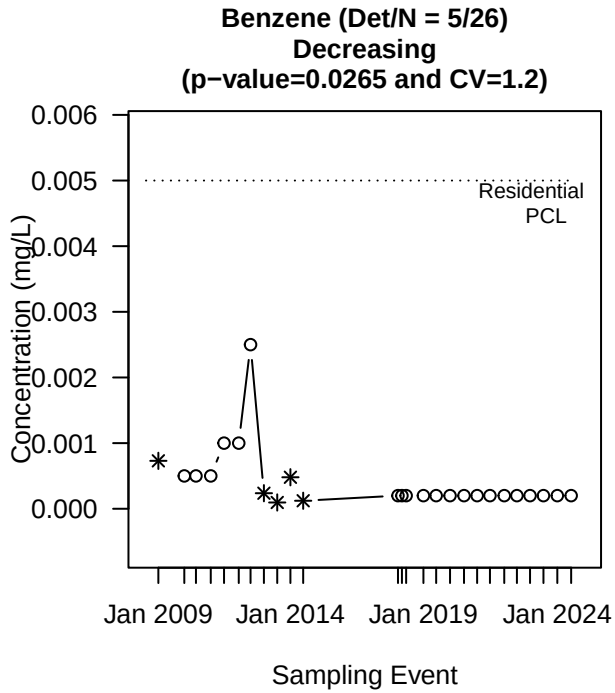


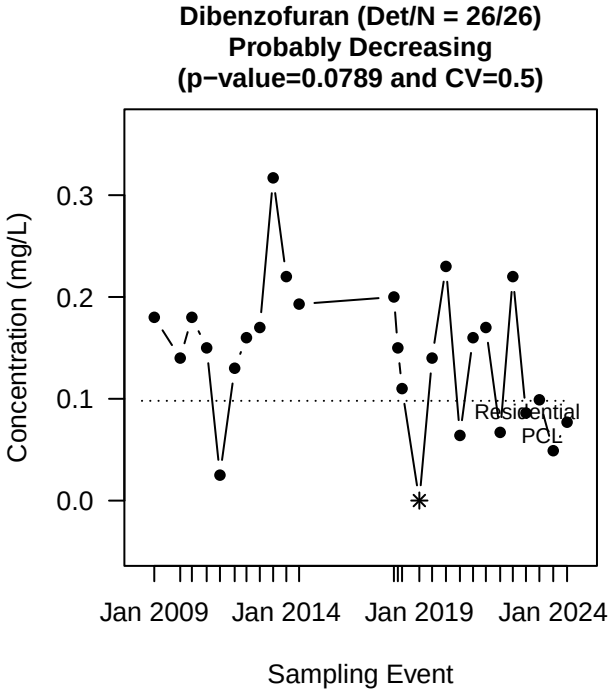
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

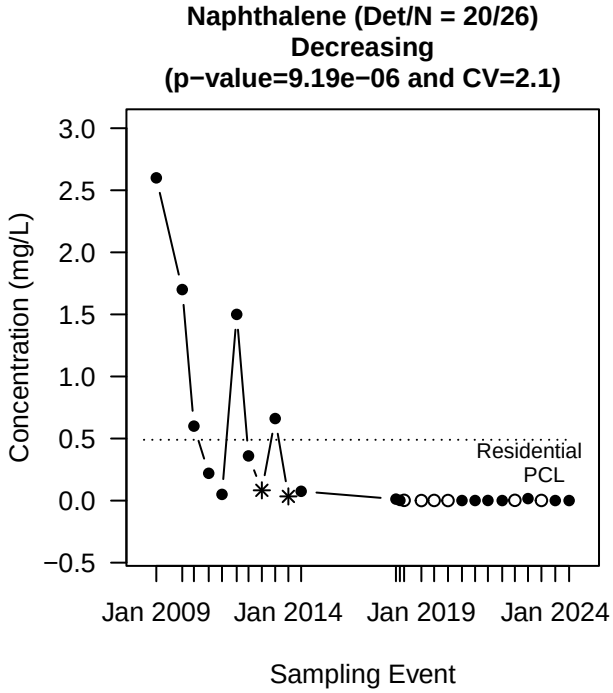
Mann−Kendall Trend Tests for MW−12A

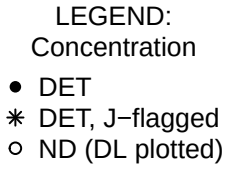






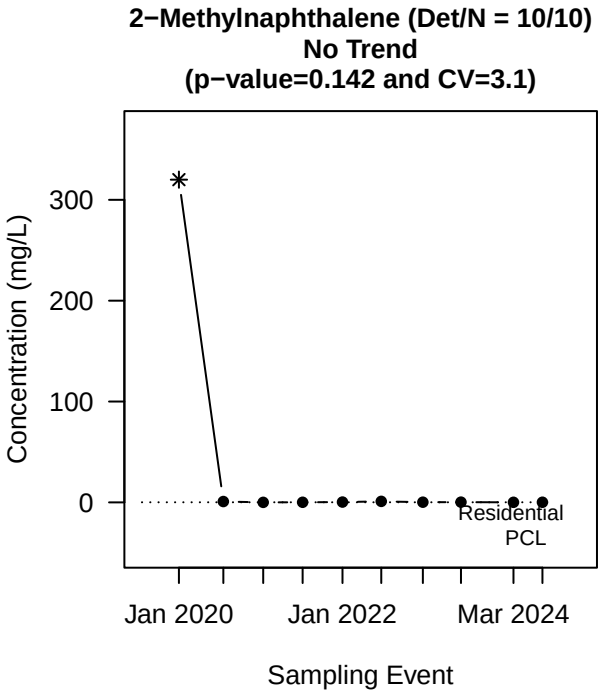


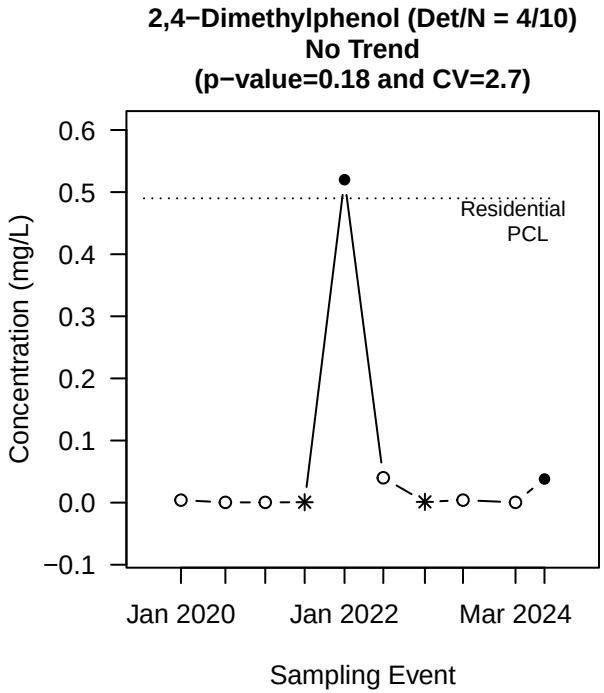


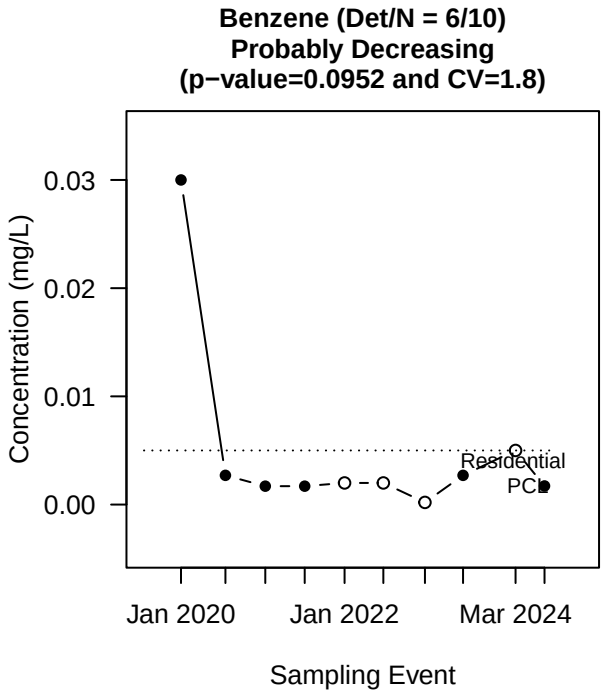


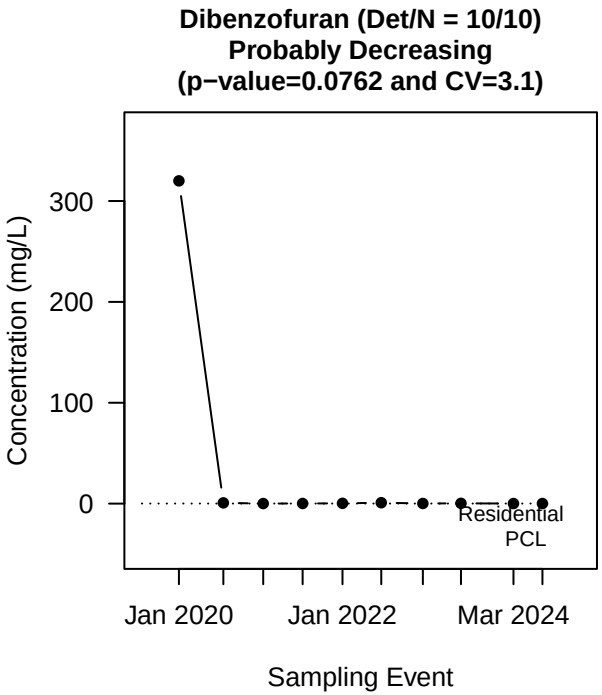
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

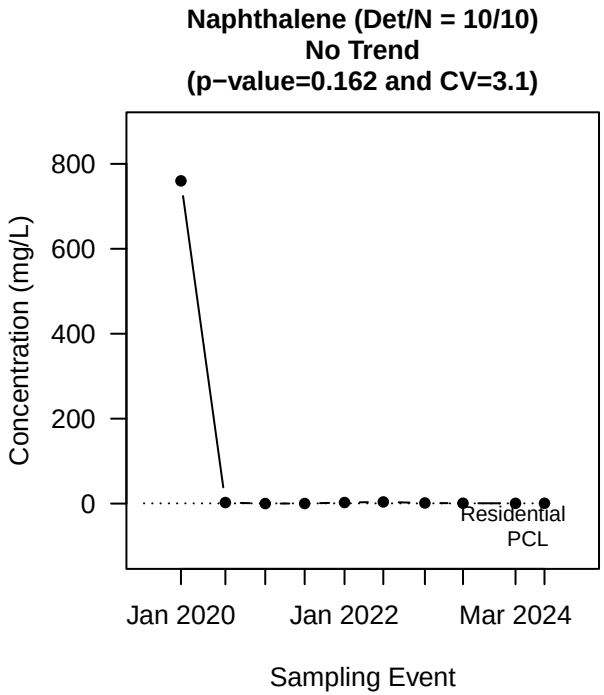
Mann−Kendall Trend Tests for MW−12B









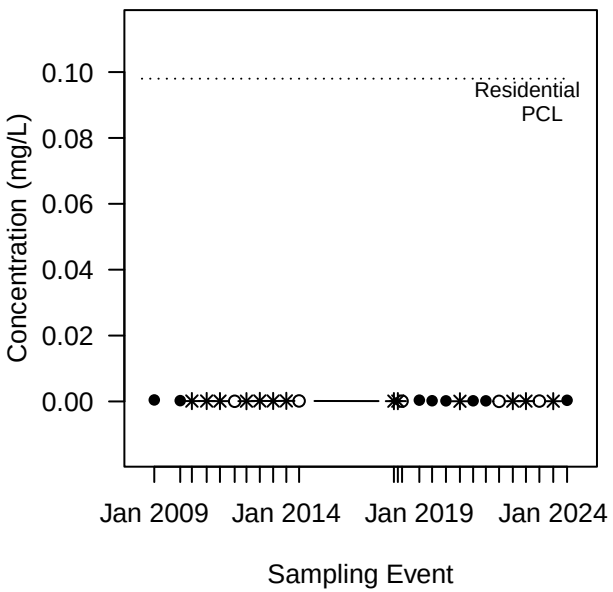


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

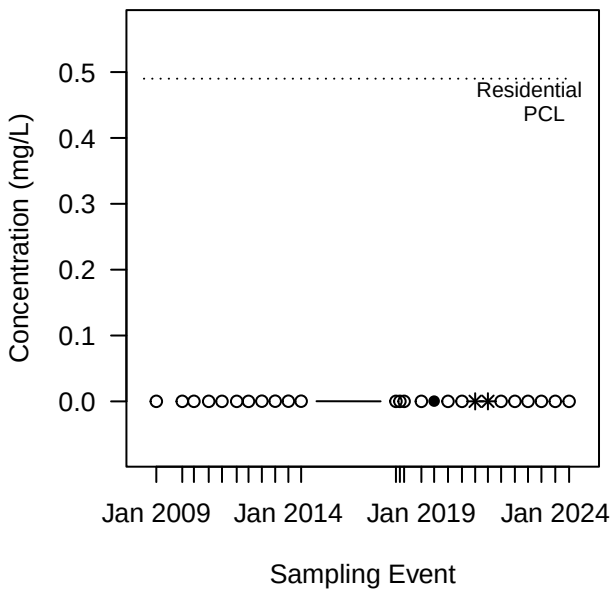
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−12C

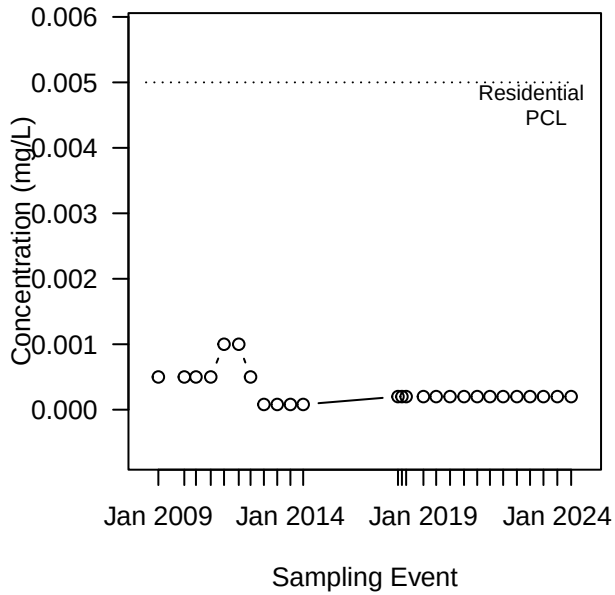
2−Methylnaphthalene (Det/N = 21/26)
Stable
(p−value=0.182 and CV=0.7)



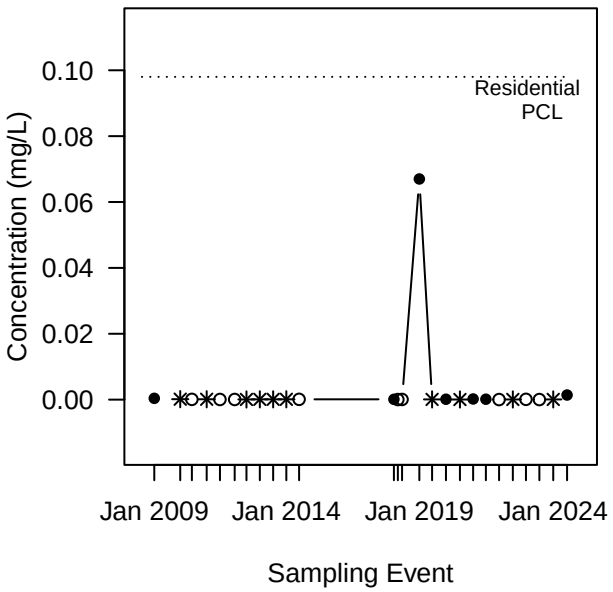
2,4−Dimethylphenol (Det/N = 3/26)
No Trend
(p−value=0.14 and CV=1.1)



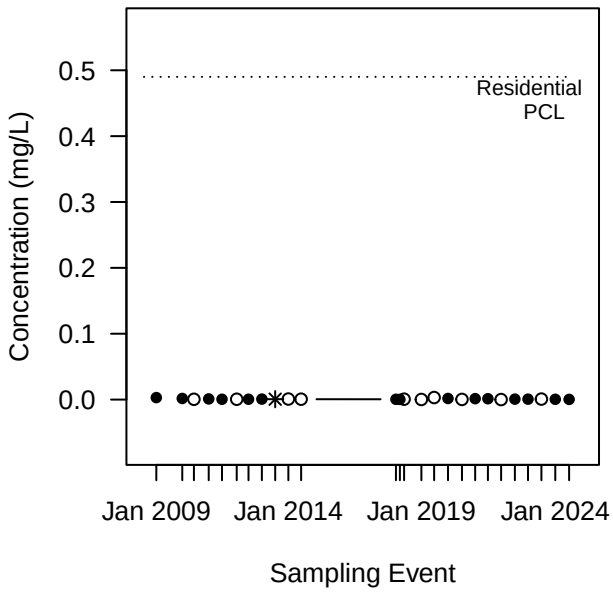
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 17/26)
No Trend
(p−value=0.446 and CV=4.8)



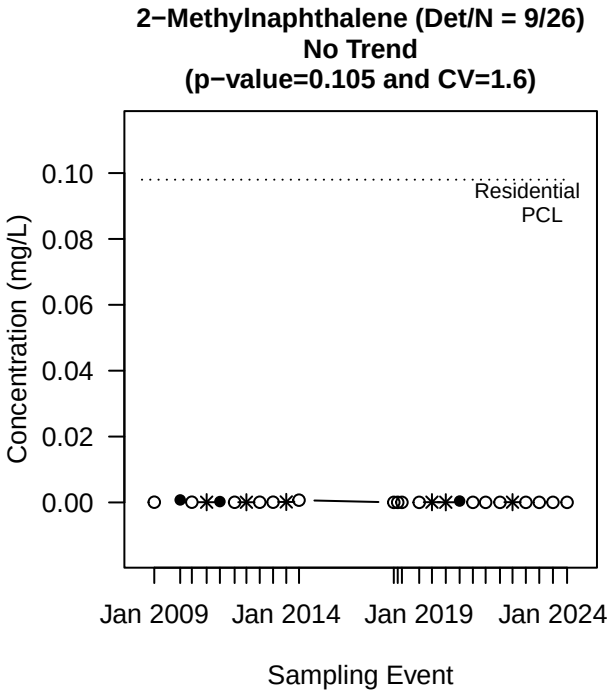
Naphthalene (Det/N = 16/26)
Stable
(p−value=0.128 and CV=0.89)

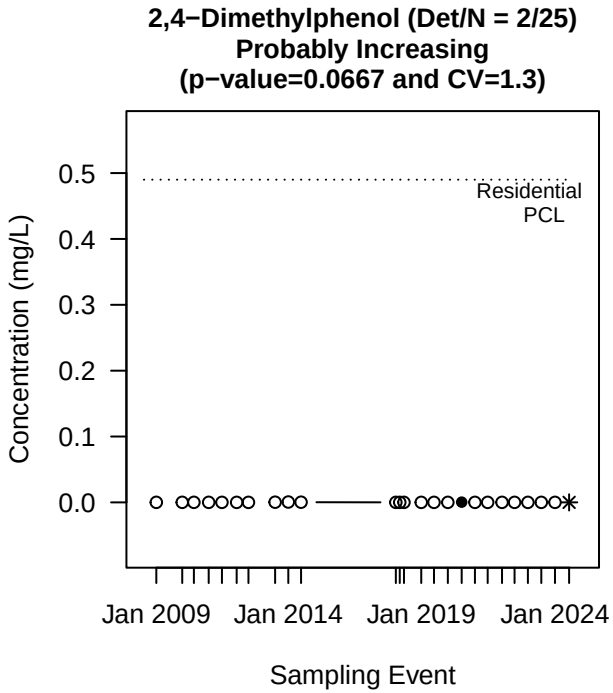


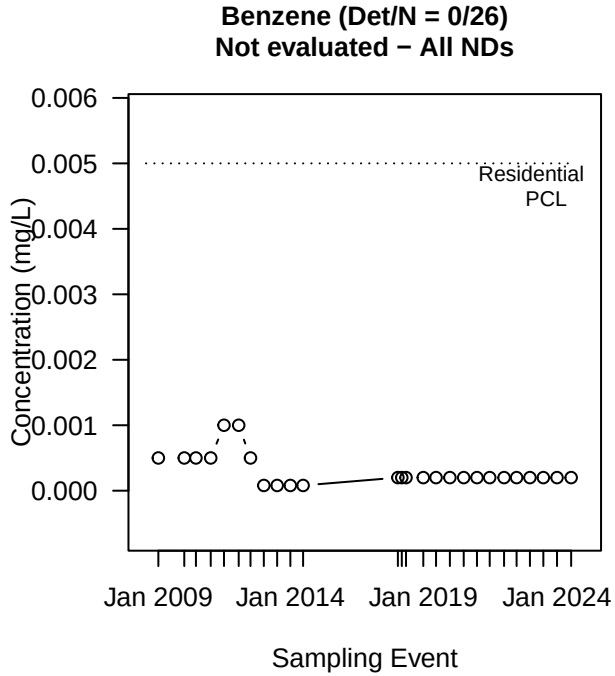
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

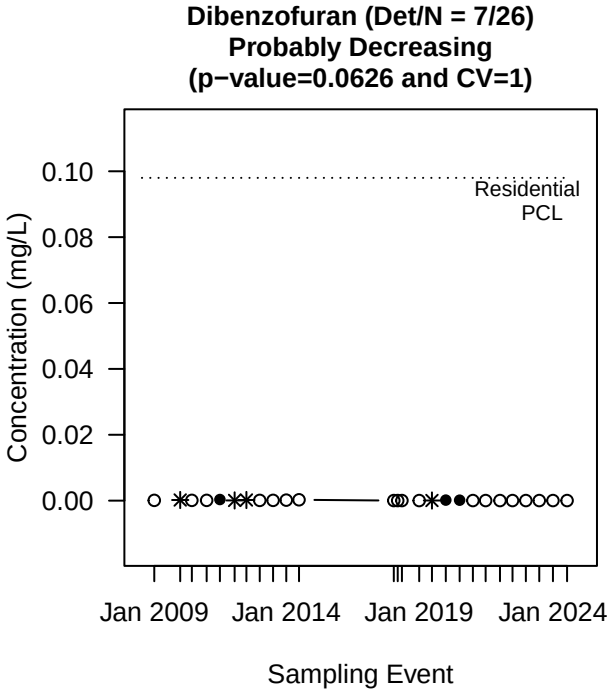
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

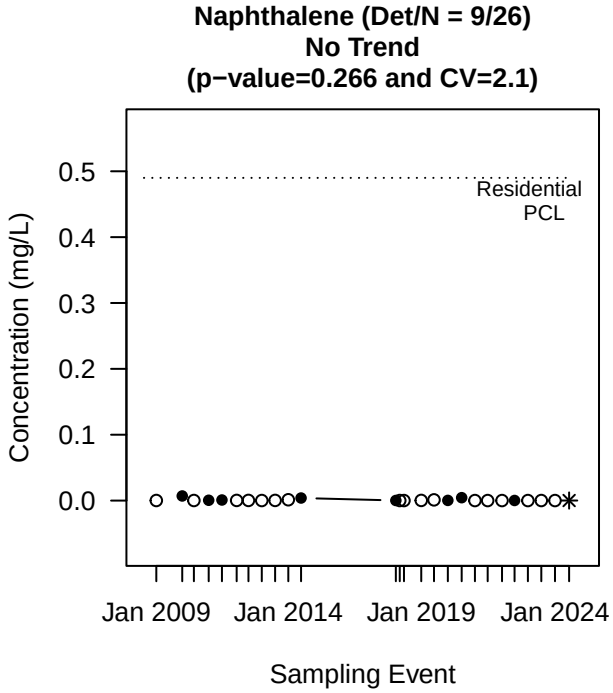
Mann−Kendall Trend Tests for MW−13

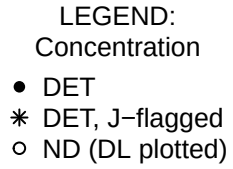






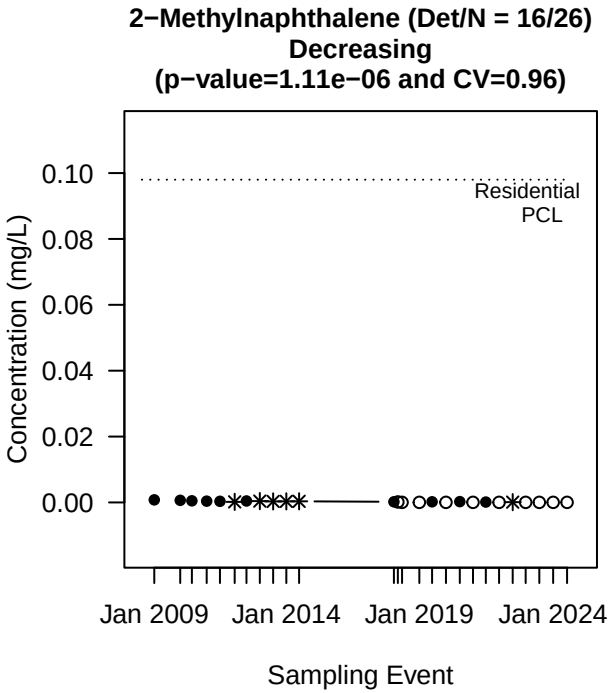


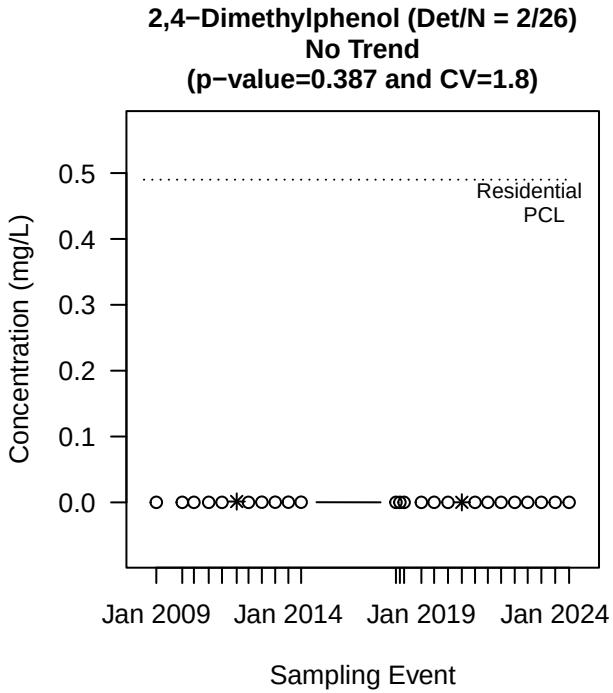


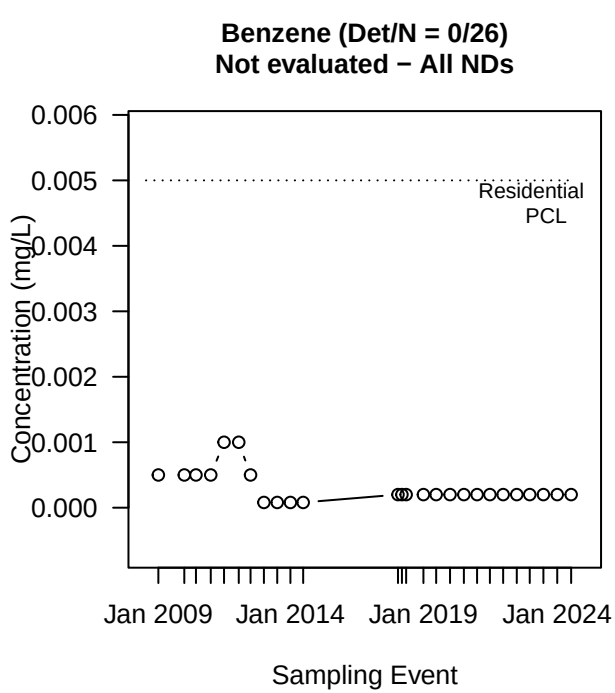


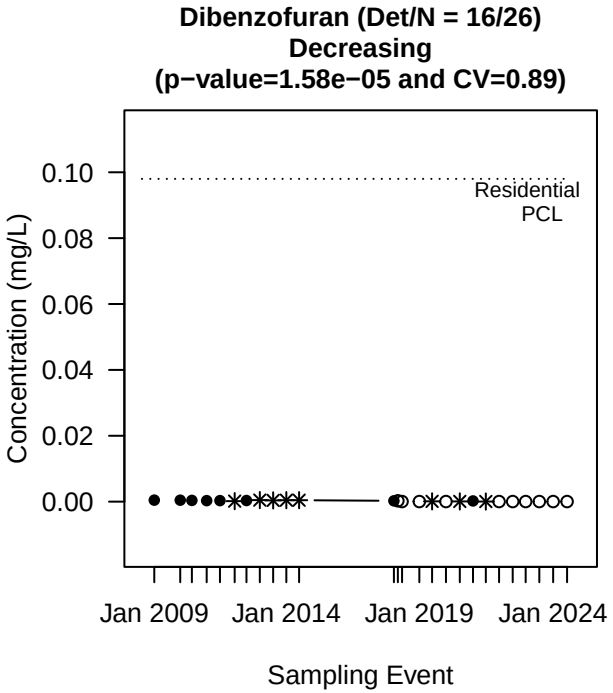
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

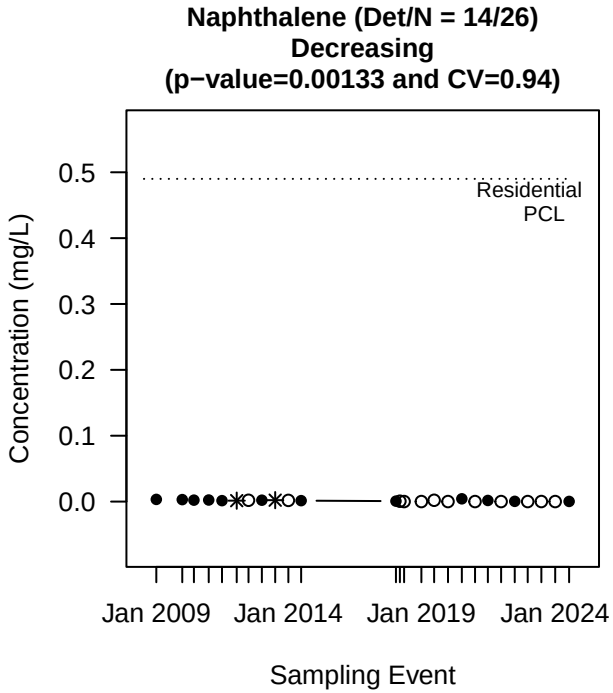
Mann−Kendall Trend Tests for MW−14

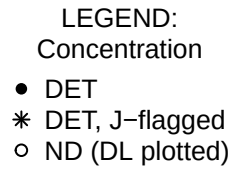








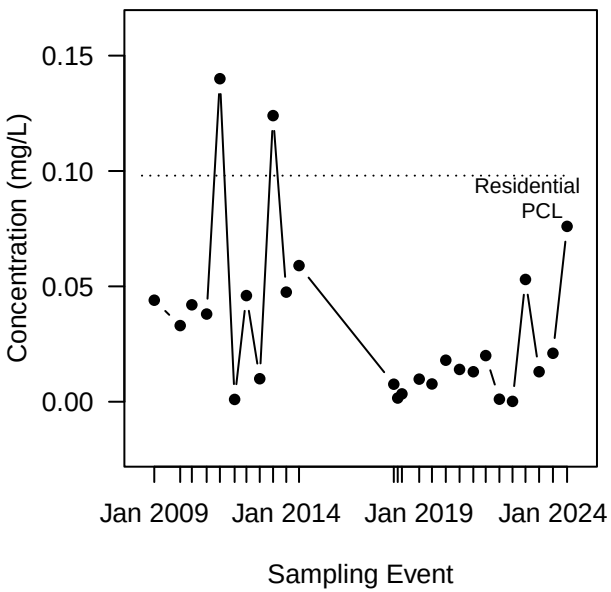




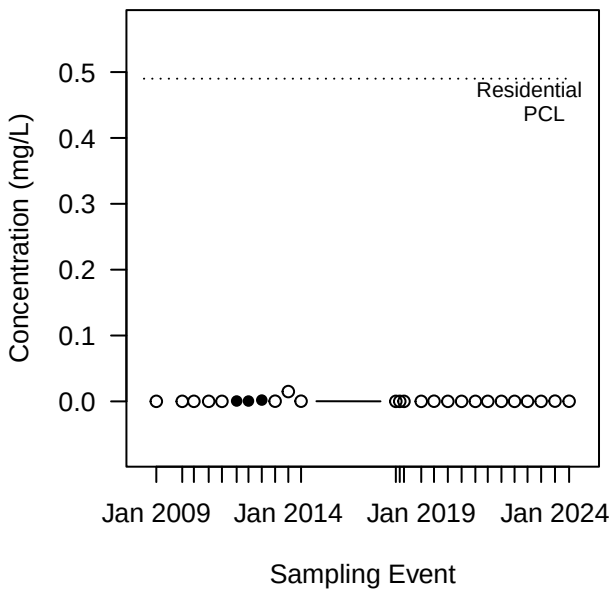
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−15A

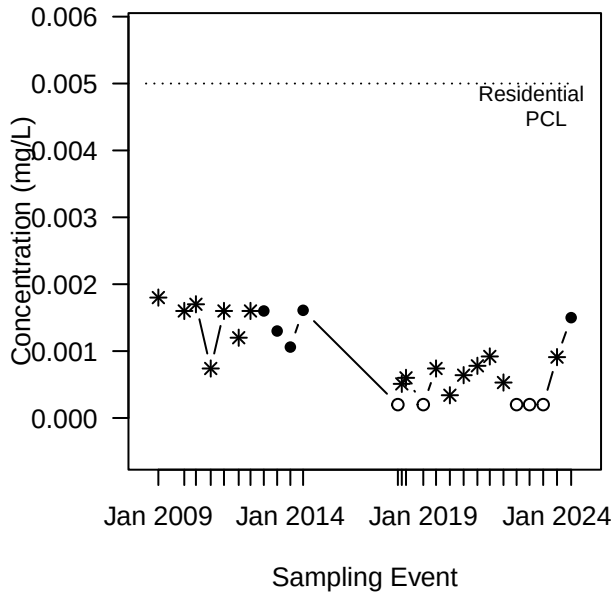
2−Methylnaphthalene (Det/N = 26/26)
No Trend
(p−value=0.207 and CV=1.1)



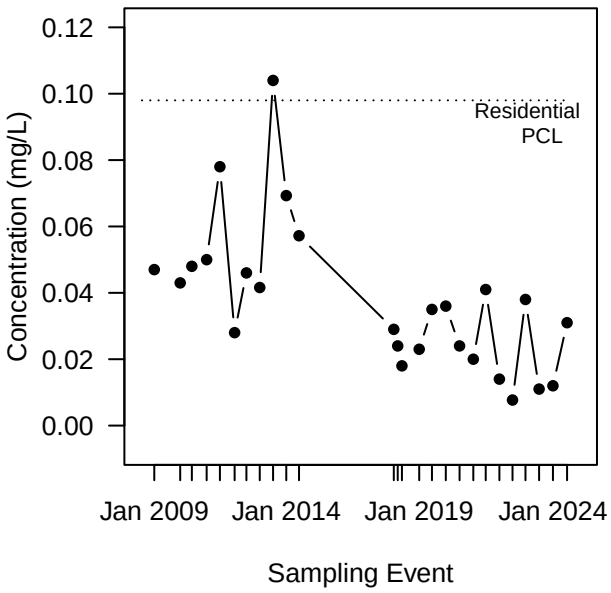
2,4−Dimethylphenol (Det/N = 3/26)
Probably Decreasing
(p−value=0.0694 and CV=3.7)



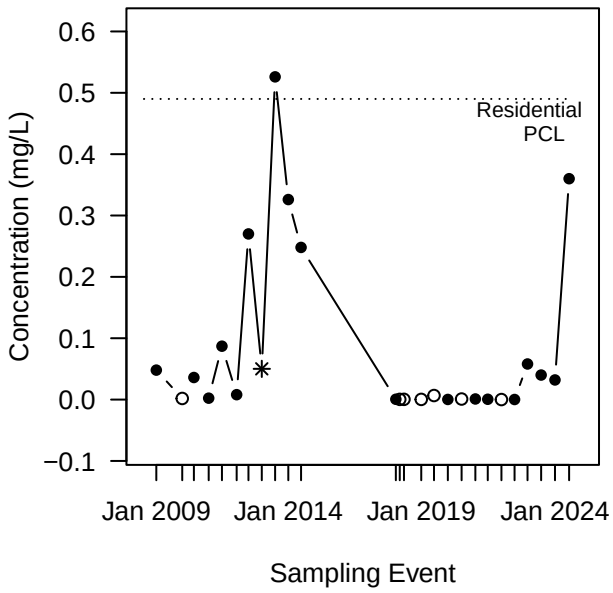
Benzene (Det/N = 21/26)
Decreasing
(p−value=0.00102 and CV=0.6)



Dibenzofuran (Det/N = 26/26)
Decreasing
(p−value=0.000316 and CV=0.59)



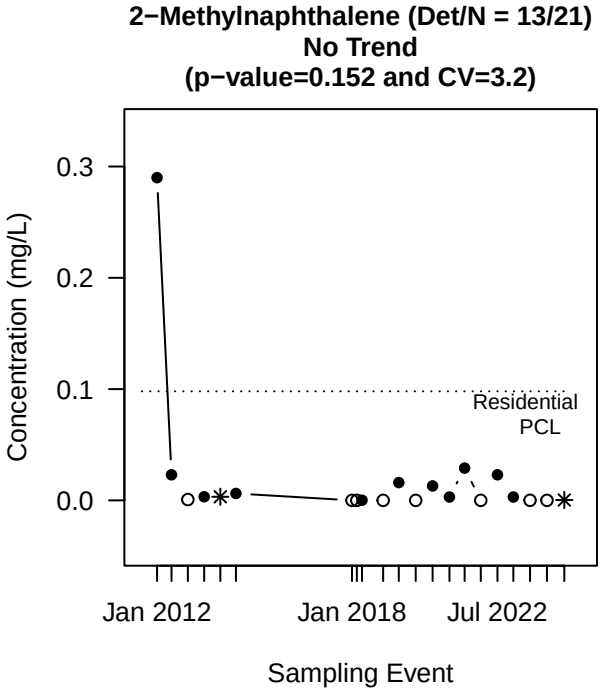
Naphthalene (Det/N = 19/26)
No Trend
(p−value=0.32 and CV=1.7)

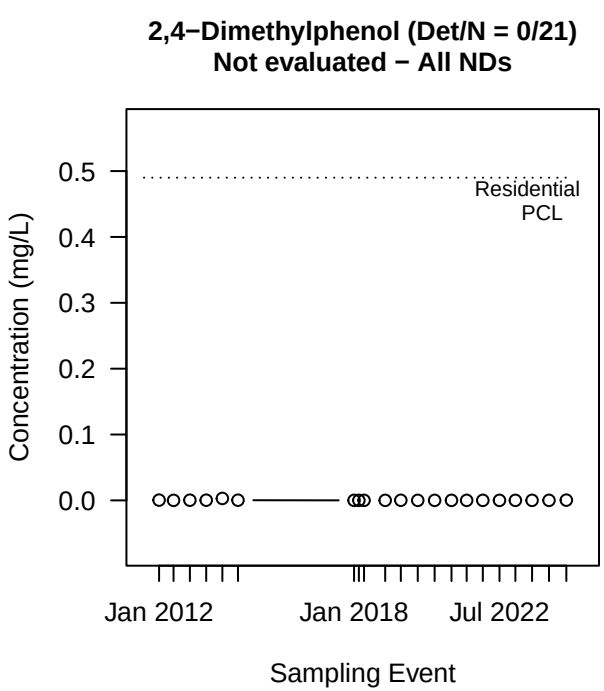


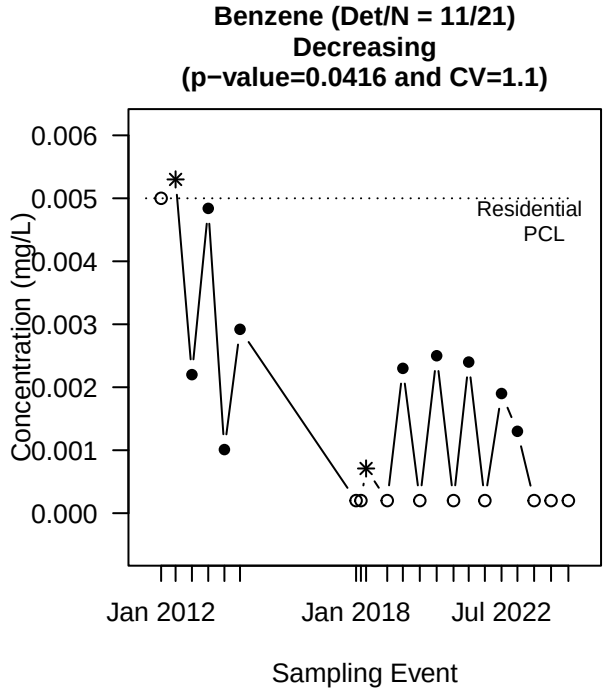
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

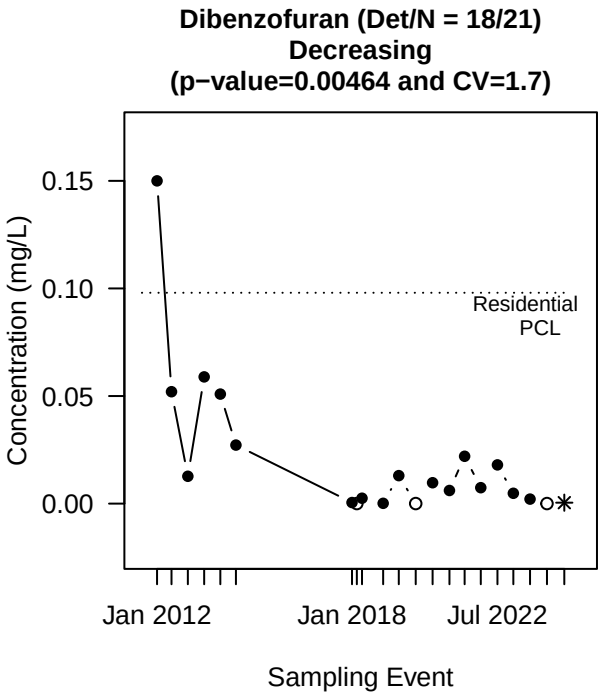
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

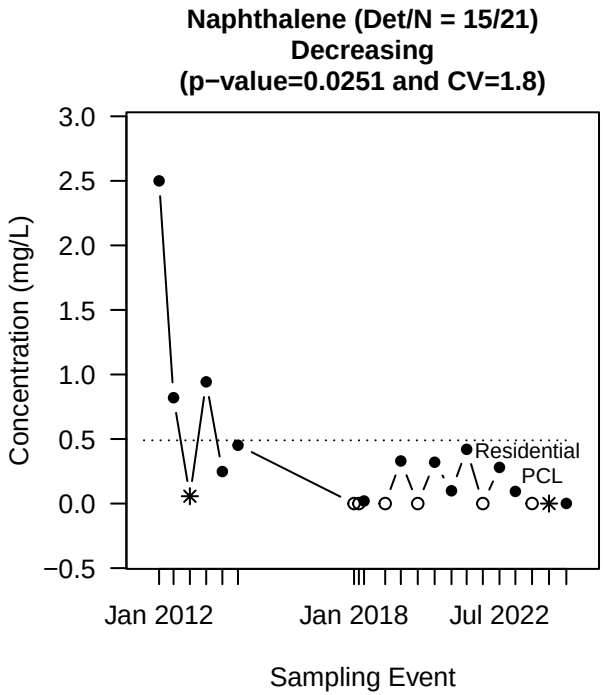
Mann−Kendall Trend Tests for MW−15B

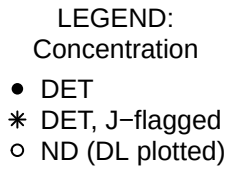








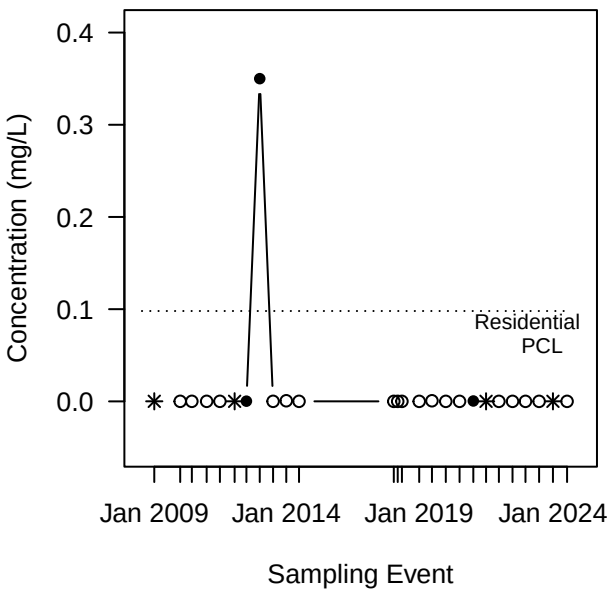




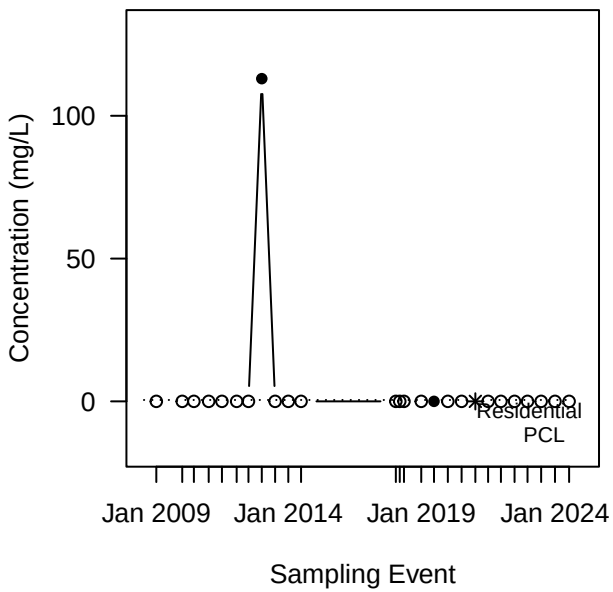
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−15C

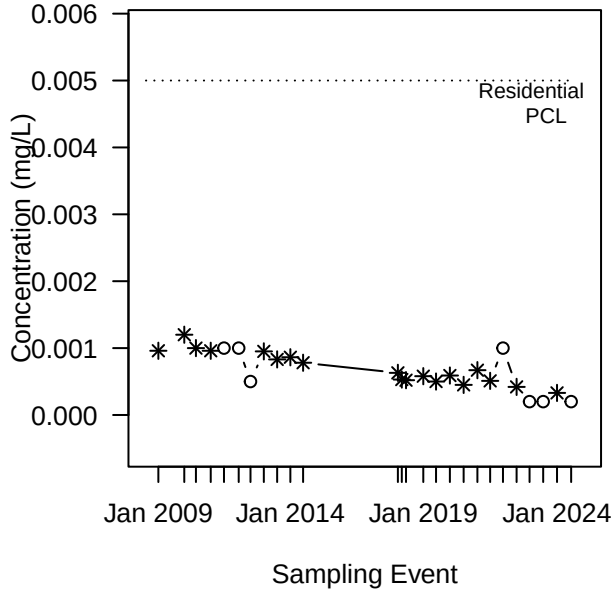
2−Methylnaphthalene (Det/N = 7/26)
No Trend
(p−value=0.315 and CV=5.1)



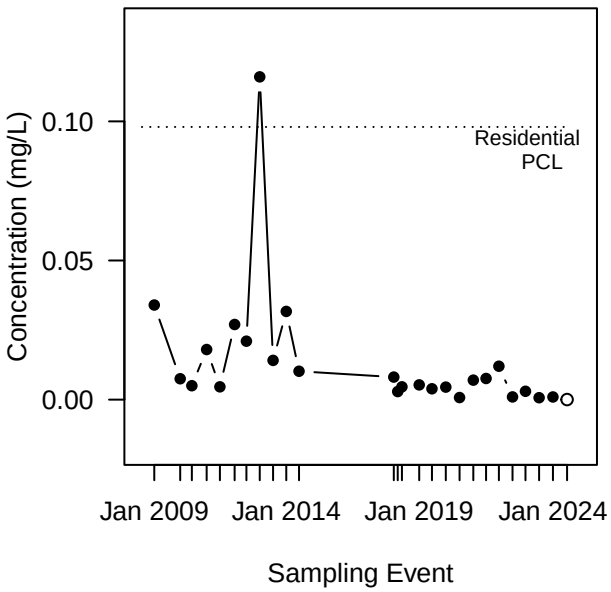
2,4−Dimethylphenol (Det/N = 3/26)
No Trend
(p−value=0.484 and CV=5.1)



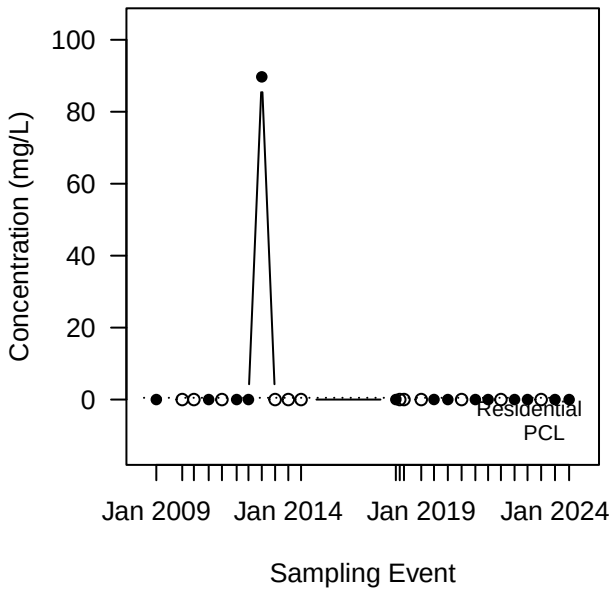
Benzene (Det/N = 19/26)
Decreasing
(p−value=9.04e−05 and CV=0.43)



Dibenzofuran (Det/N = 25/26)
Decreasing
(p−value=0.000116 and CV=1.7)



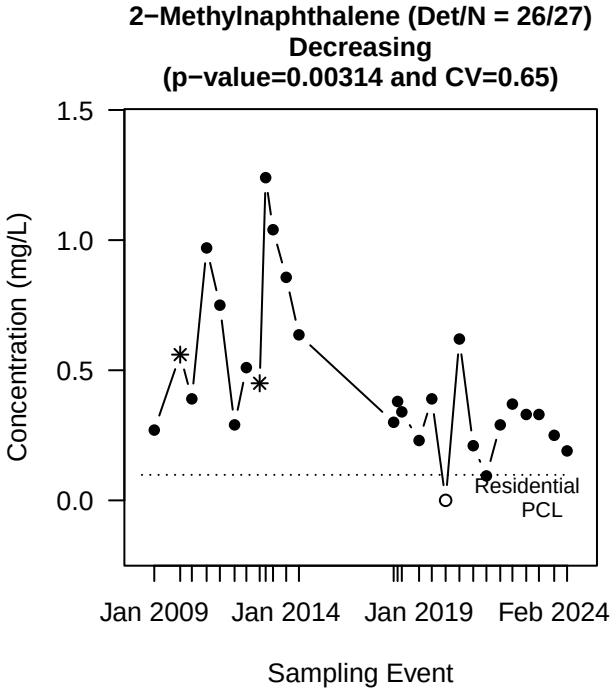
Naphthalene (Det/N = 14/26)
No Trend
(p−value=0.329 and CV=5.1)

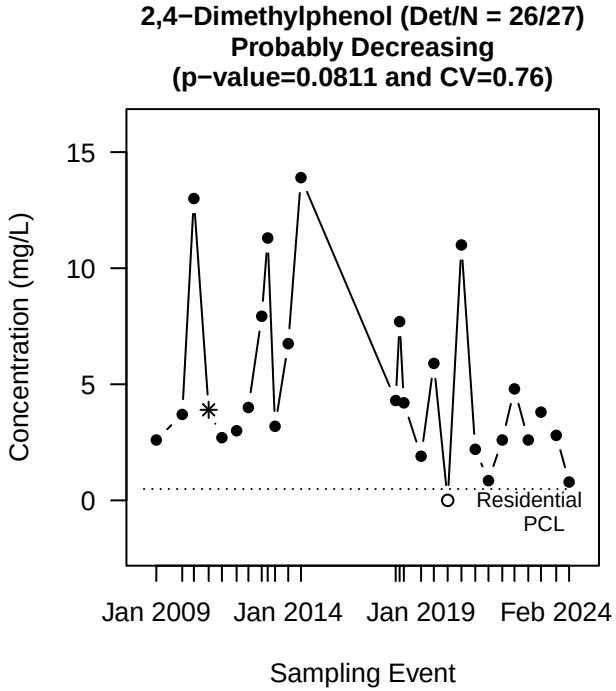


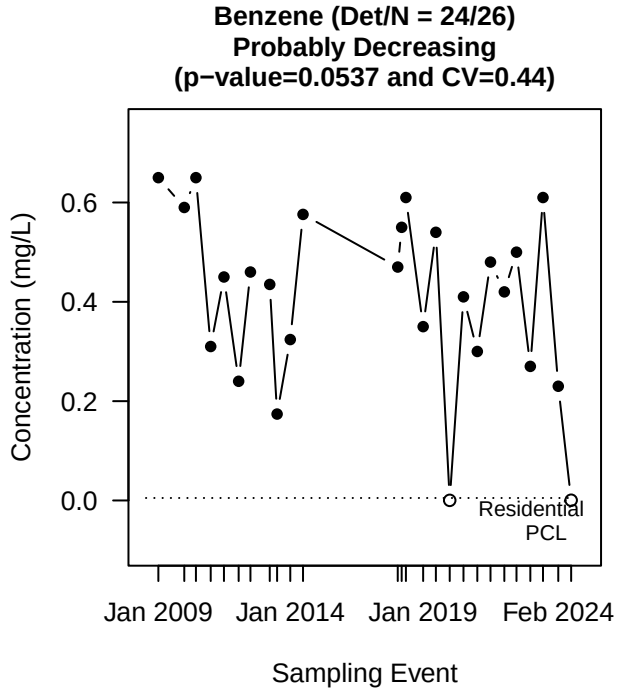
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

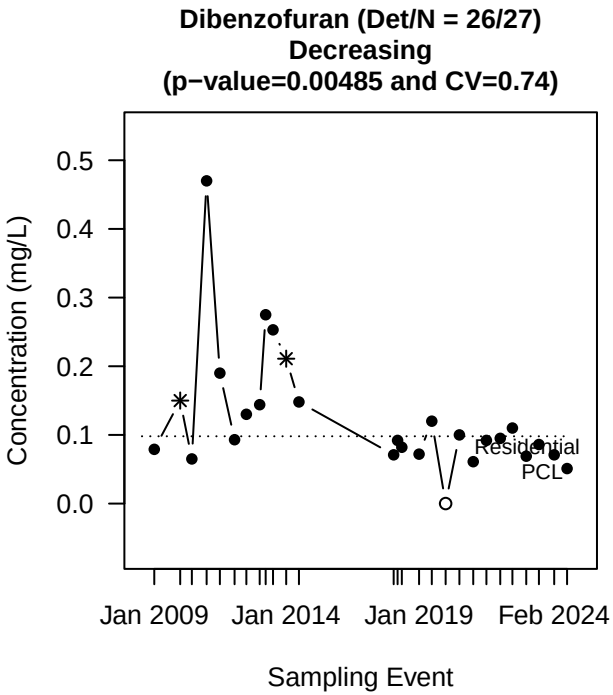
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

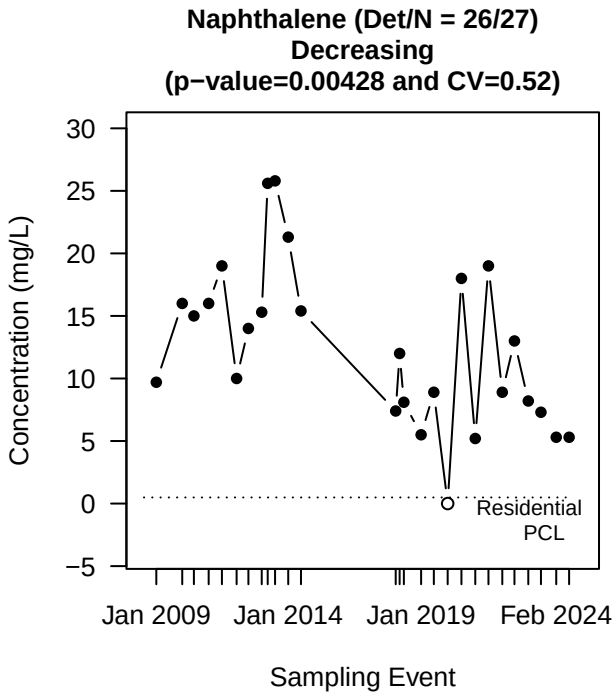
Mann−Kendall Trend Tests for MW−17







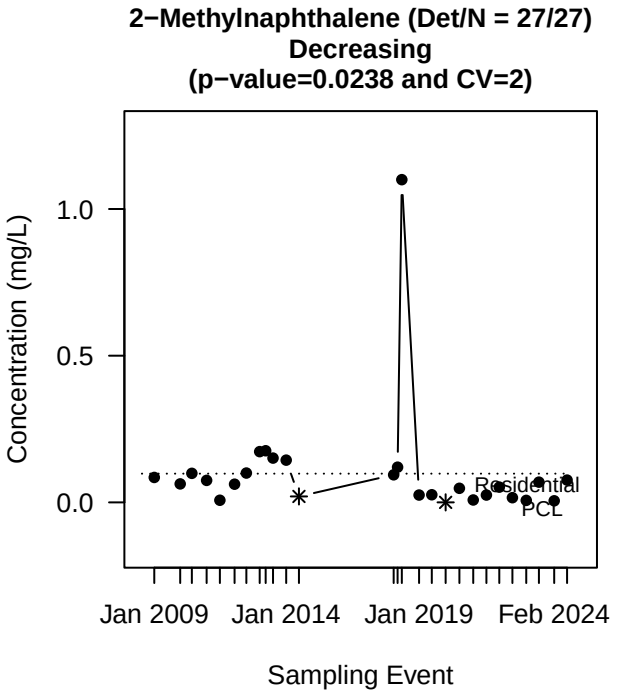


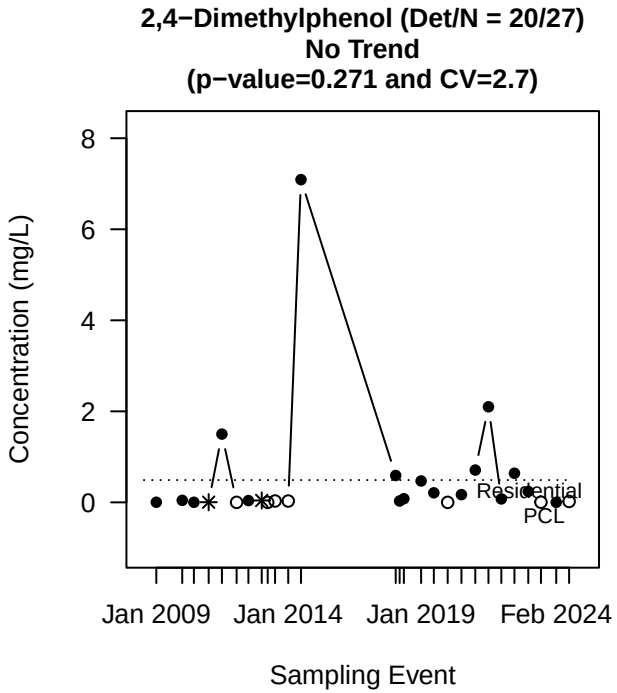


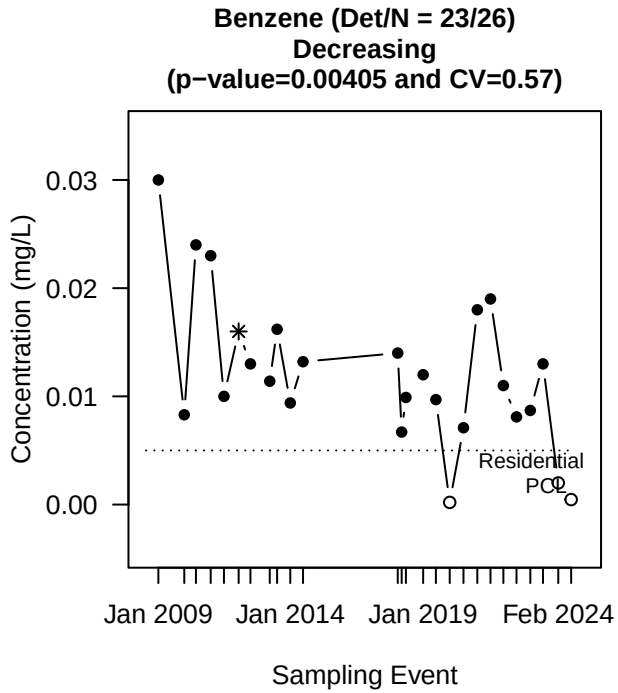
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

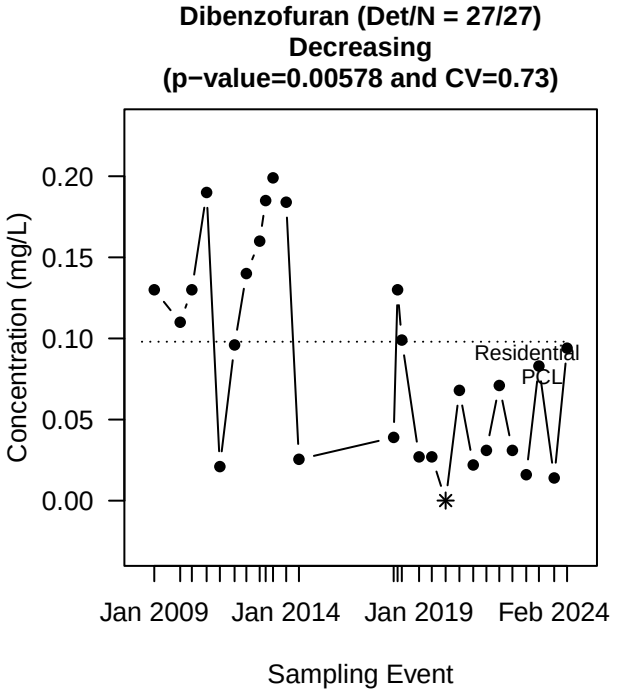
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

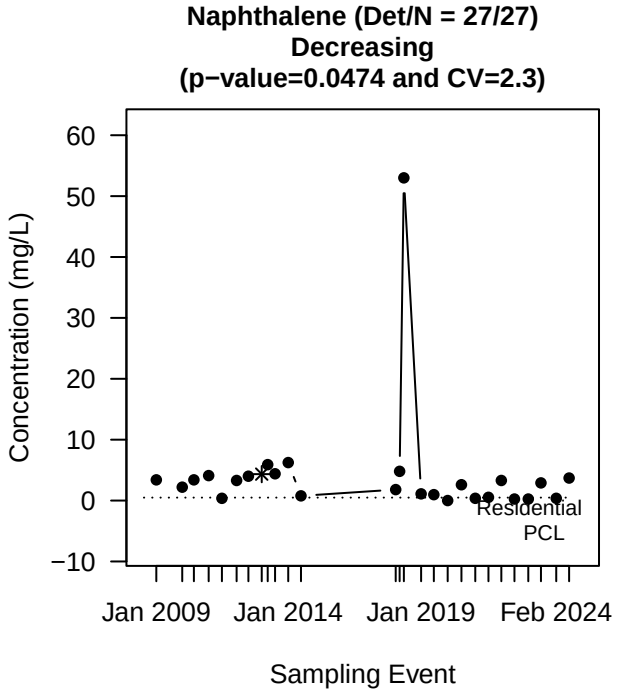
Mann−Kendall Trend Tests for MW−17C

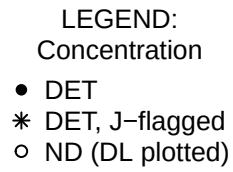






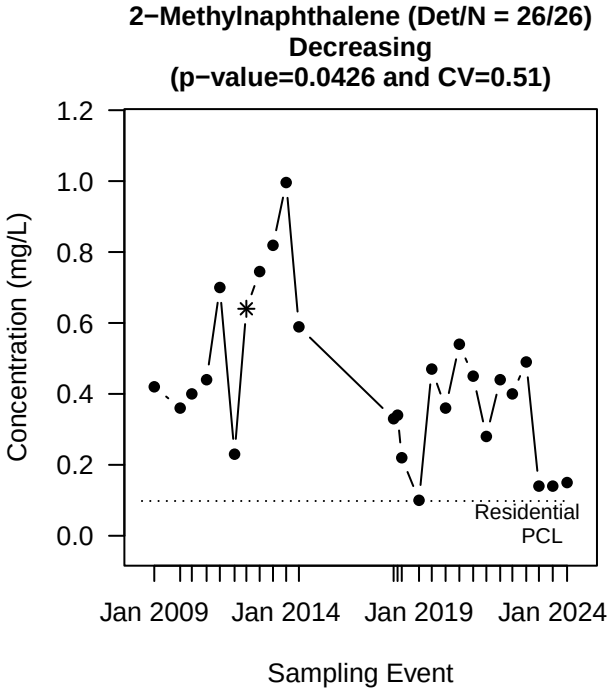


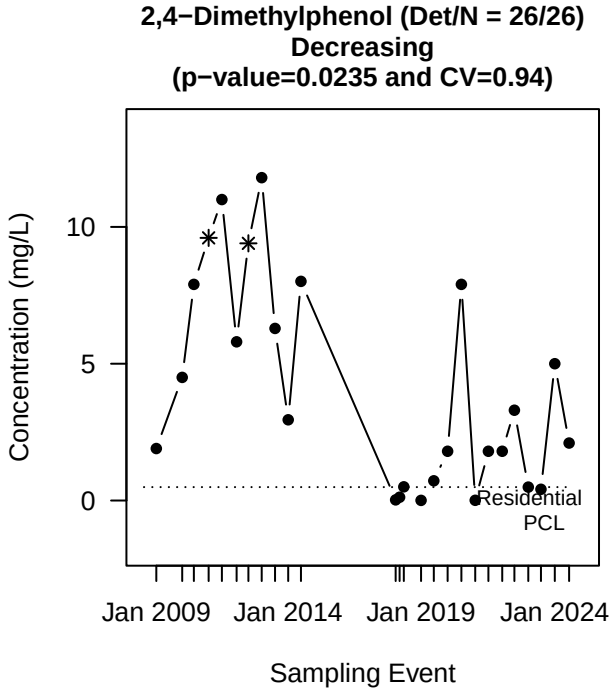


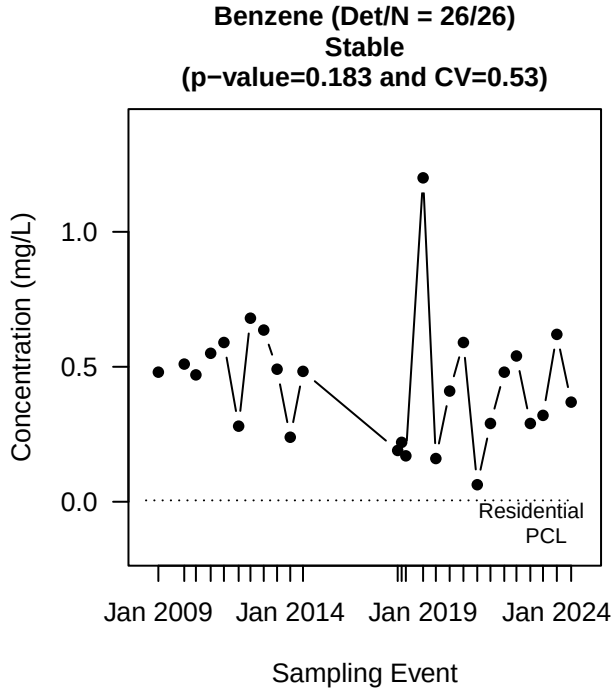


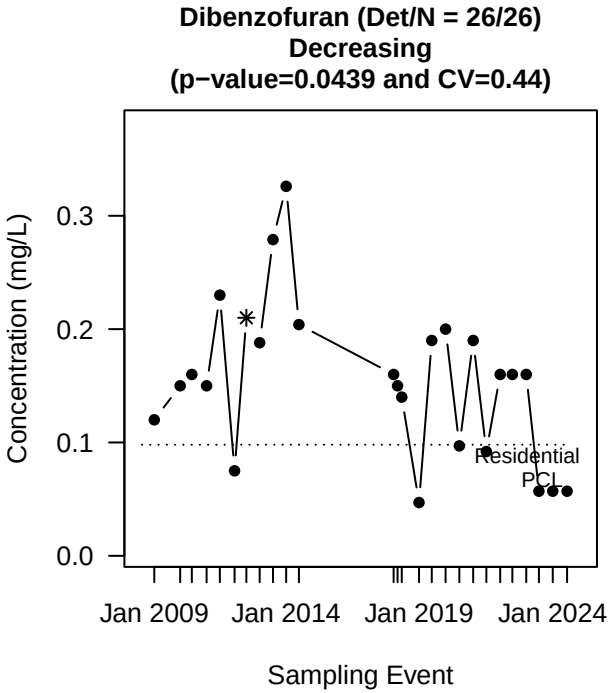
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

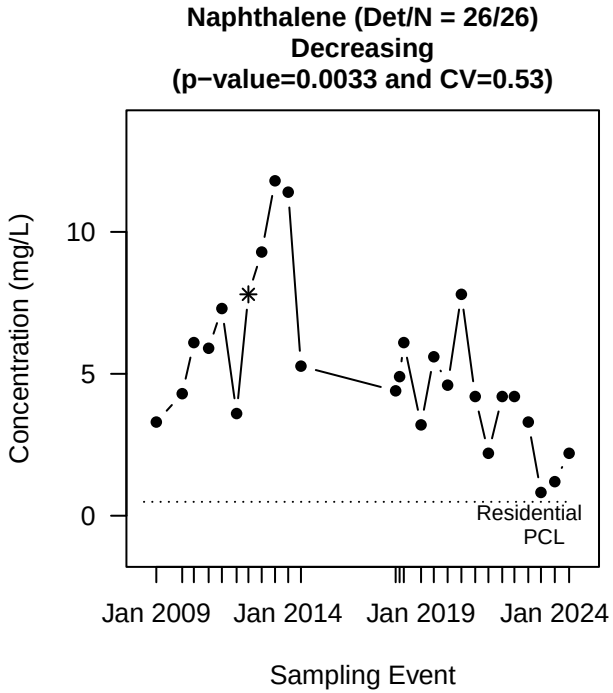
Mann−Kendall Trend Tests for MW−18A

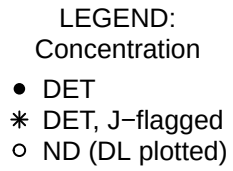






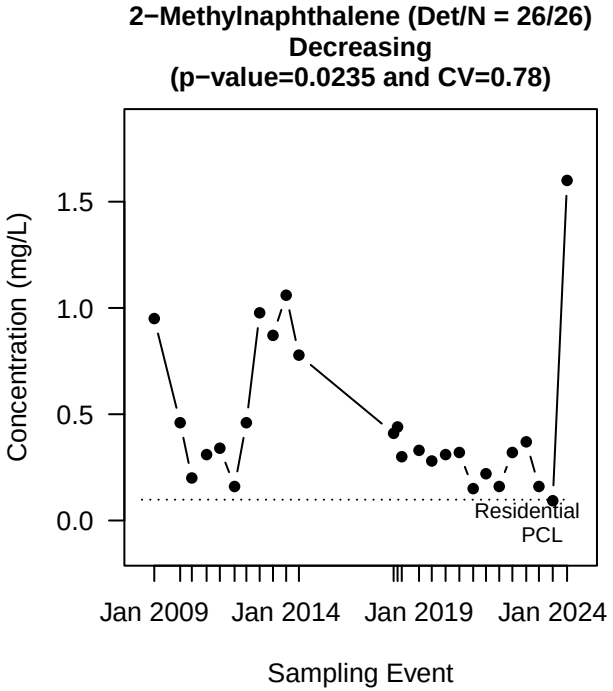


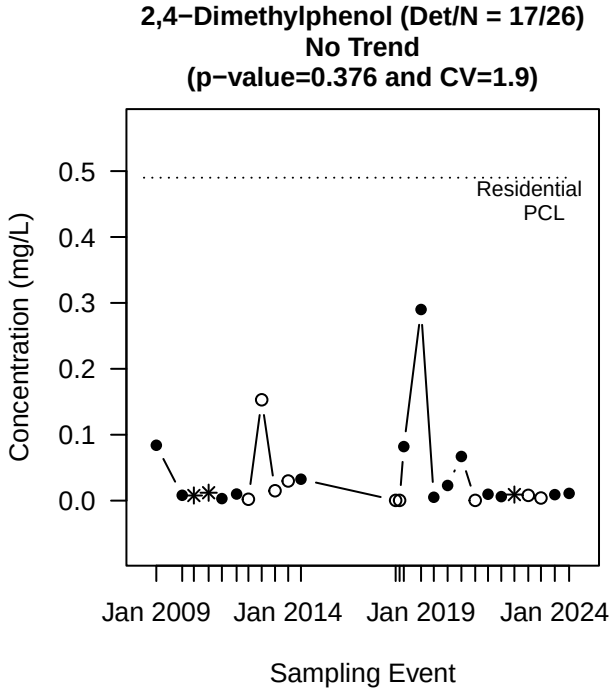


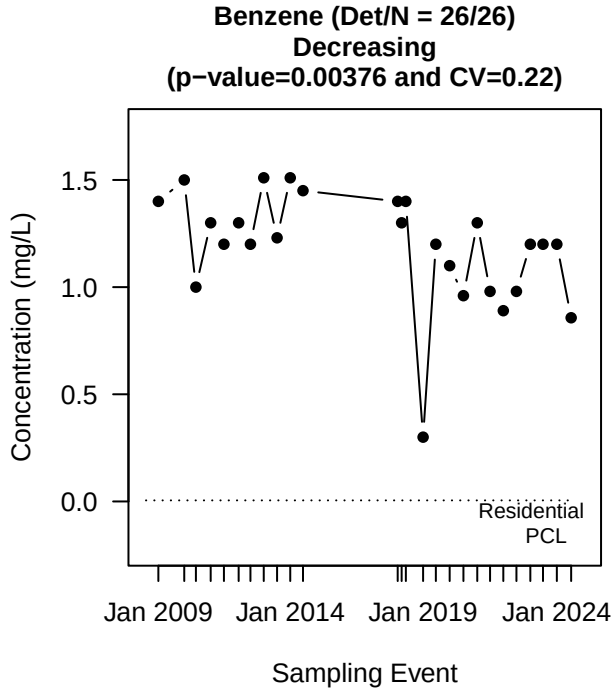


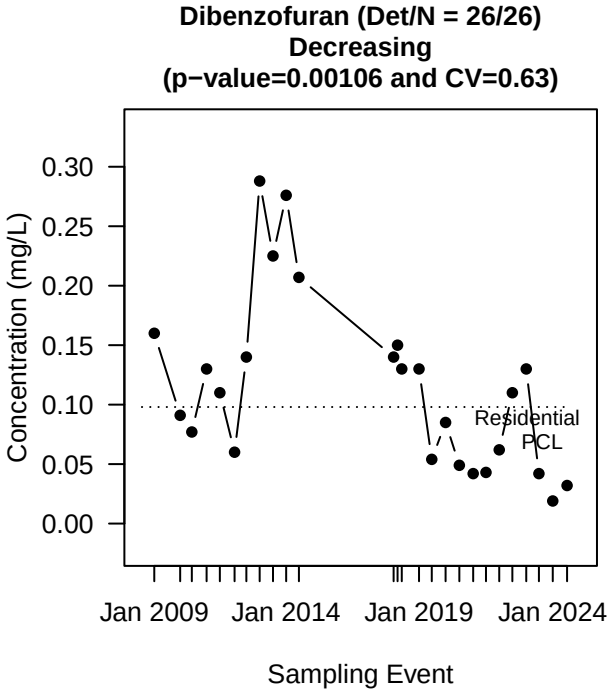
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

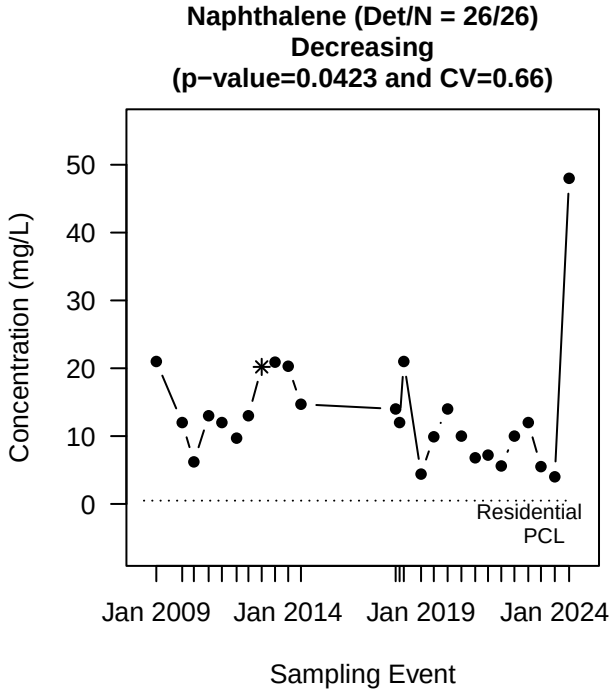
Mann−Kendall Trend Tests for MW−18C

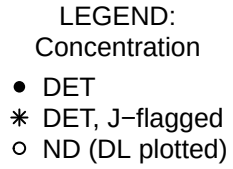








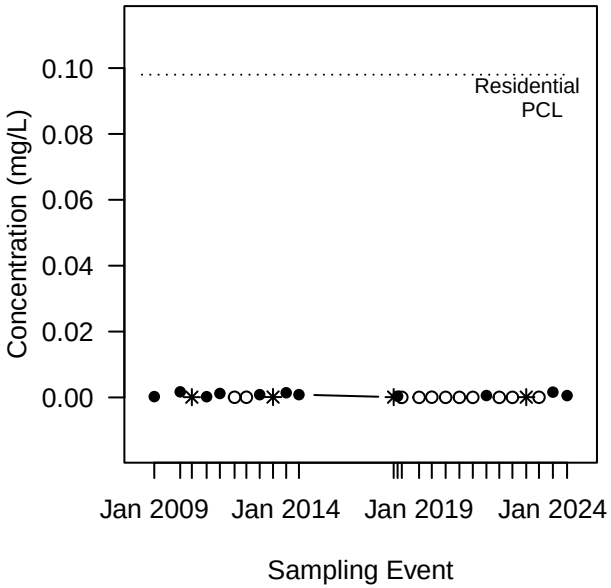




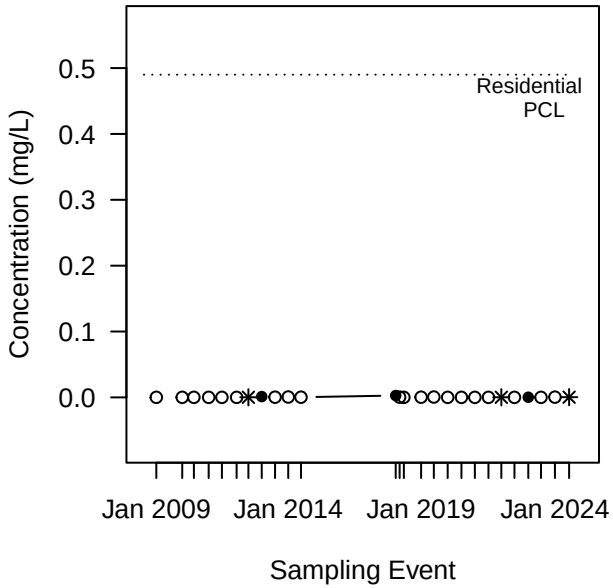
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−19C

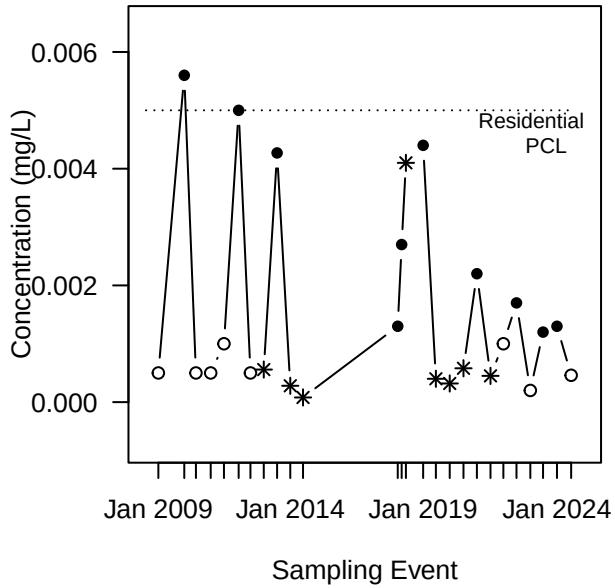
2−Methylnaphthalene (Det/N = 15/26)
Probably Decreasing
(p−value=0.0805 and CV=1.4)



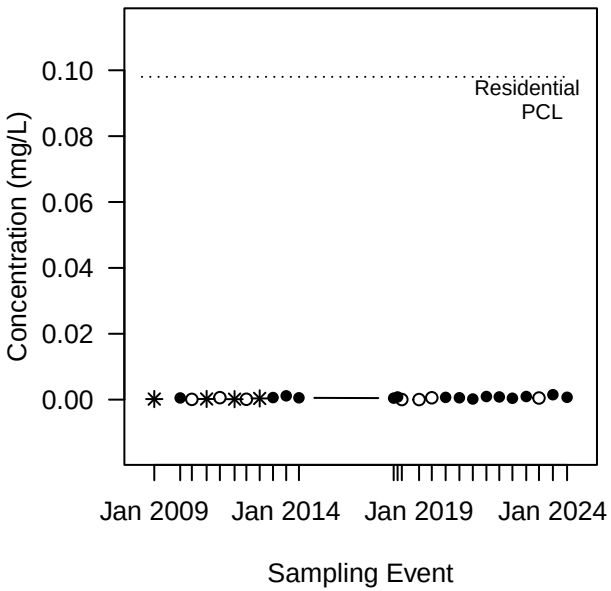
2,4−Dimethylphenol (Det/N = 6/26)
No Trend
(p−value=0.154 and CV=1.7)



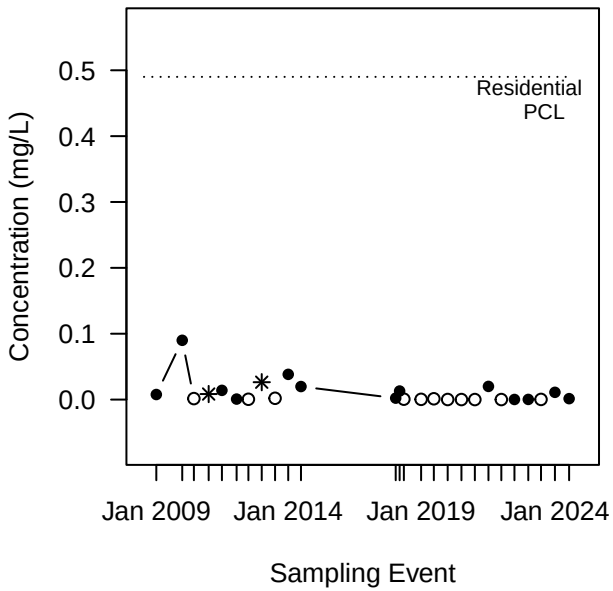
Benzene (Det/N = 18/26)
No Trend
(p−value=0.42 and CV=1.1)



Dibenzofuran (Det/N = 19/26)
Increasing
(p−value=0.0181 and CV=0.7)



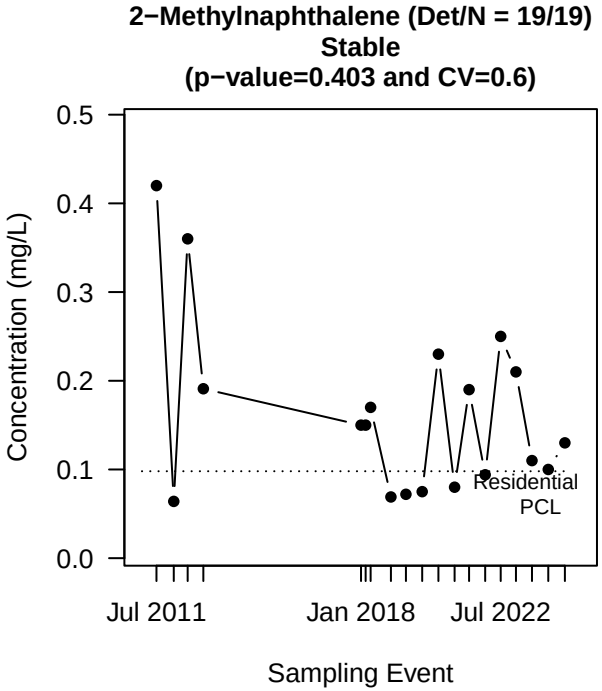
Naphthalene (Det/N = 15/26)
No Trend
(p−value=0.103 and CV=1.9)

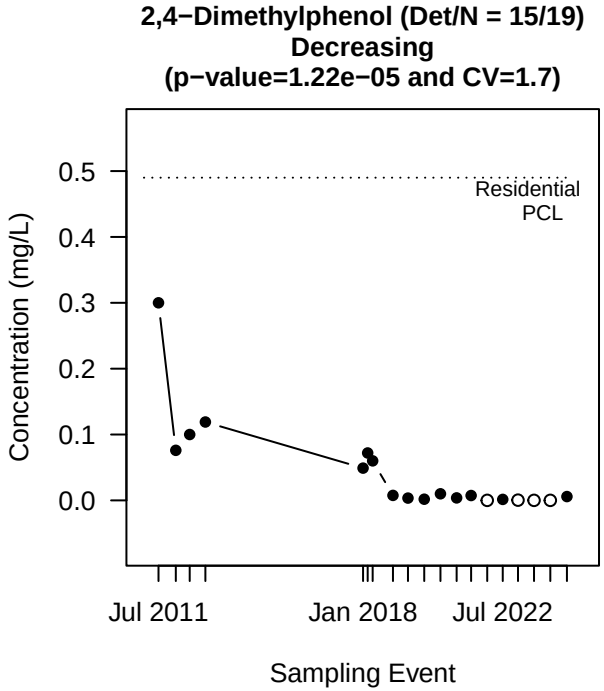


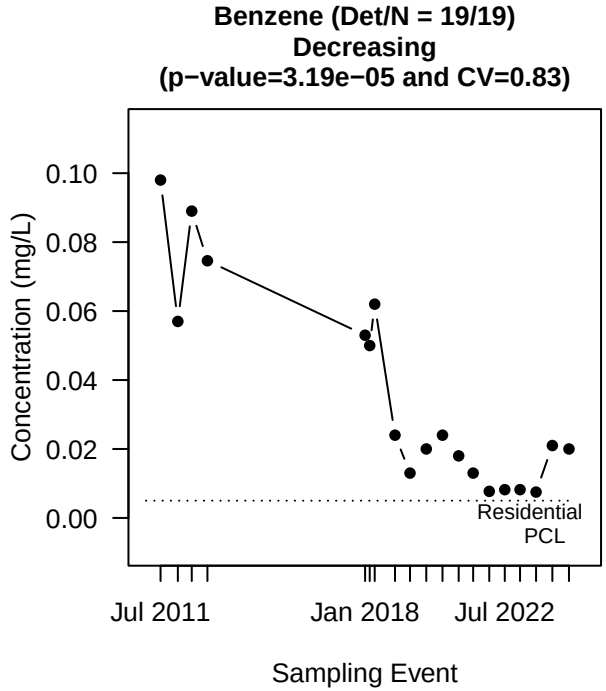
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

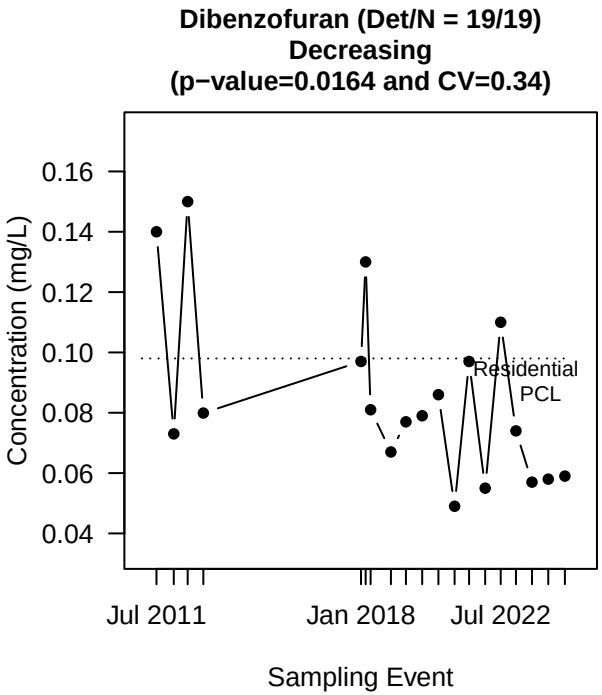
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

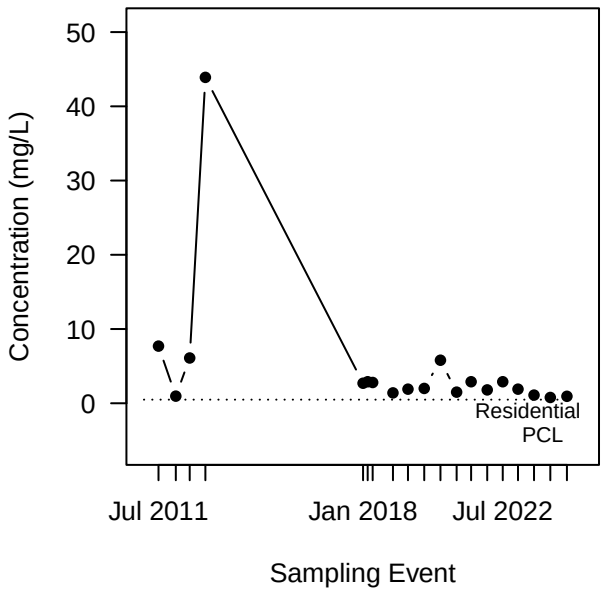
Mann−Kendall Trend Tests for MW−20A











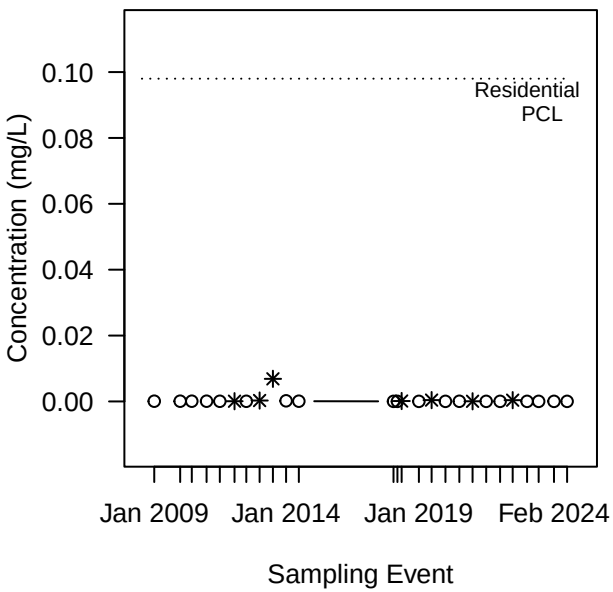
LEGEND:
Concentration

- DET
- ND (DL plotted)

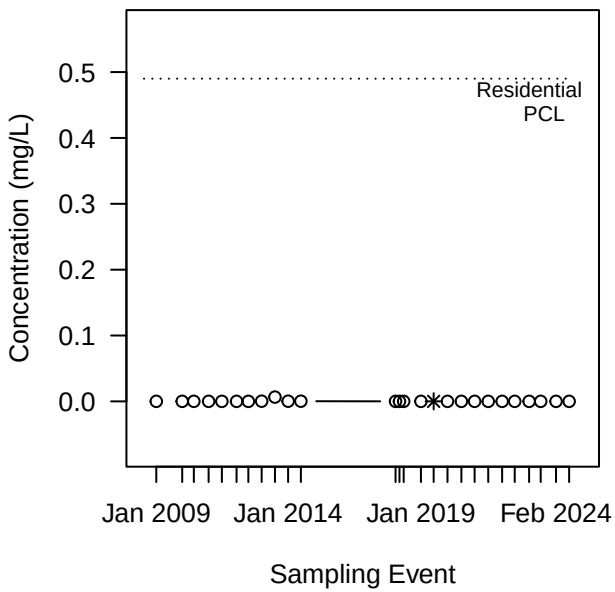
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−21C

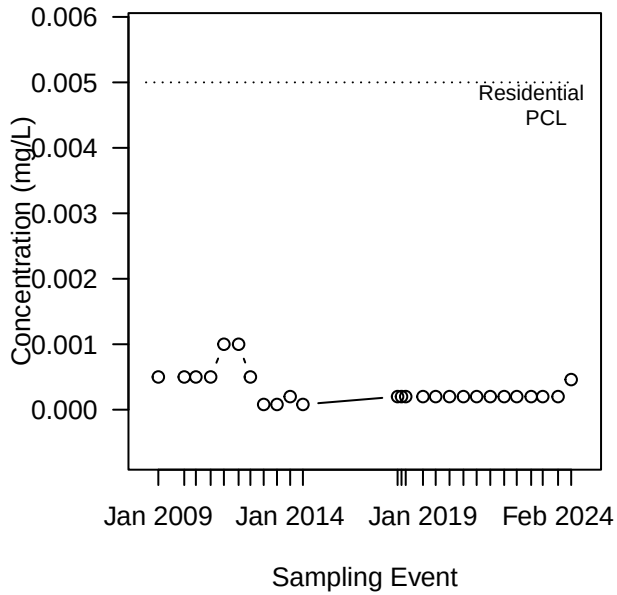
2−Methylnaphthalene (Det/N = 7/26)
No Trend
(p−value=0.5 and CV=3.8)



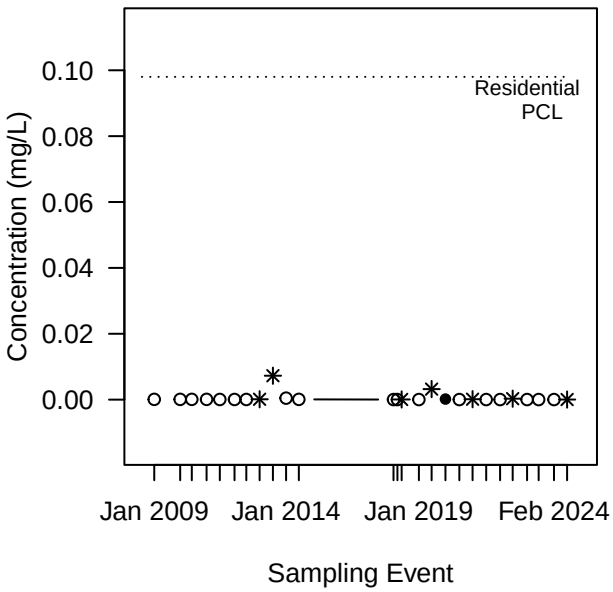
2,4−Dimethylphenol (Det/N = 1/26)
No Trend
(p−value=0.395 and CV=3.9)



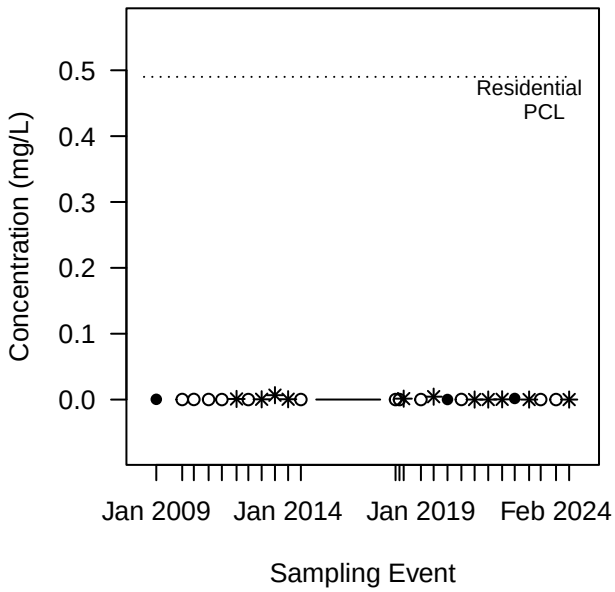
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 8/26)
No Trend
(p−value=0.145 and CV=3.2)



Naphthalene (Det/N = 14/26)
No Trend
(p−value=0.39 and CV=2.2)

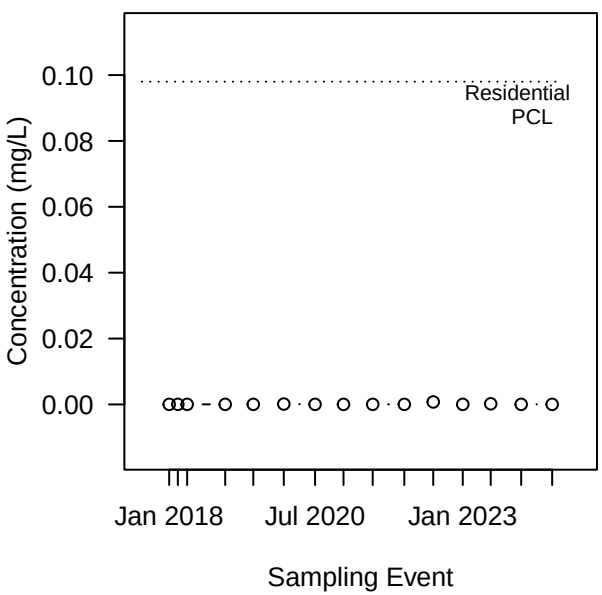


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

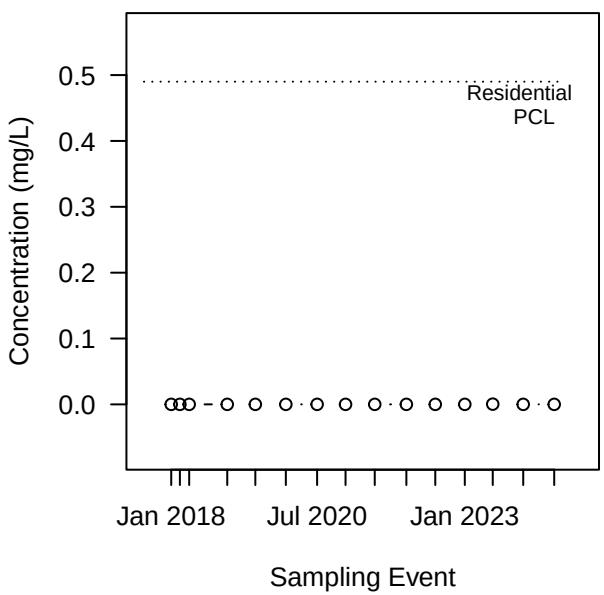
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−22AR

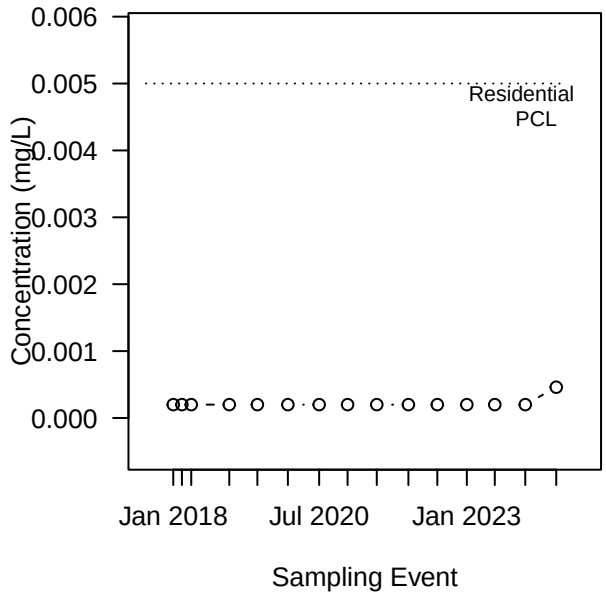
2−Methylnaphthalene (Det/N = 0/15)
Not evaluated − All NDs



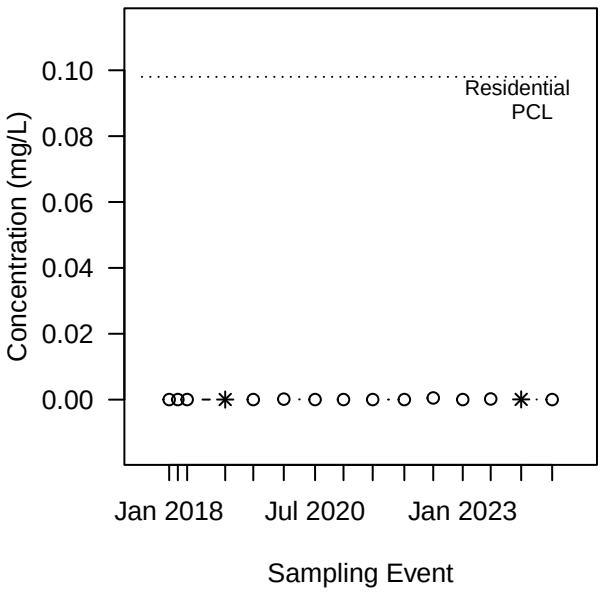
2,4−Dimethylphenol (Det/N = 0/15)
Not evaluated − All NDs



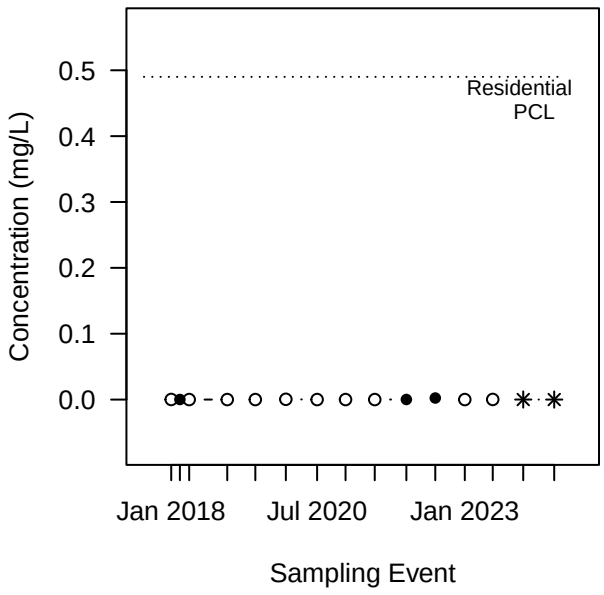
Benzene (Det/N = 0/15)
Not evaluated − All NDs



Dibenzofuran (Det/N = 2/15)
No Trend
(p−value=0.368 and CV=1.7)



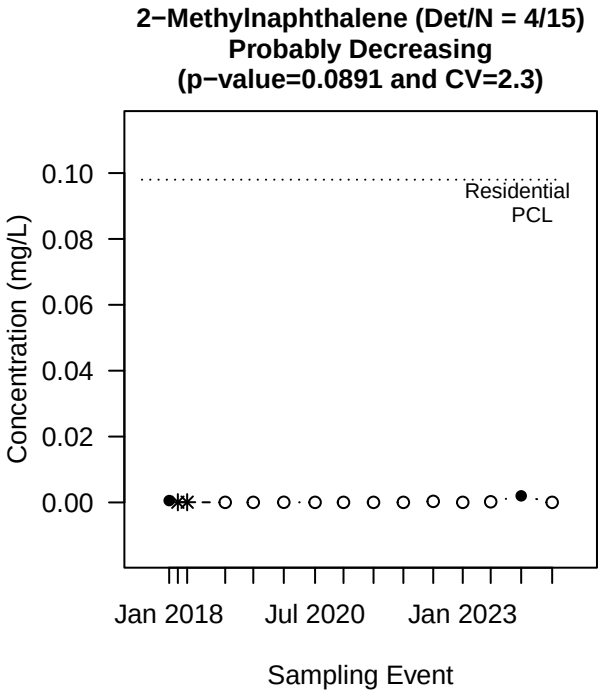
Naphthalene (Det/N = 5/15)
No Trend
(p−value=0.129 and CV=2.4)

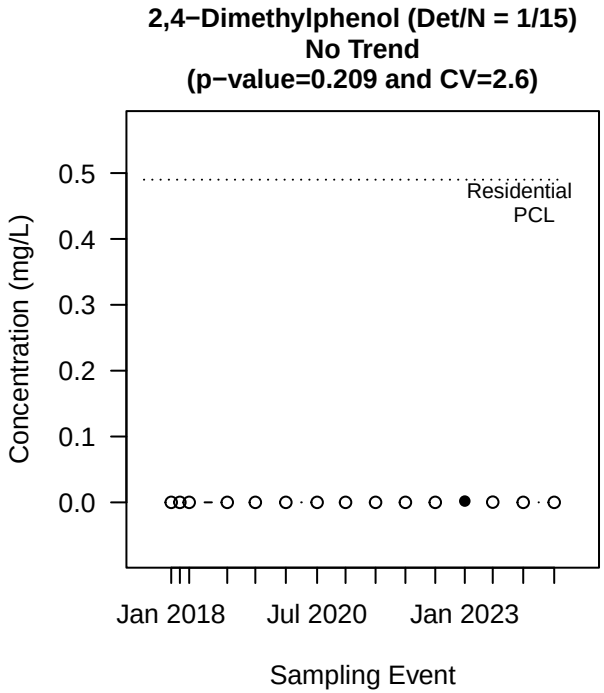


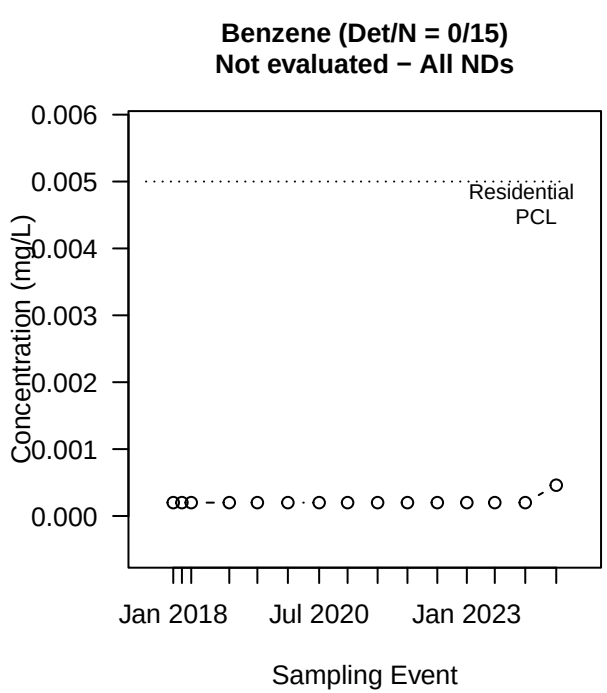
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

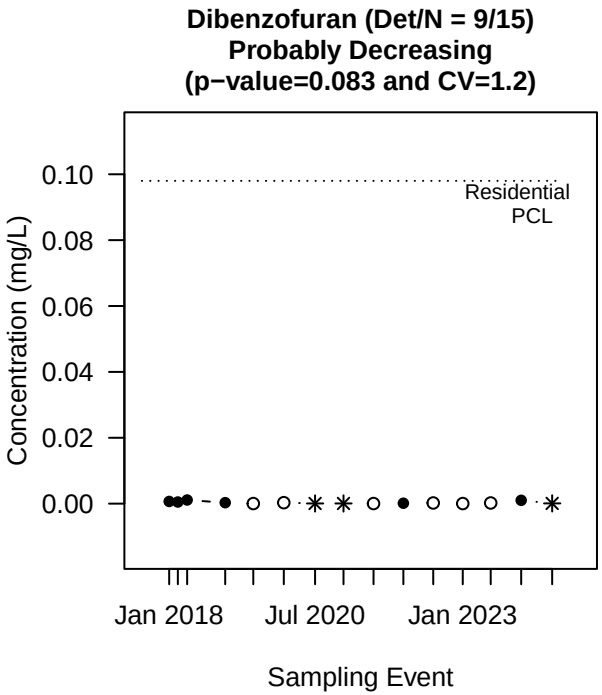
NOTE: A p−value<0.05 indicates a statistically significant trend.
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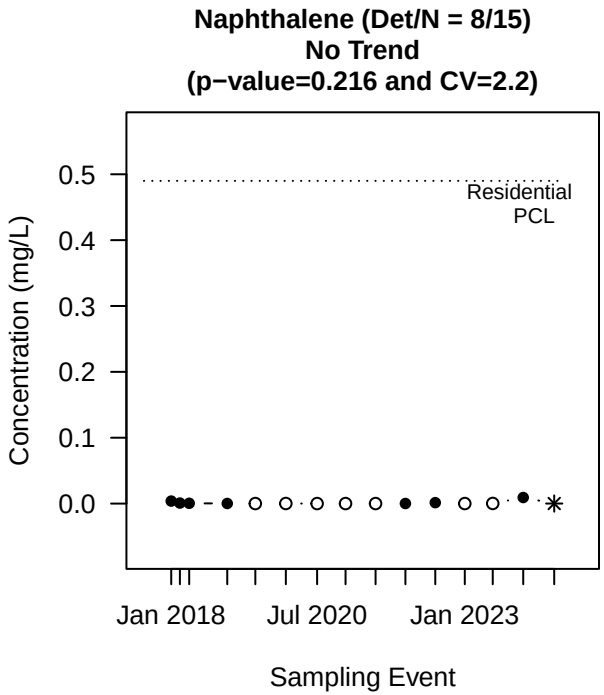
Mann−Kendall Trend Tests for MW−22BR







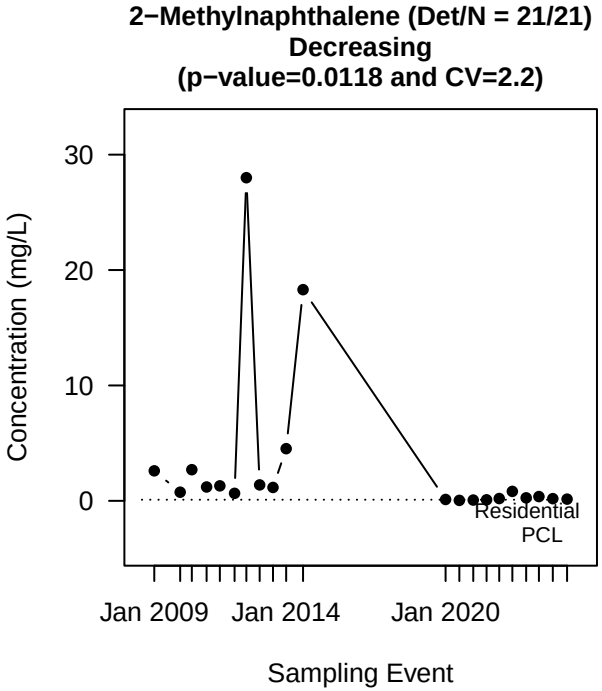


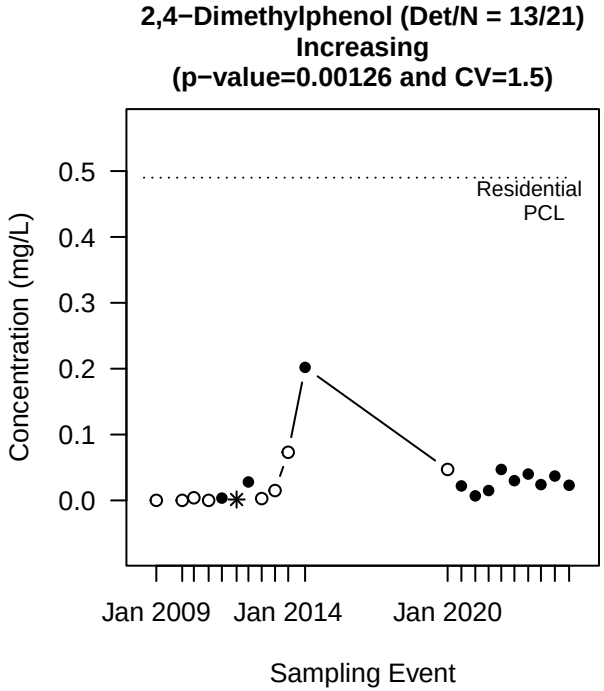


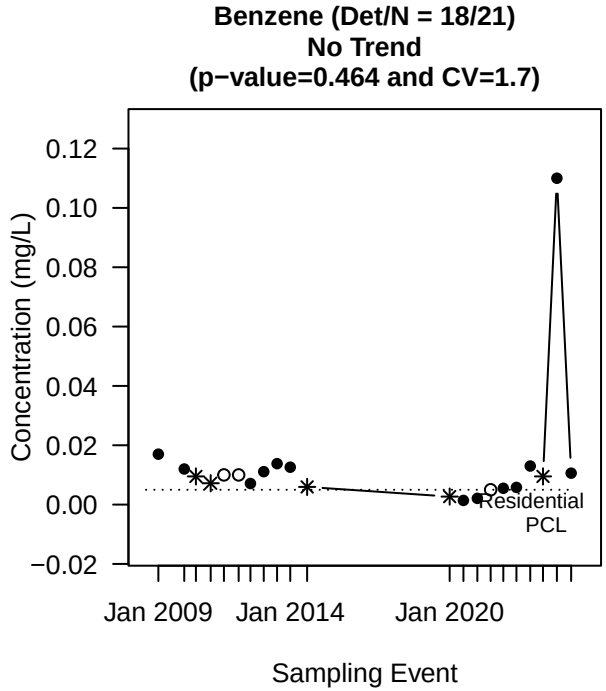
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

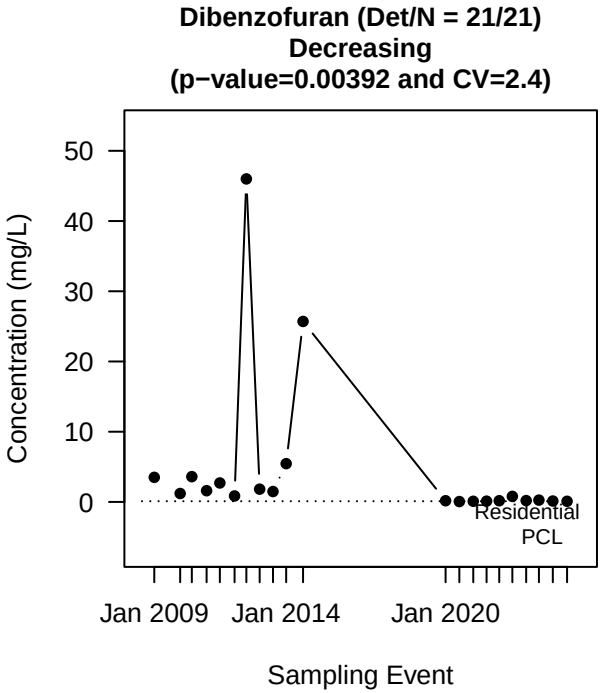
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

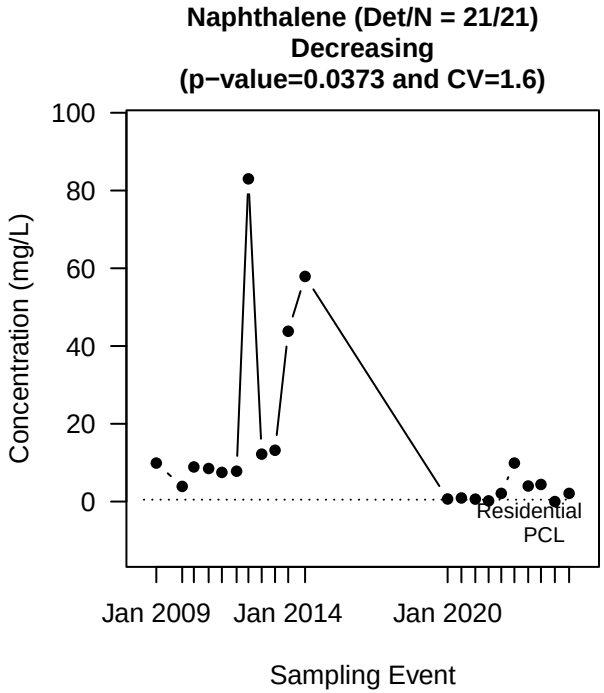
Mann−Kendall Trend Tests for MW−23C









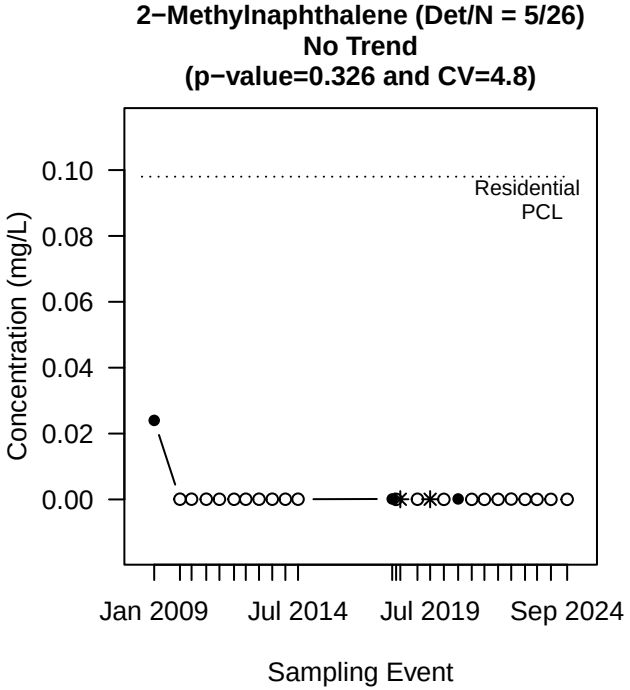


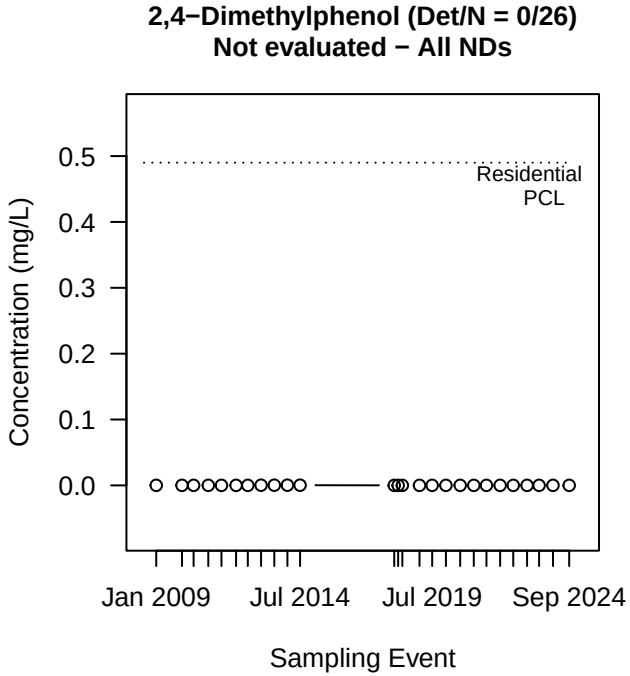
LEGEND:
Concentration

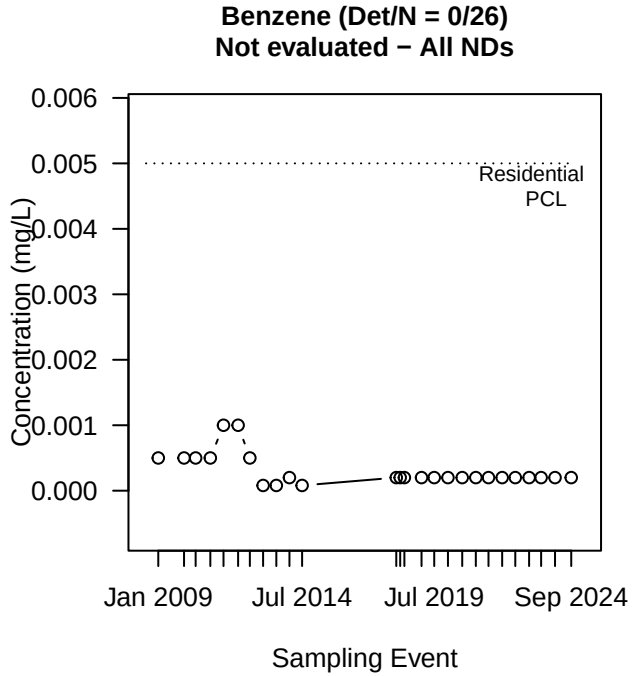
- DET
- DET, J−flagged
- ND (DL plotted)

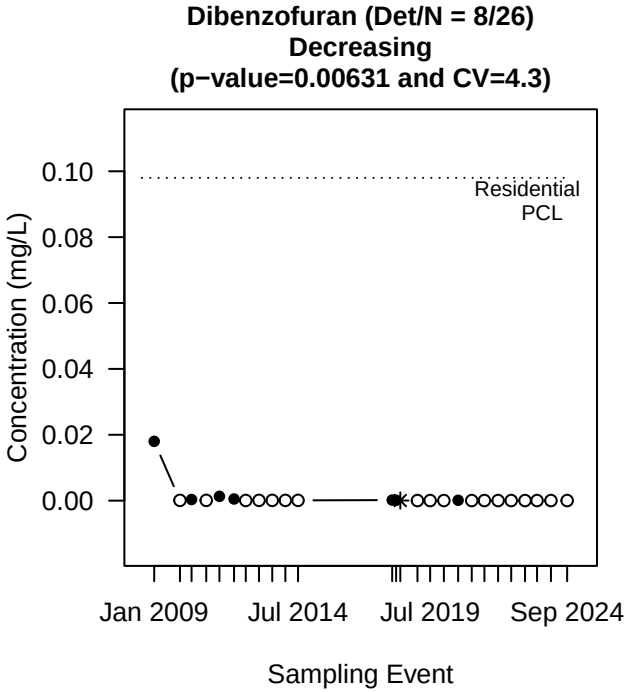
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

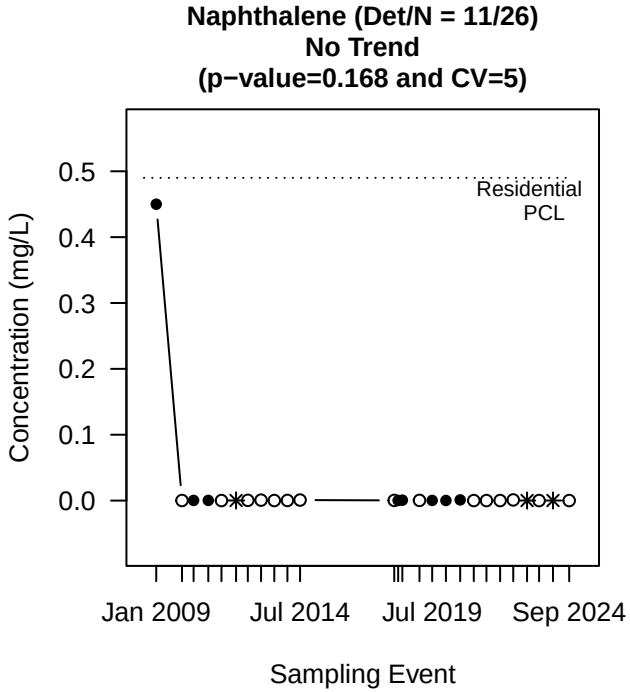
Mann−Kendall Trend Tests for MW−25A







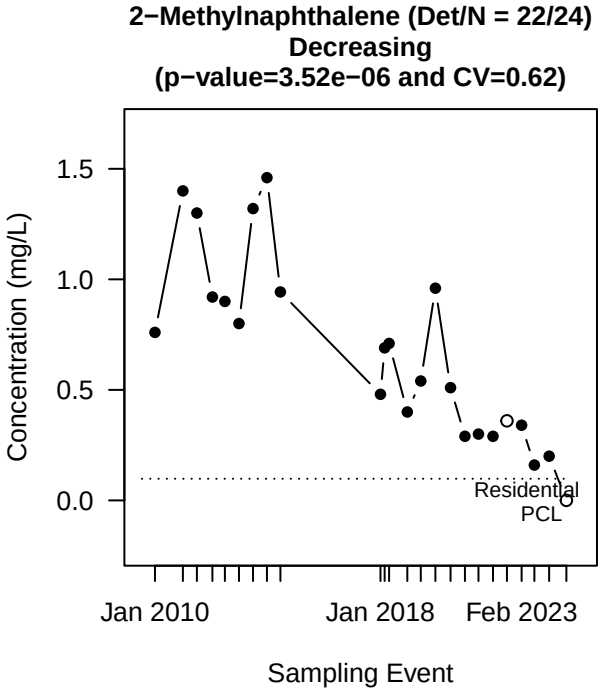


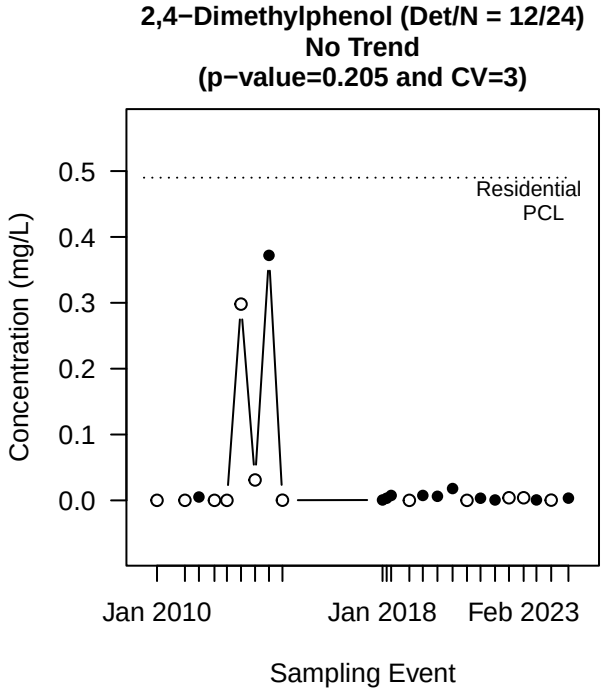


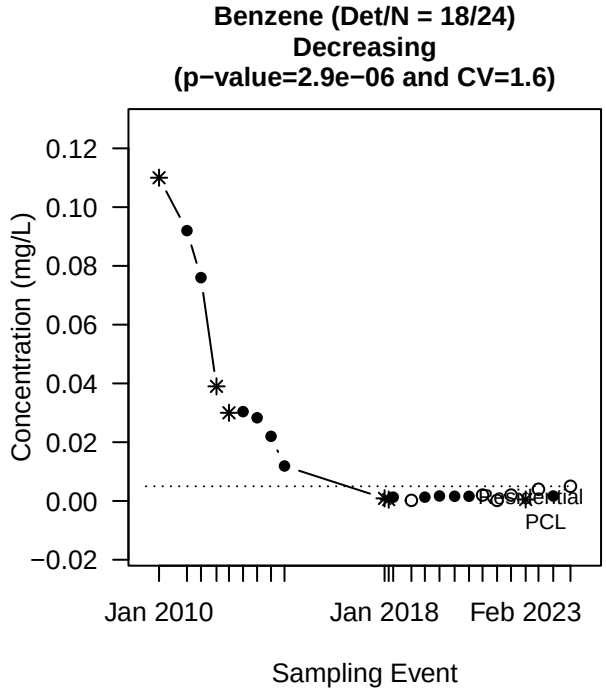
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

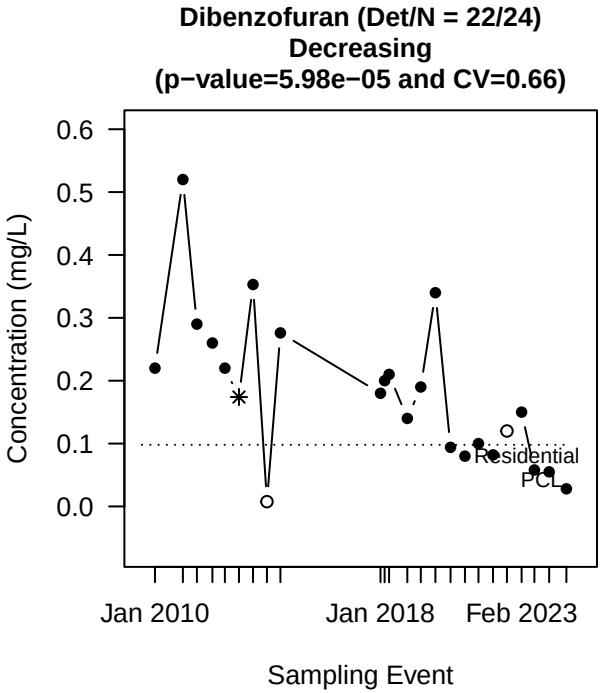
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

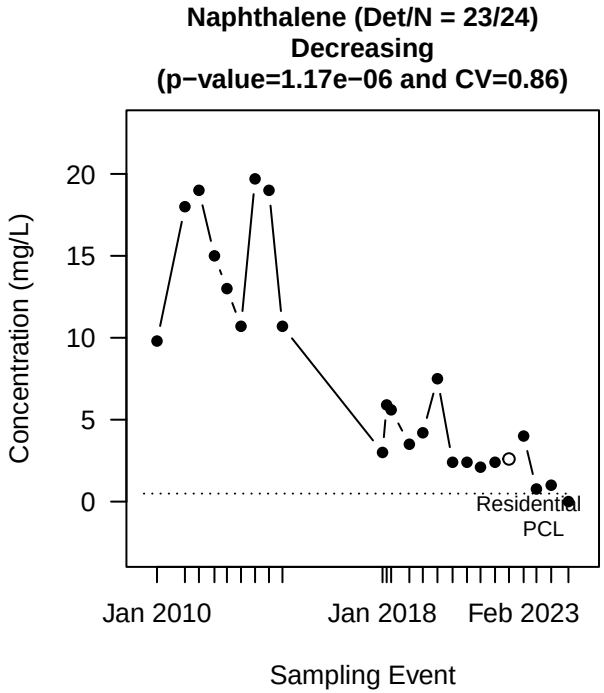
Mann−Kendall Trend Tests for MW−25C

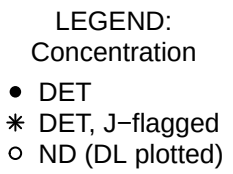








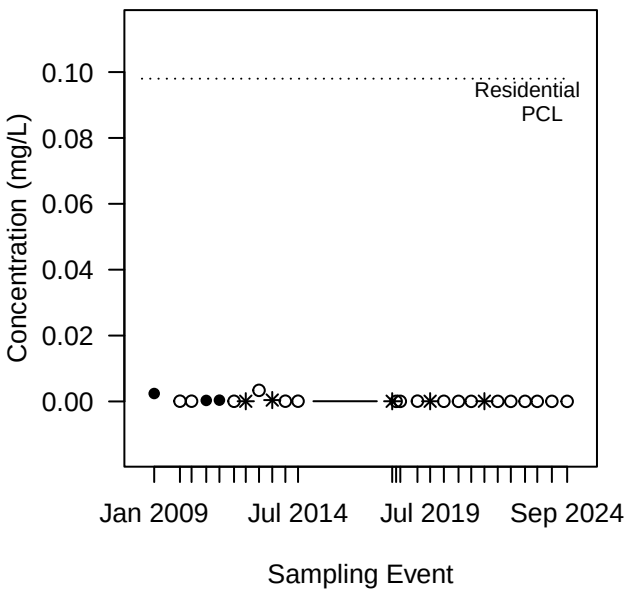




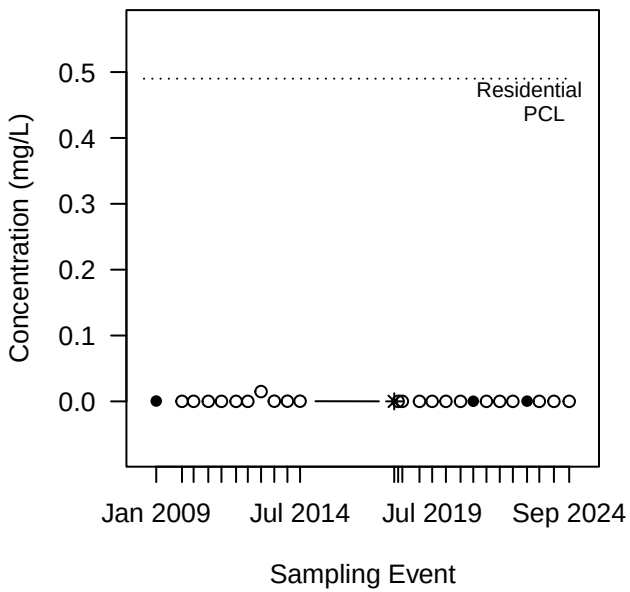
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−26A

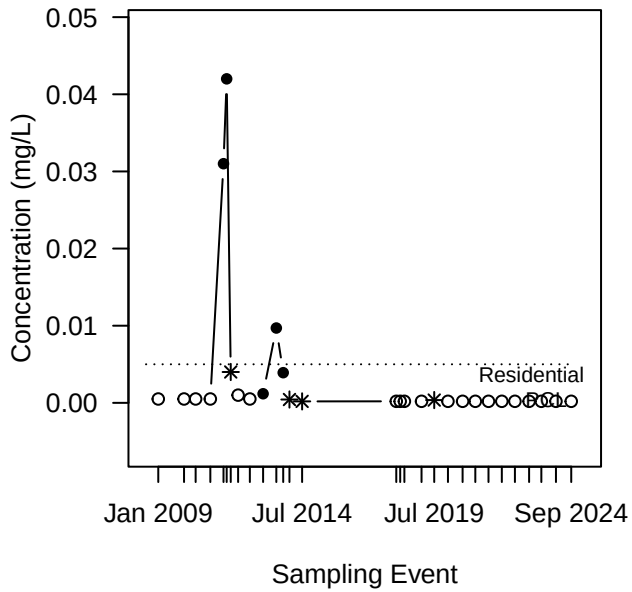
2−Methylnaphthalene (Det/N = 8/26)
Decreasing
(p−value=0.0184 and CV=2.6)



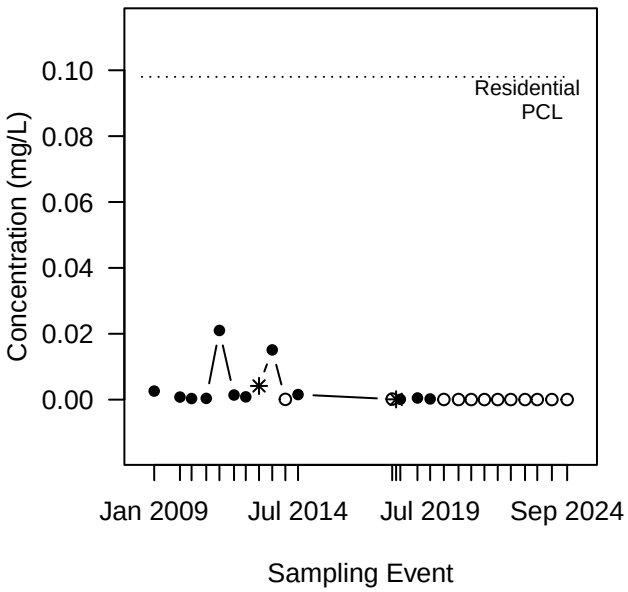
2,4−Dimethylphenol (Det/N = 4/26)
No Trend
(p−value=0.486 and CV=4.2)



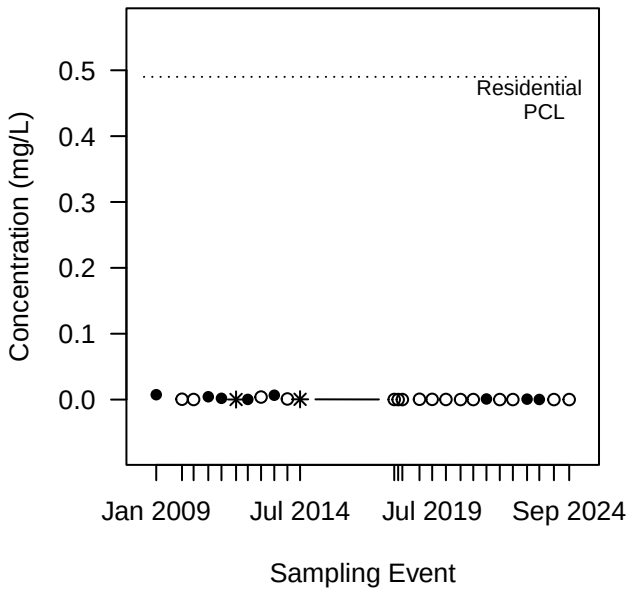
Benzene (Det/N = 9/29)
Decreasing
(p−value=0.0101 and CV=2.8)



Dibenzofuran (Det/N = 14/26)
Decreasing
(p−value=4.61e−05 and CV=2.6)



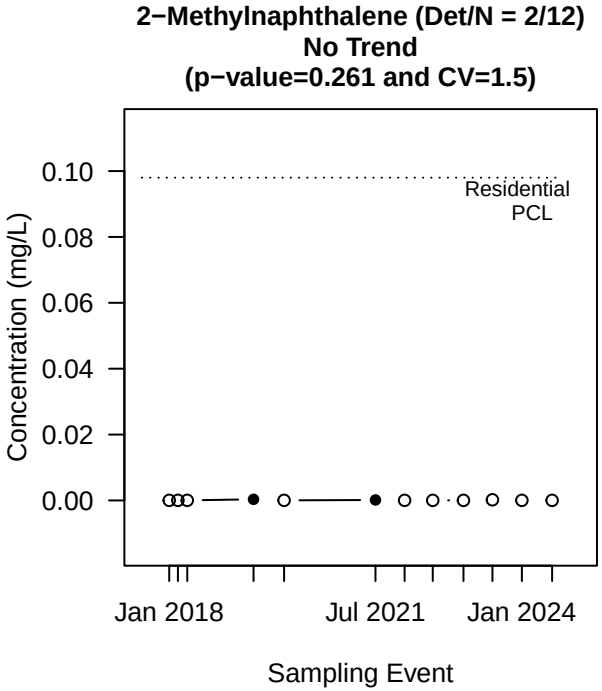
Naphthalene (Det/N = 10/26)
Decreasing
(p−value=0.0476 and CV=1.8)

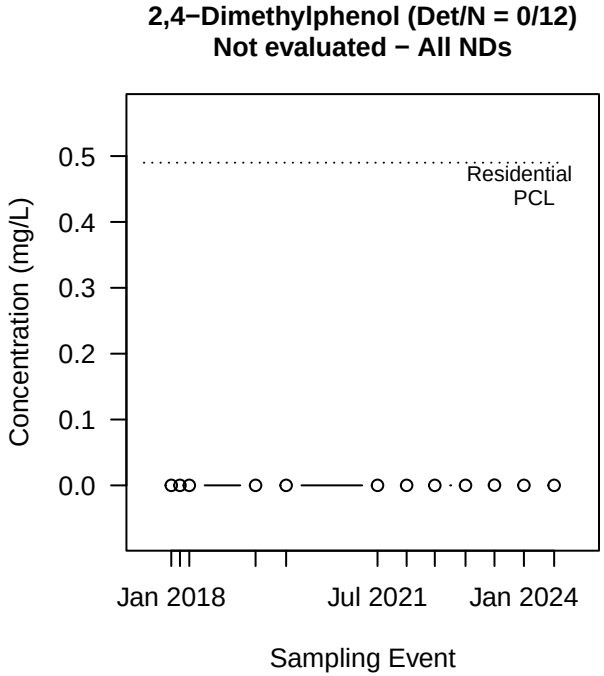


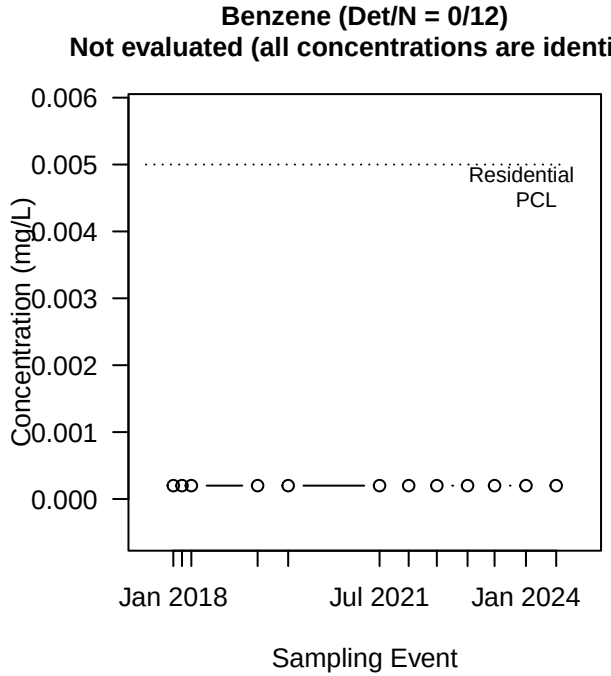
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

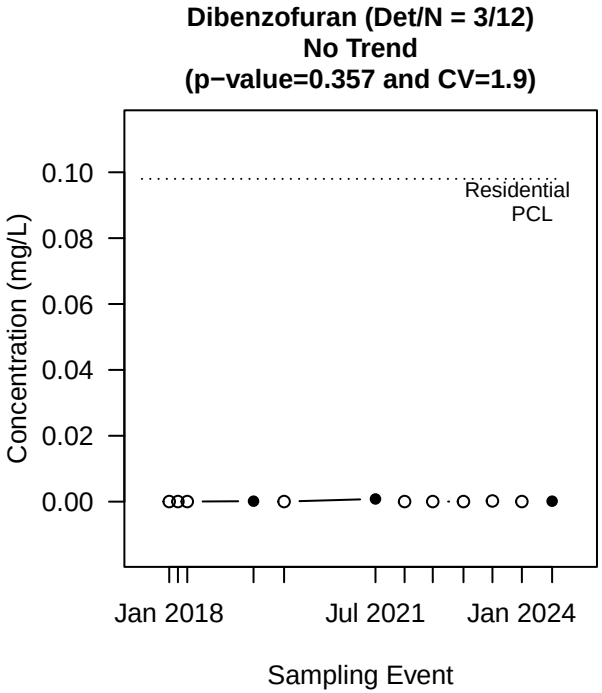
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

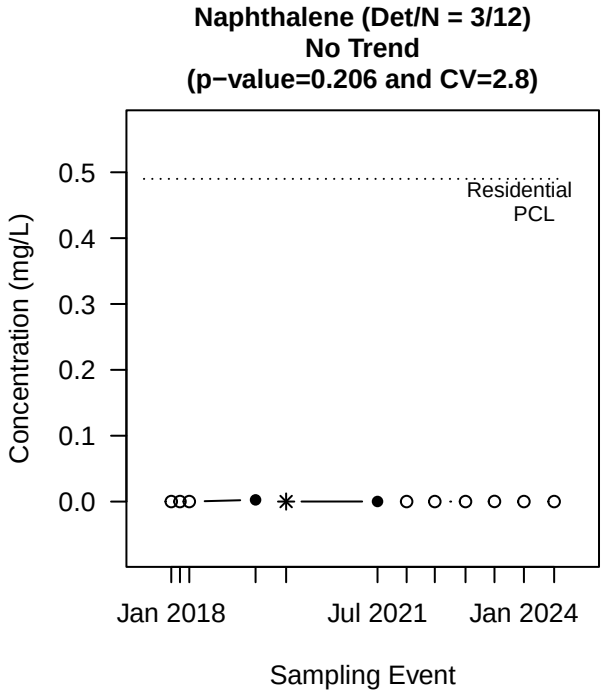
Mann−Kendall Trend Tests for MW−27A







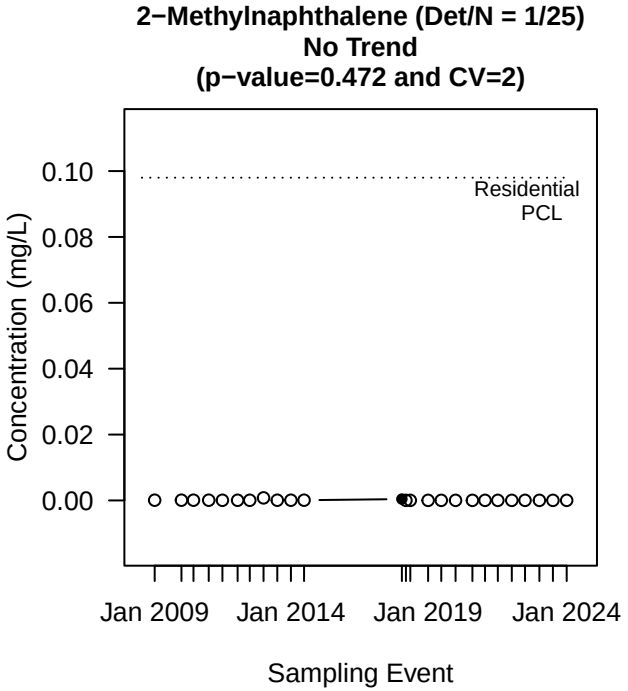


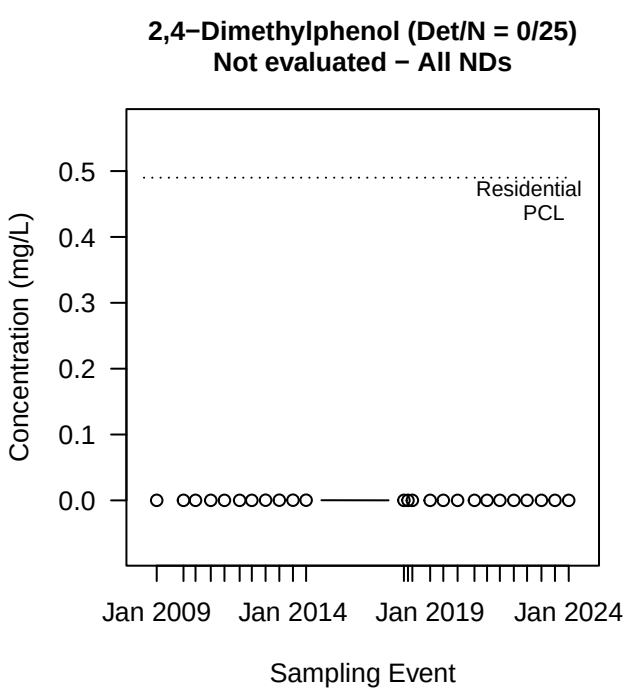


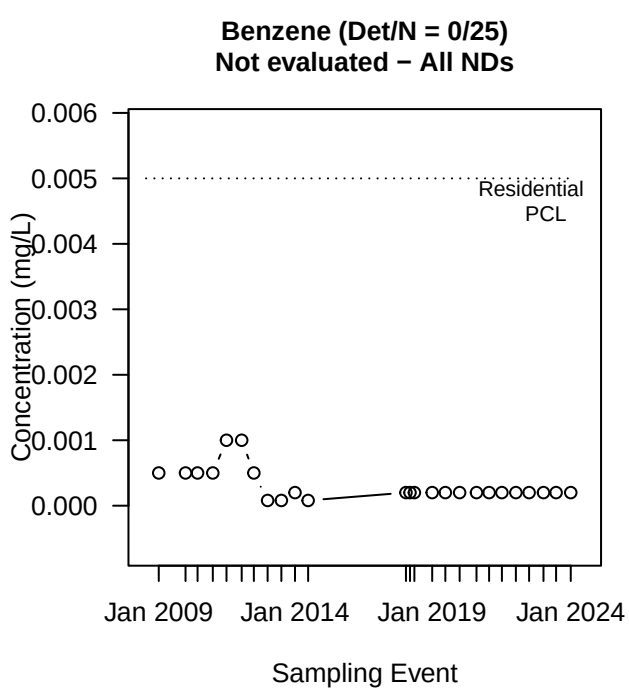
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

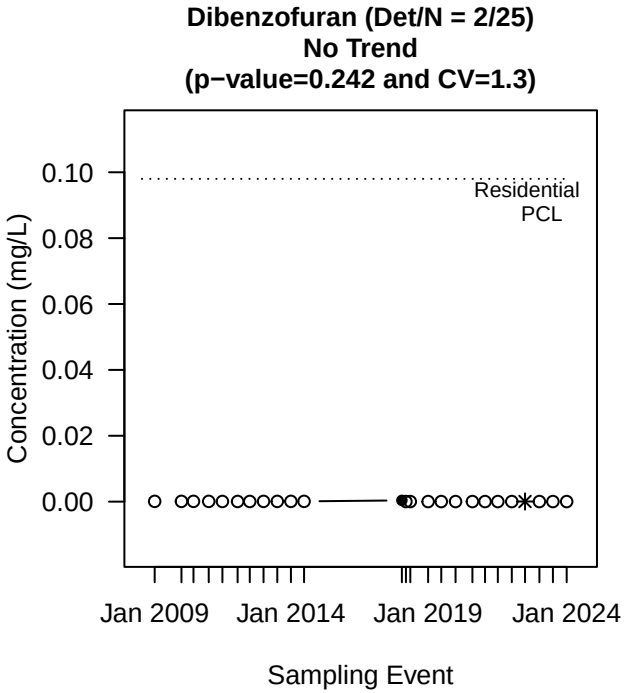
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

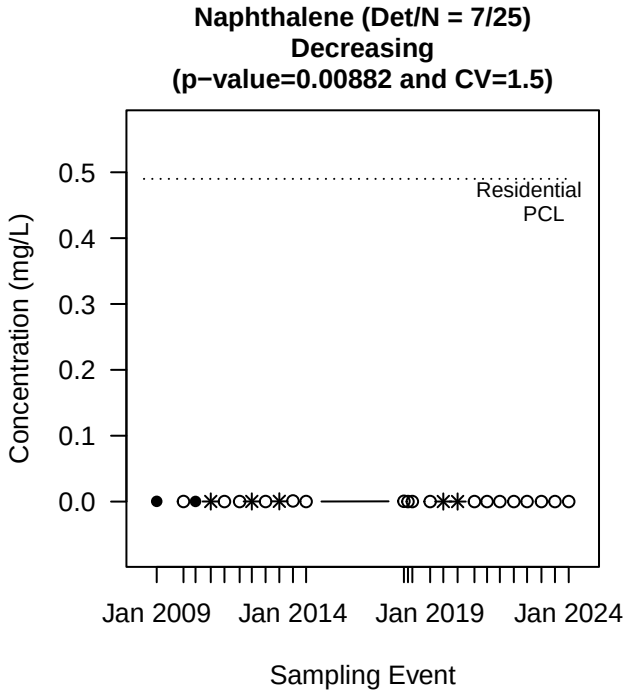
Mann−Kendall Trend Tests for MW−27C

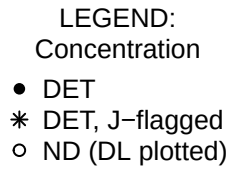








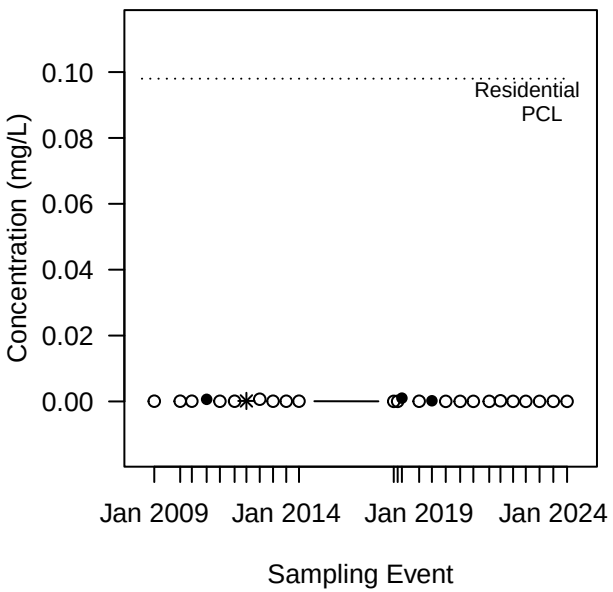




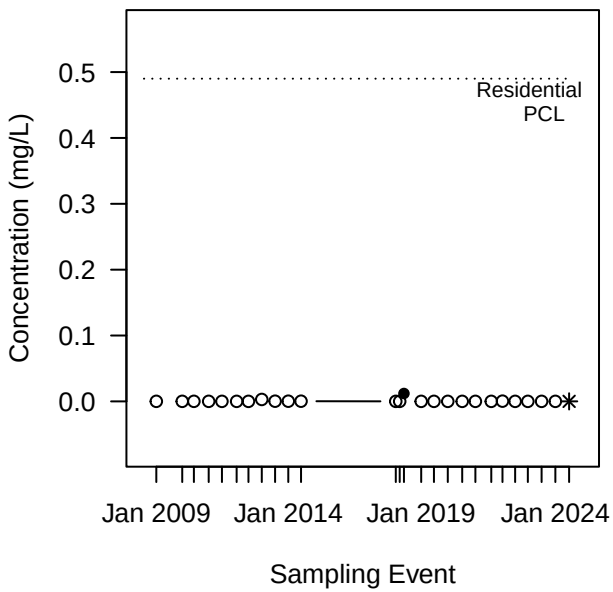
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−28A

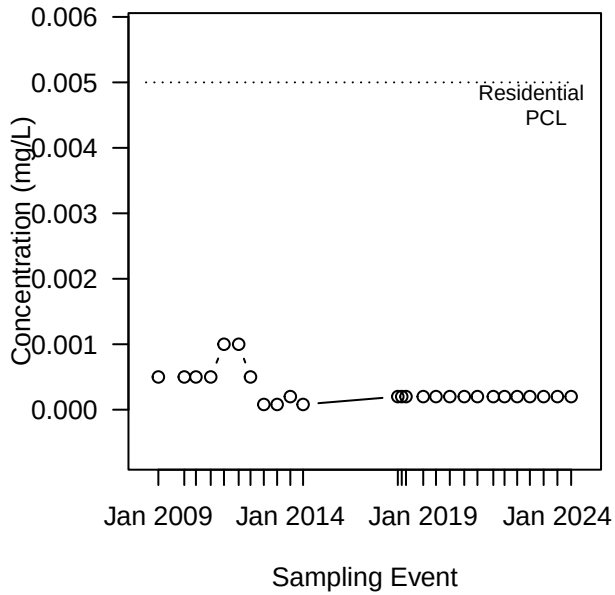
2−Methylnaphthalene (Det/N = 4/26)
No Trend
(p−value=0.188 and CV=1.7)



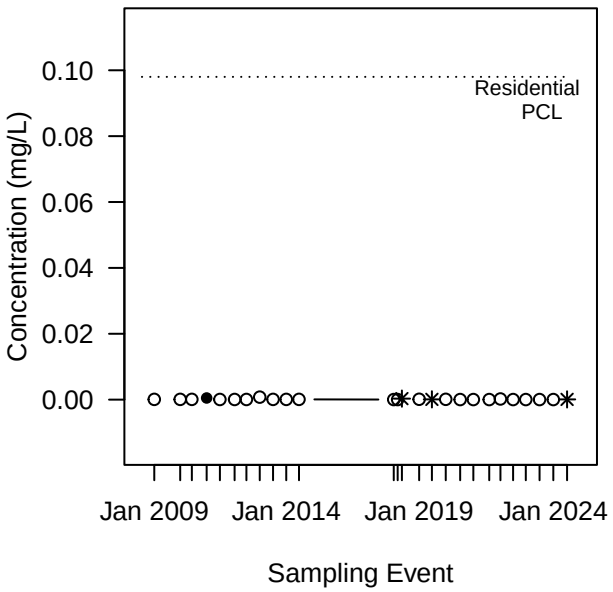
2,4−Dimethylphenol (Det/N = 2/26)
No Trend
(p−value=0.124 and CV=3.6)



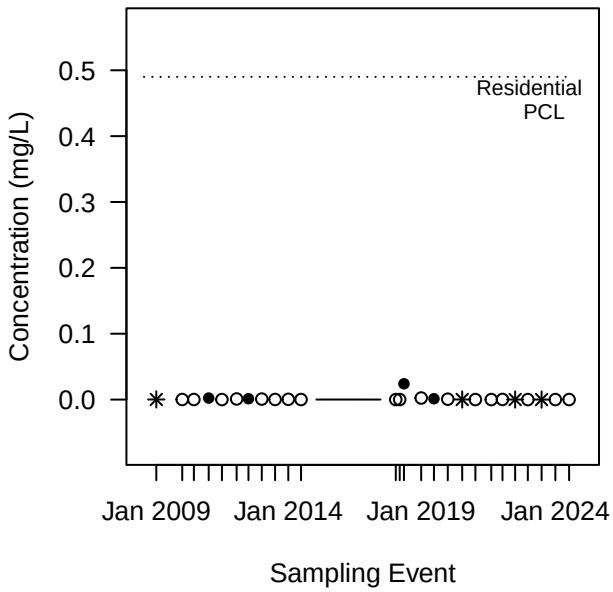
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/26)
No Trend
(p−value=0.43 and CV=1.5)



Naphthalene (Det/N = 8/26)
No Trend
(p−value=0.313 and CV=3.4)

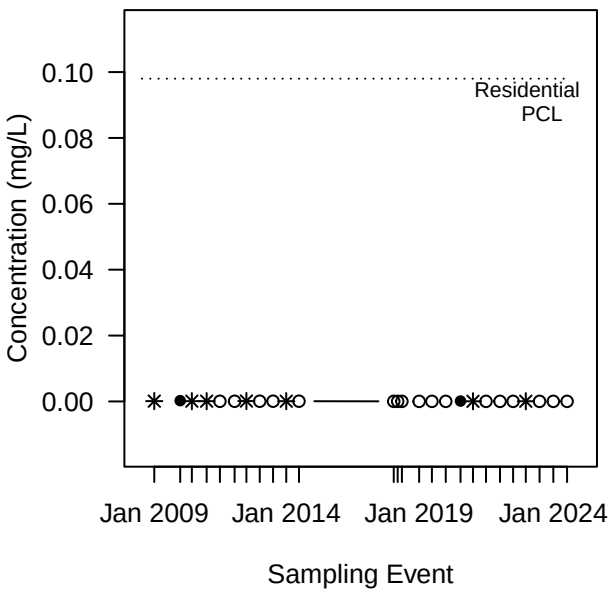


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

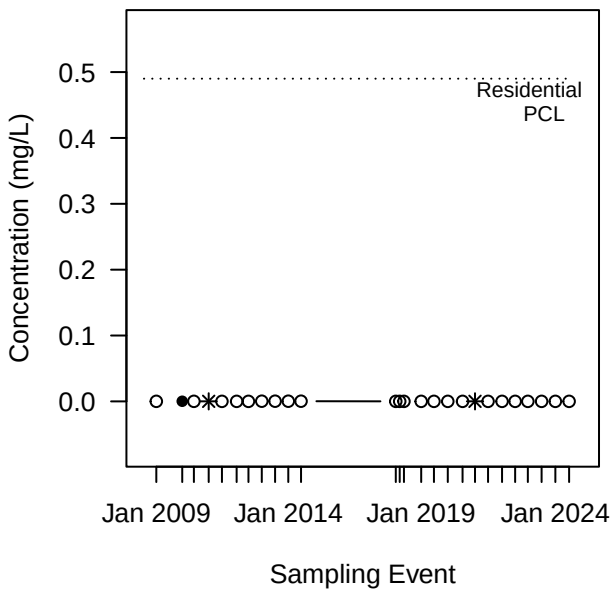
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−28C

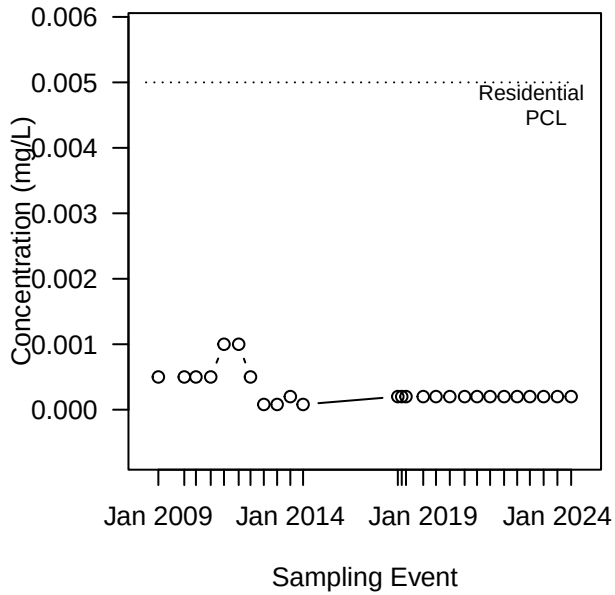
2−Methylnaphthalene (Det/N = 9/26)
Decreasing
(p−value=0.0162 and CV=0.9)



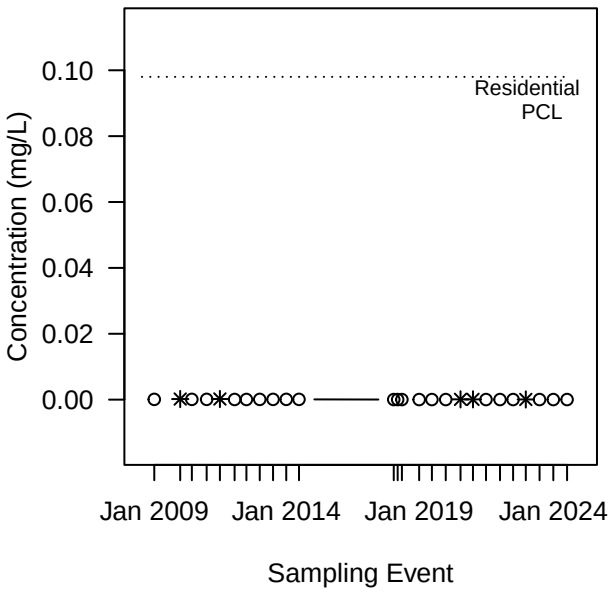
2,4−Dimethylphenol (Det/N = 3/26)
Probably Decreasing
(p−value=0.0934 and CV=1)



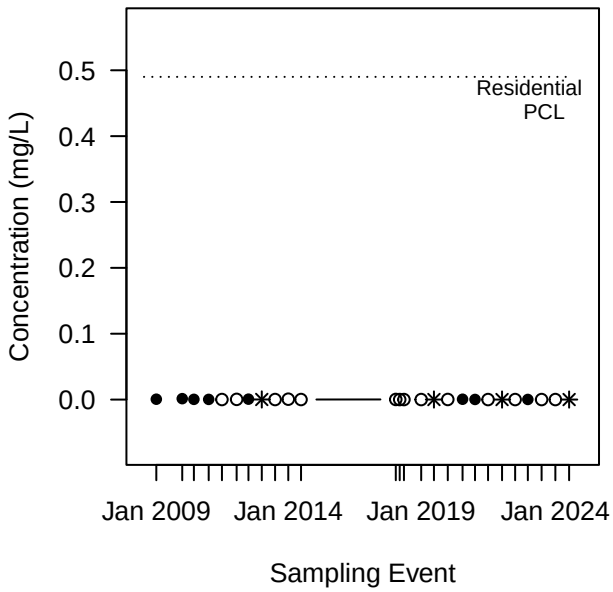
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/26)
Stable
(p−value=0.398 and CV=0.82)



Naphthalene (Det/N = 12/26)
Probably Decreasing
(p−value=0.0588 and CV=1.3)

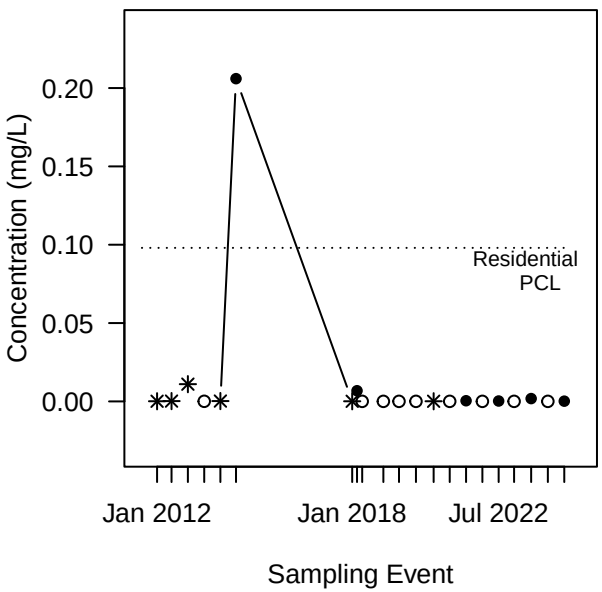


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

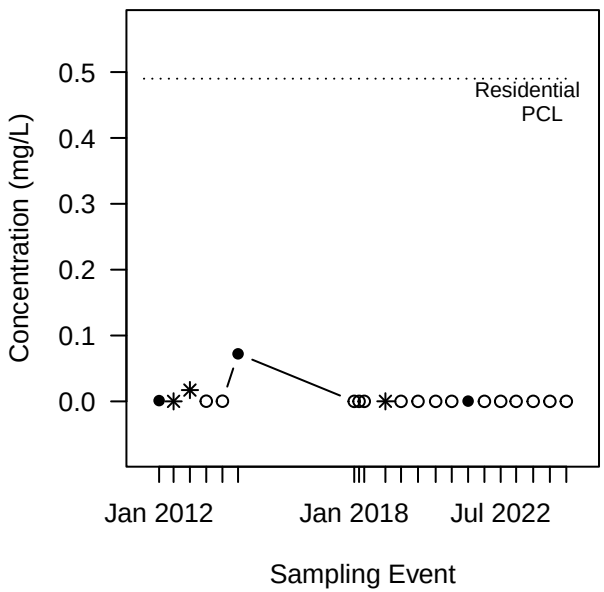
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−32AR

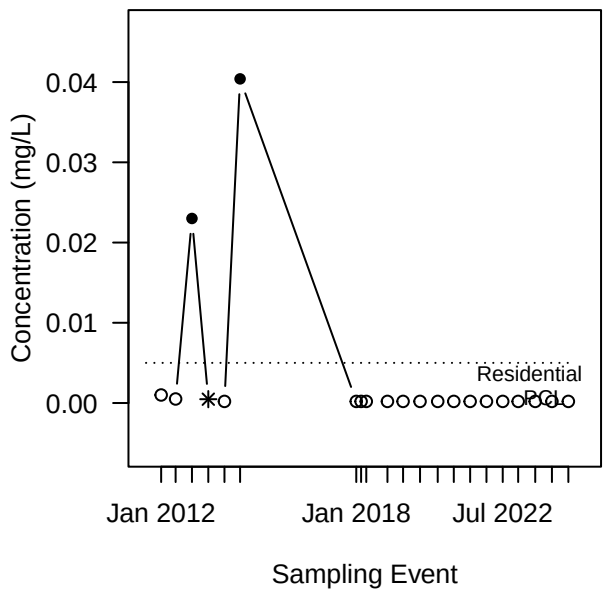
2−Methylnaphthalene (Det/N = 12/21)
No Trend
(p−value=0.206 and CV=4.1)



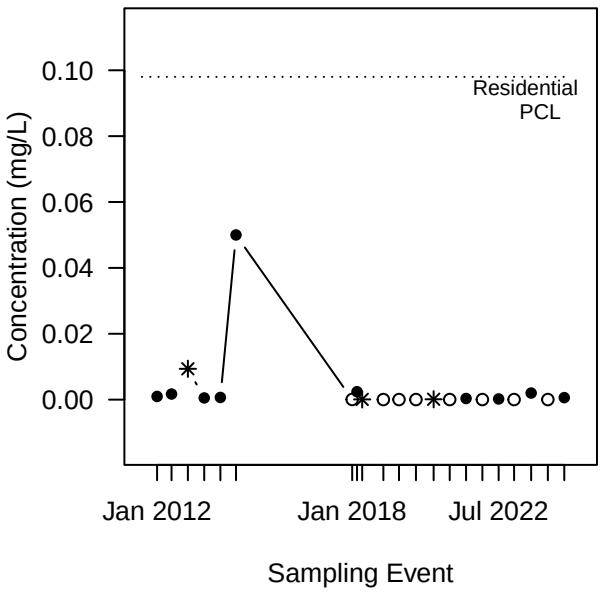
2,4−Dimethylphenol (Det/N = 6/21)
Decreasing
(p−value=0.0164 and CV=3.6)



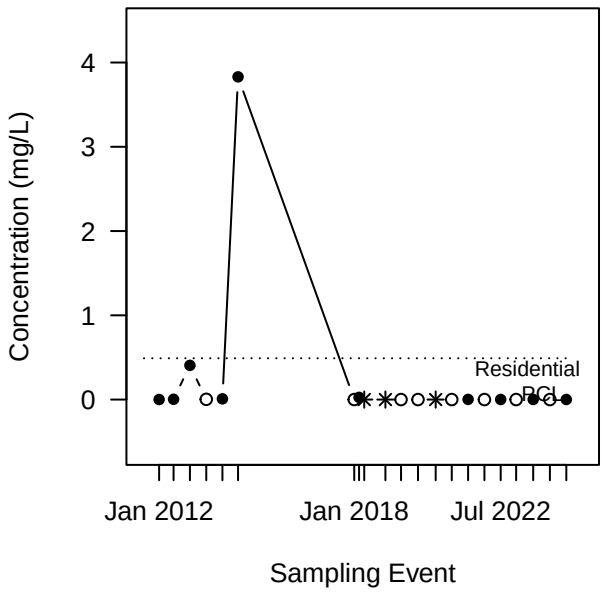
Benzene (Det/N = 3/21)
Decreasing
(p−value=0.0287 and CV=3)



Dibenzofuran (Det/N = 13/21)
Decreasing
(p−value=0.0434 and CV=3.3)



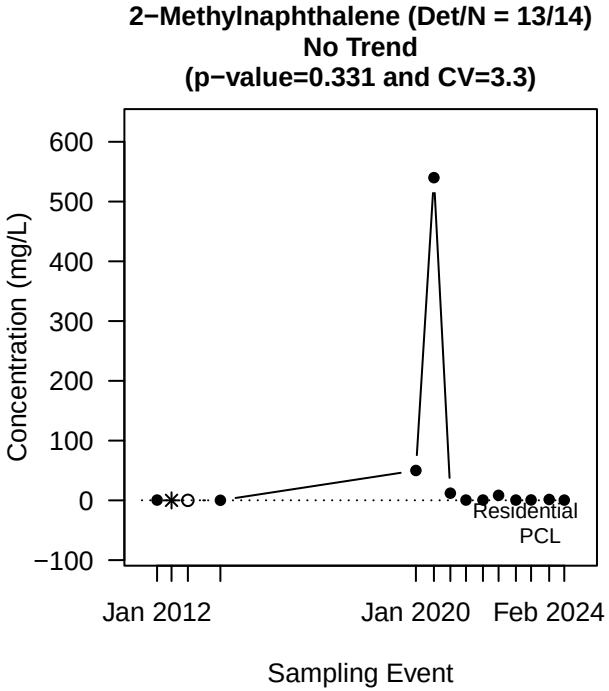
Naphthalene (Det/N = 13/21)
No Trend
(p−value=0.101 and CV=4.1)

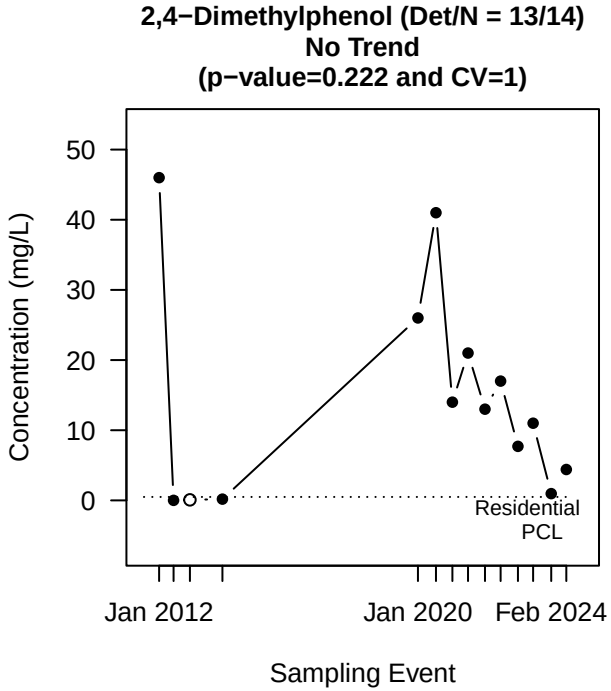


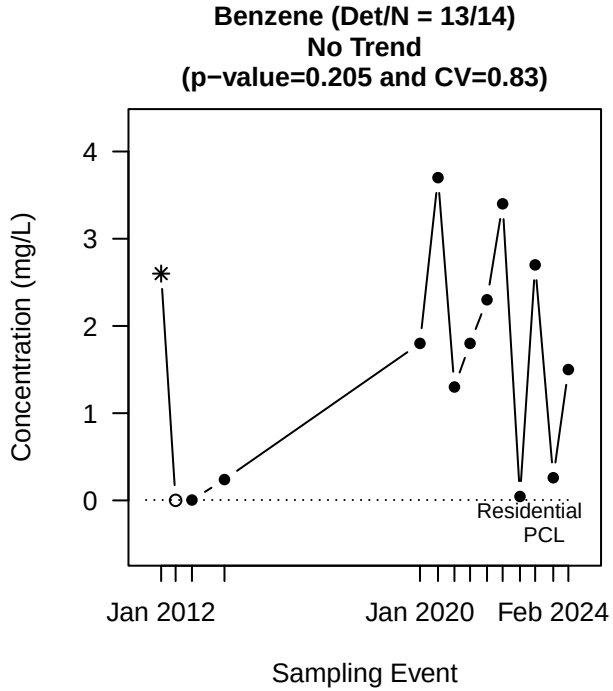
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

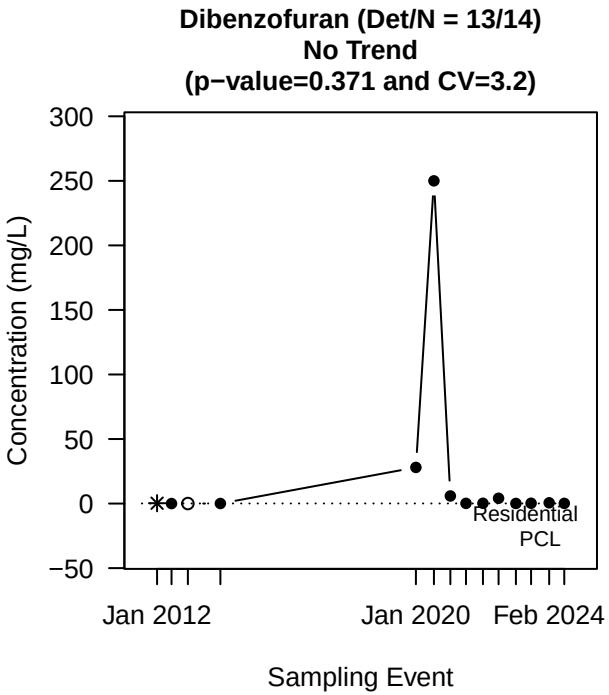
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

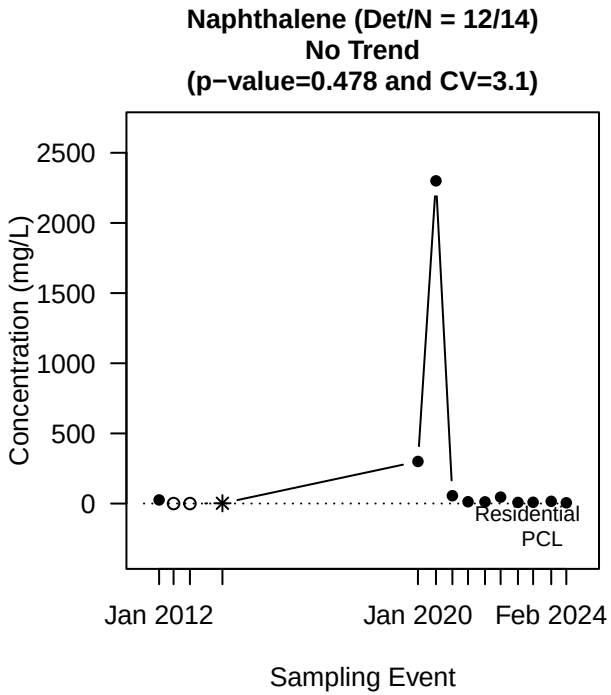
Mann−Kendall Trend Tests for MW−32B







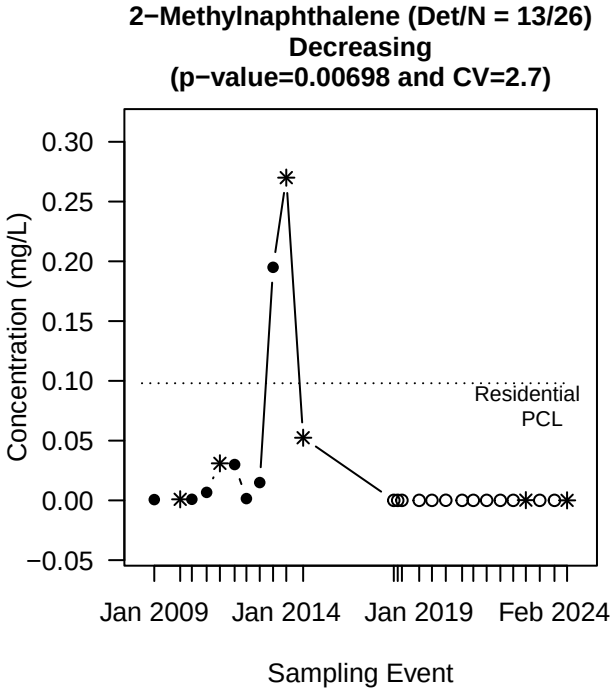


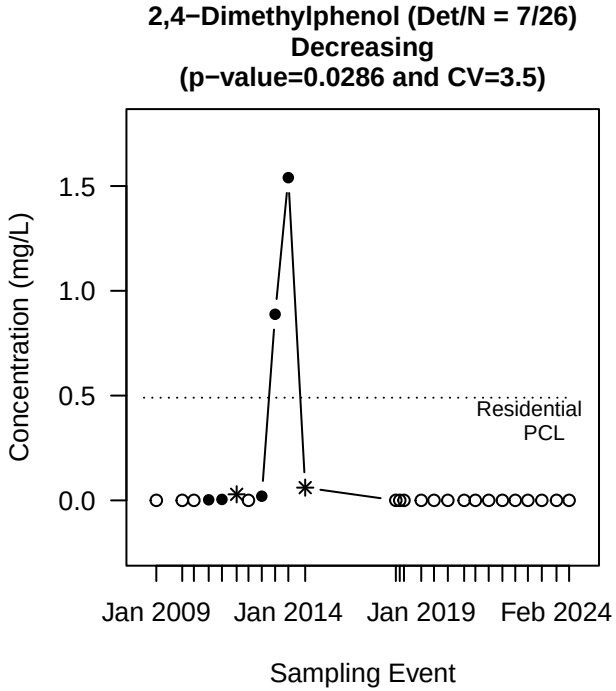


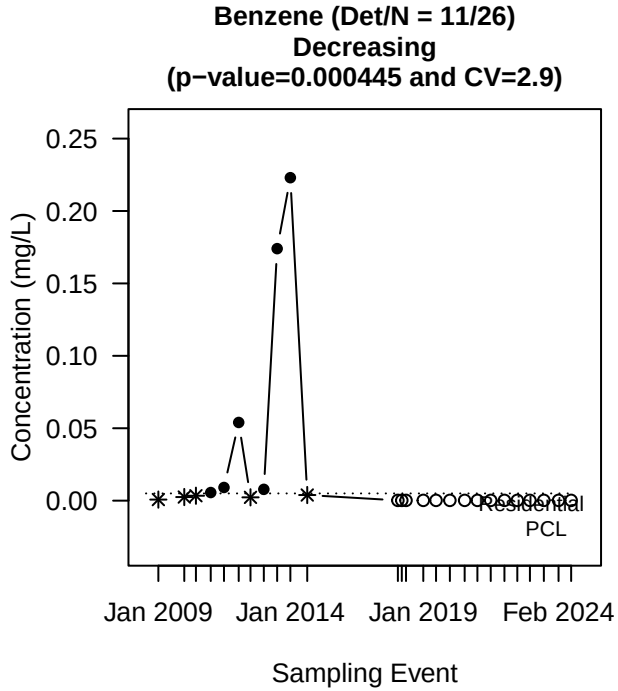
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

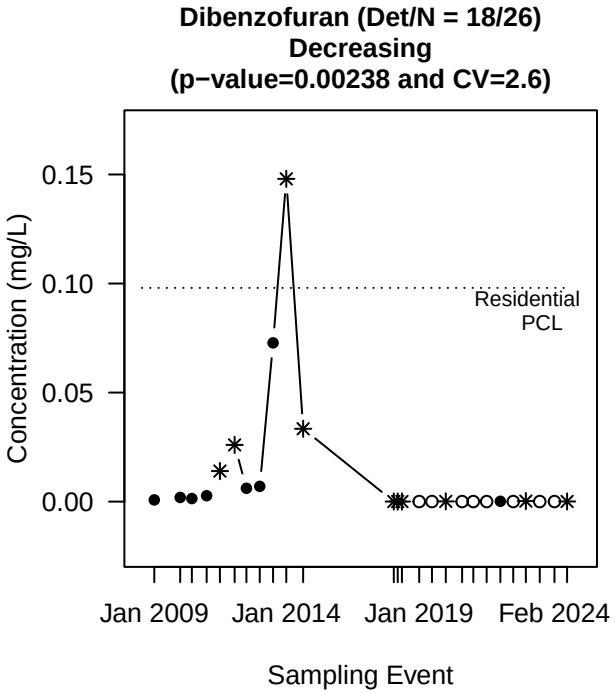
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

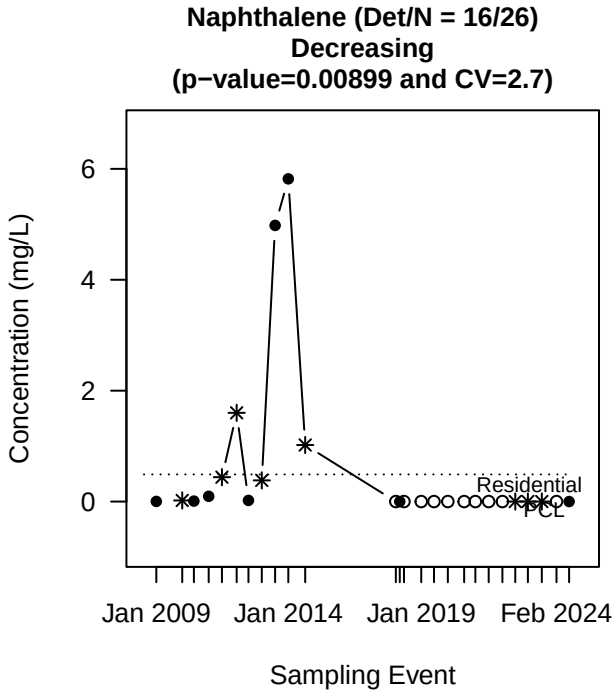
Mann−Kendall Trend Tests for MW−33A

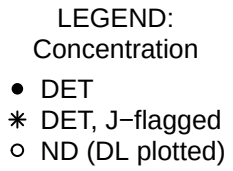






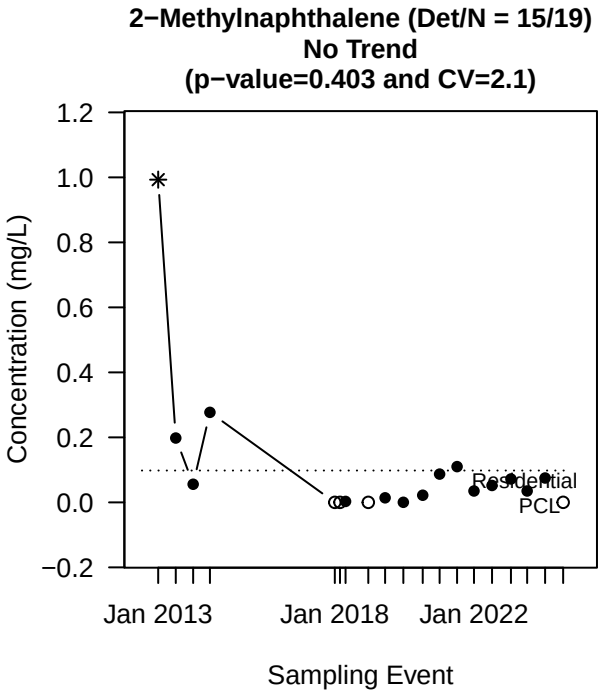


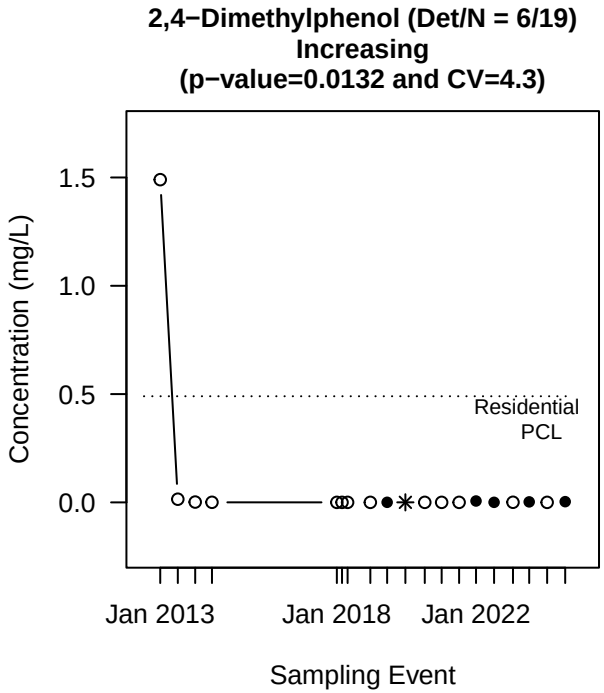


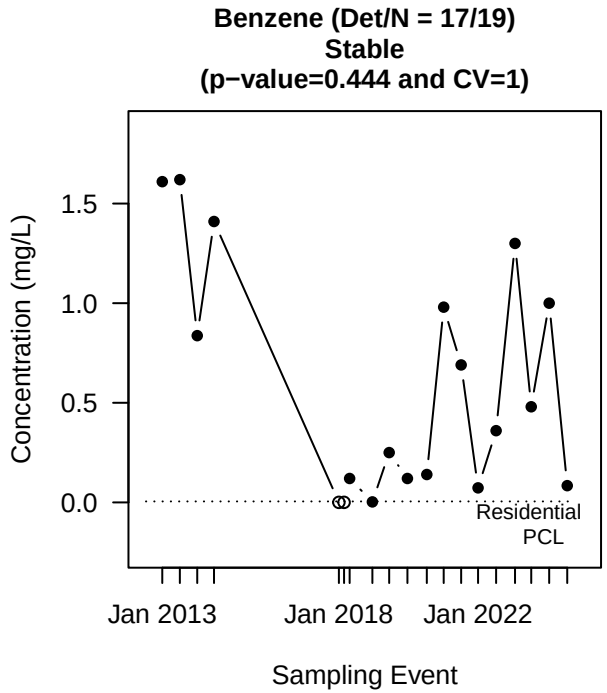


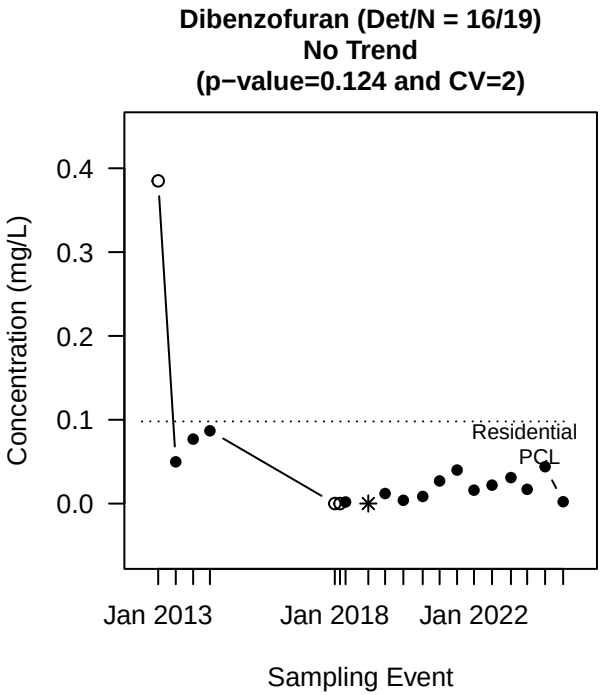
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

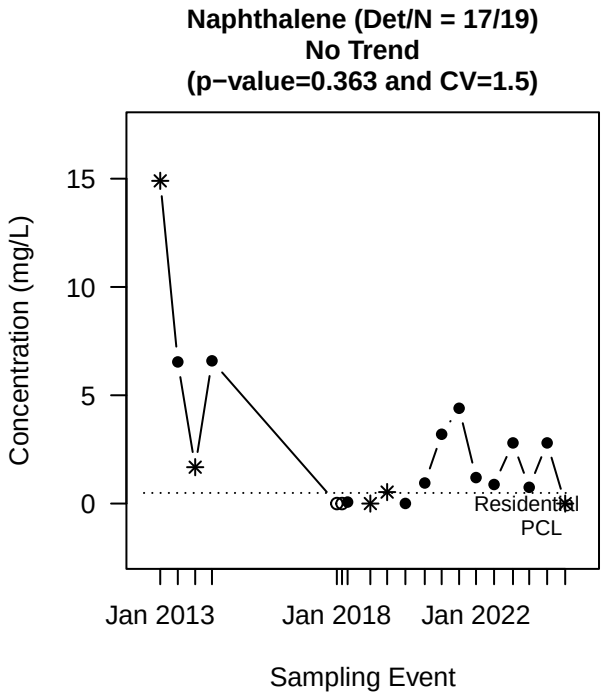
Mann−Kendall Trend Tests for MW−33BR







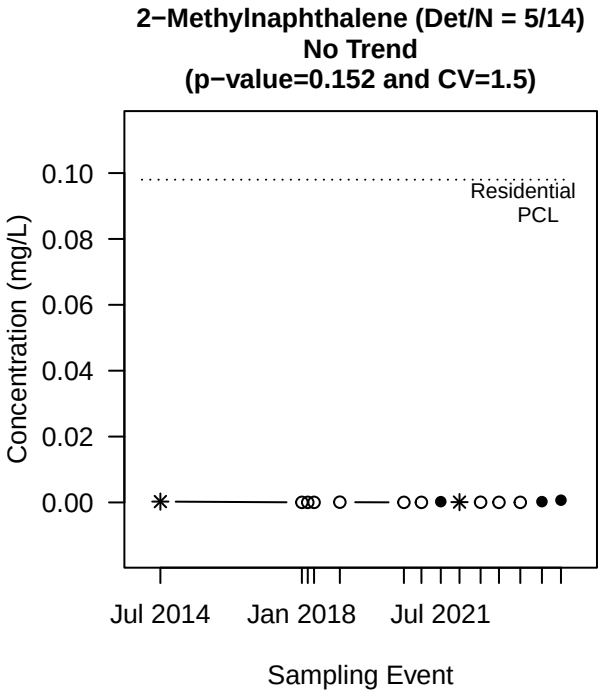


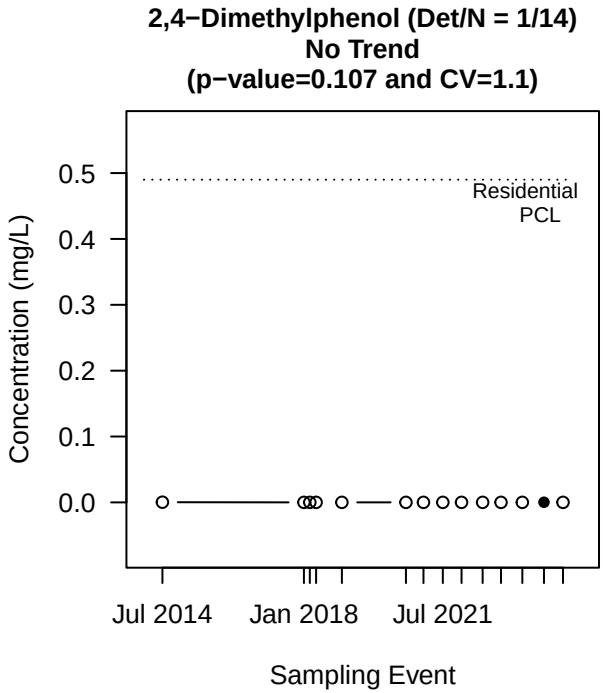


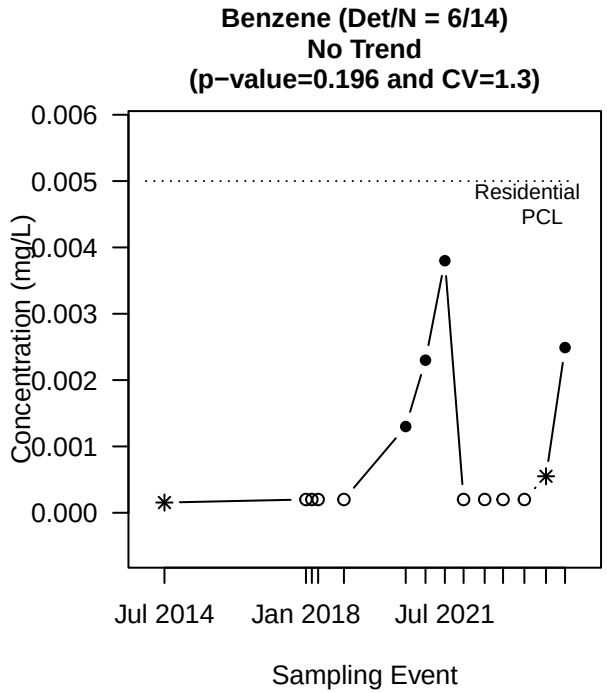
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

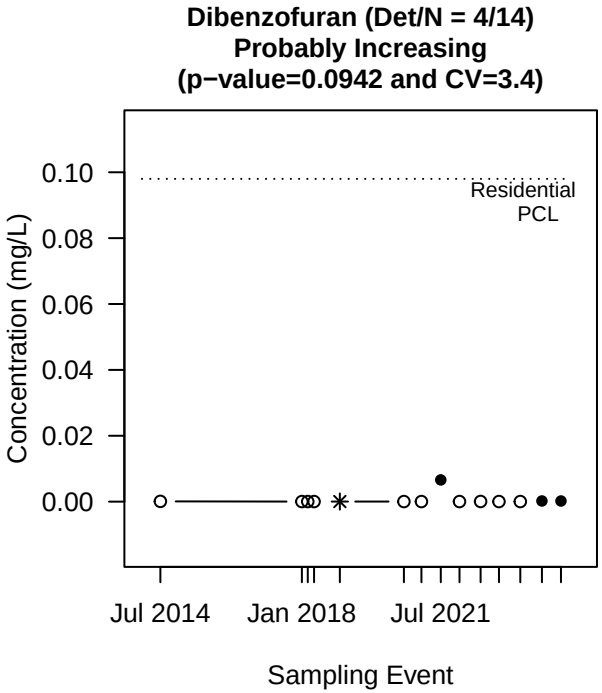
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

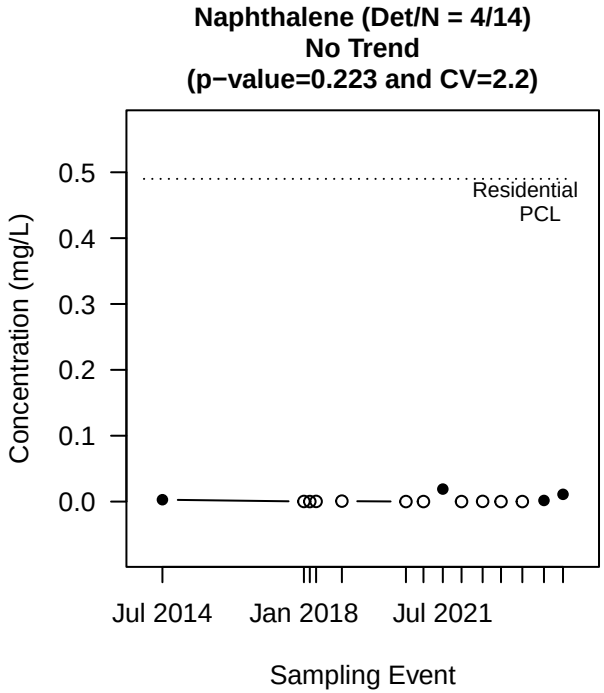
Mann−Kendall Trend Tests for MW−34CR

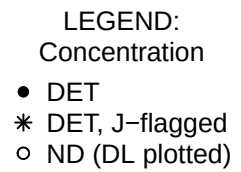








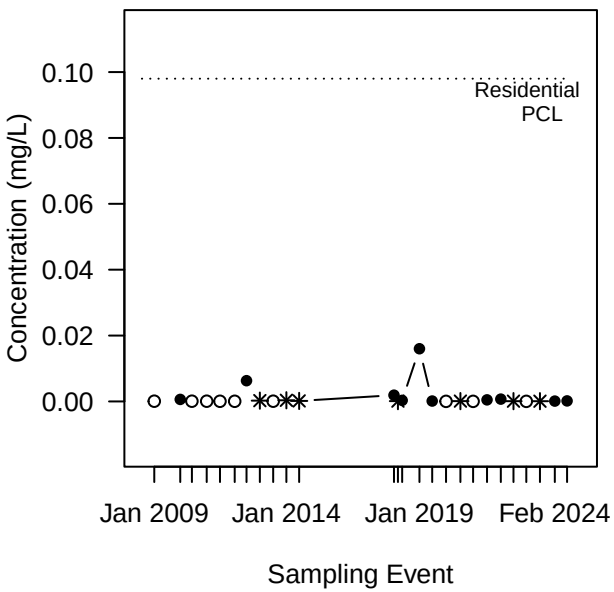




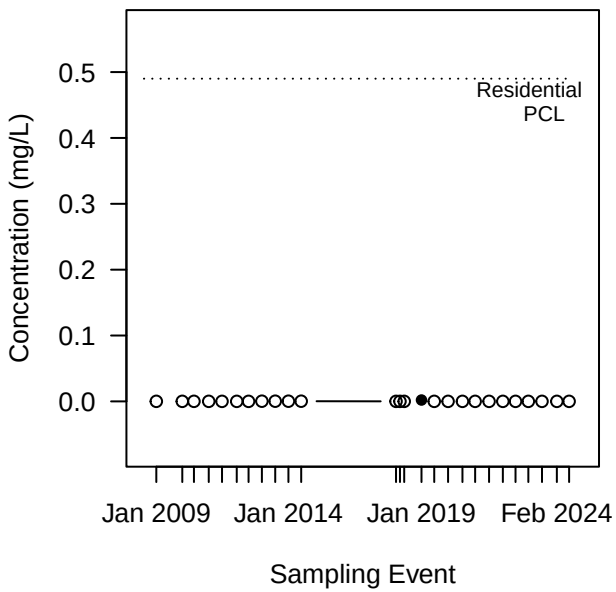
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−35A

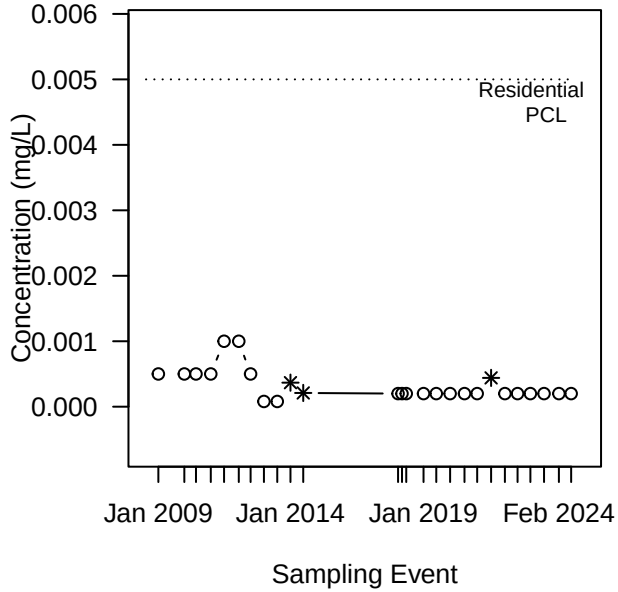
2−Methylnaphthalene (Det/N = 17/26)
No Trend
(p−value=0.302 and CV=3)



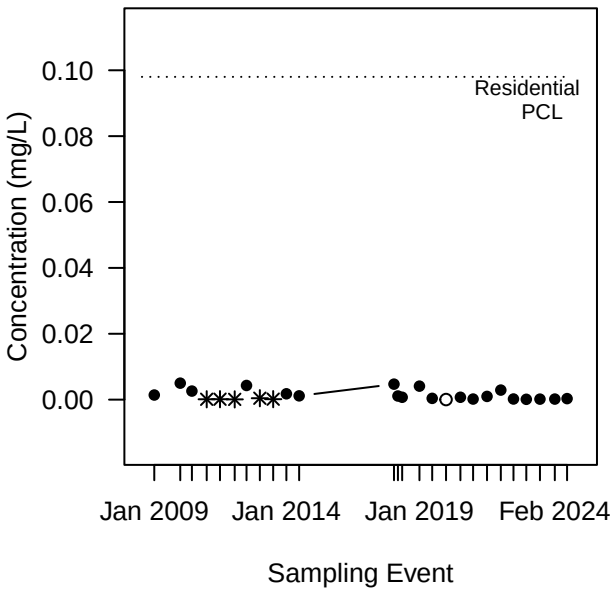
2,4−Dimethylphenol (Det/N = 1/26)
No Trend
(p−value=0.447 and CV=2.4)



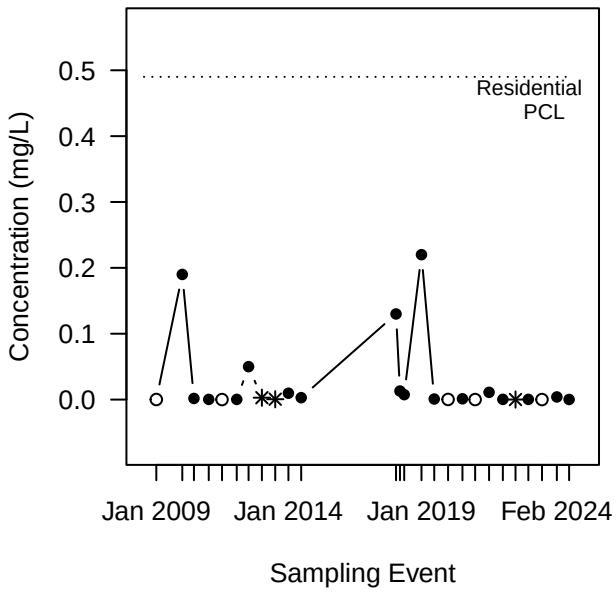
Benzene (Det/N = 3/26)
No Trend
(p−value=0.484 and CV=0.73)



Dibenzofuran (Det/N = 25/26)
Probably Decreasing
(p−value=0.0759 and CV=1.2)



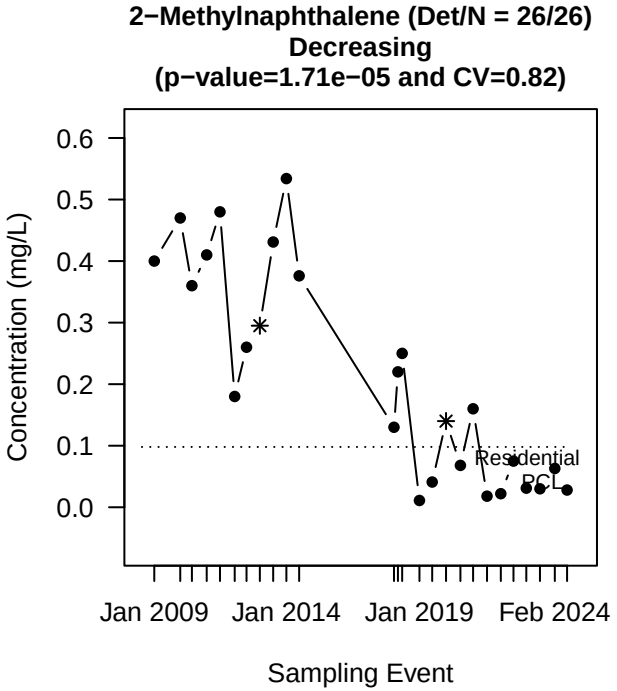
Naphthalene (Det/N = 21/26)
No Trend
(p−value=0.213 and CV=2.4)

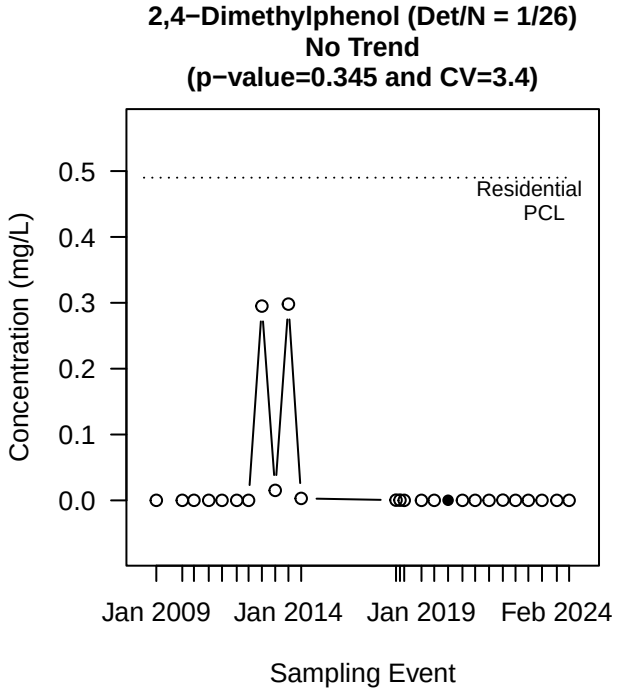


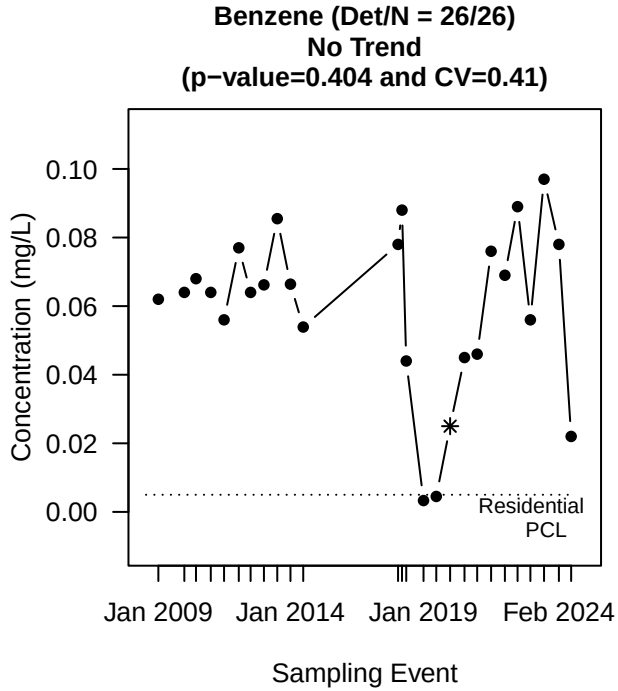
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

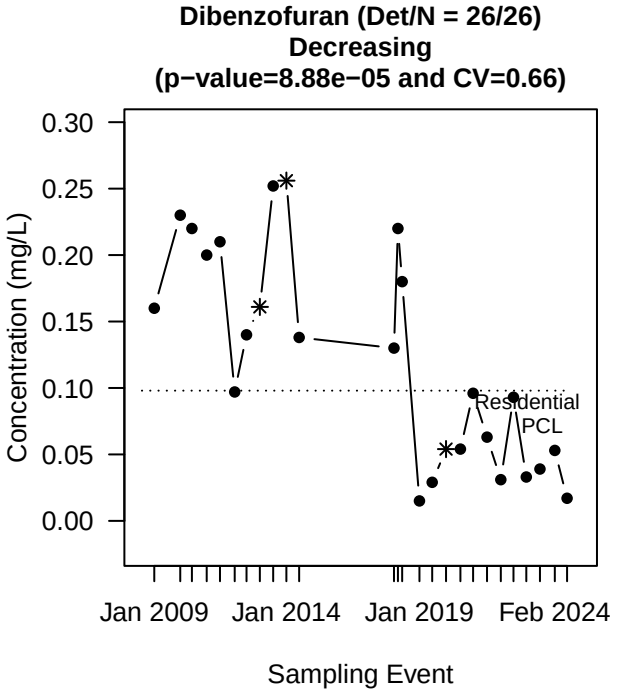
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

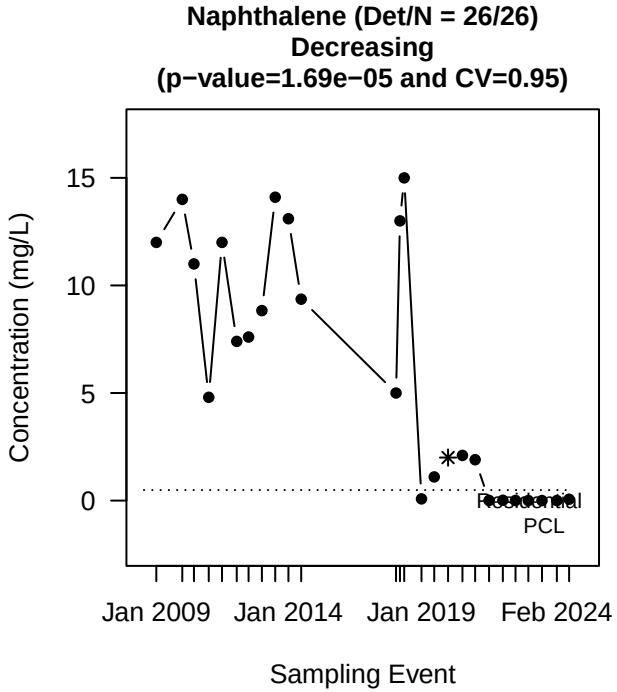
Mann−Kendall Trend Tests for MW−35B







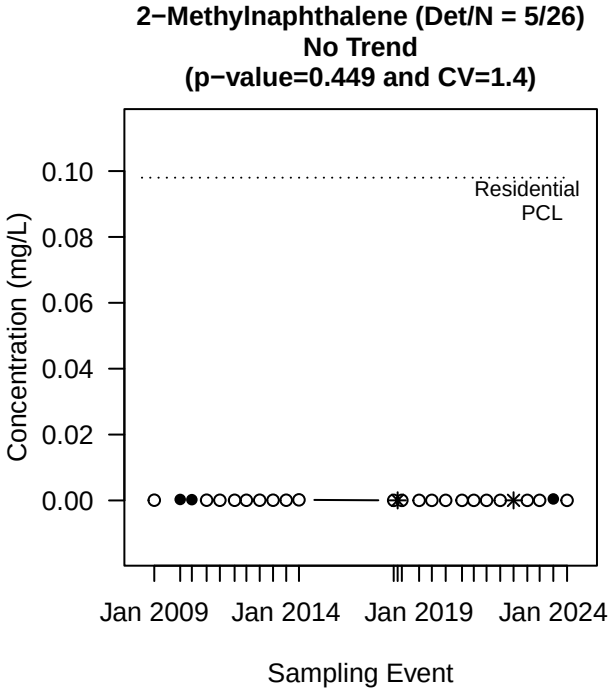


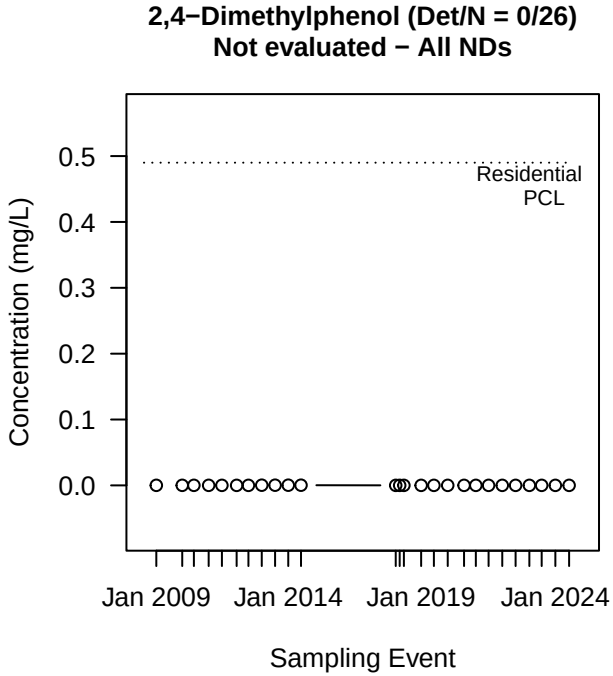


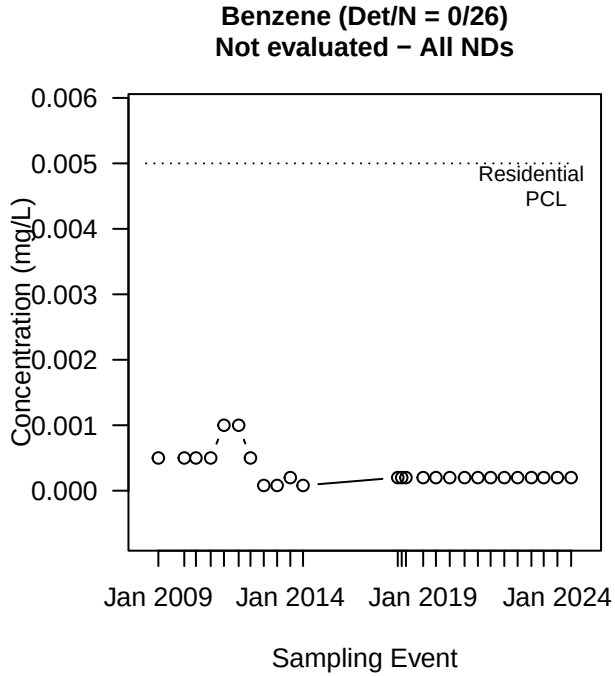
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

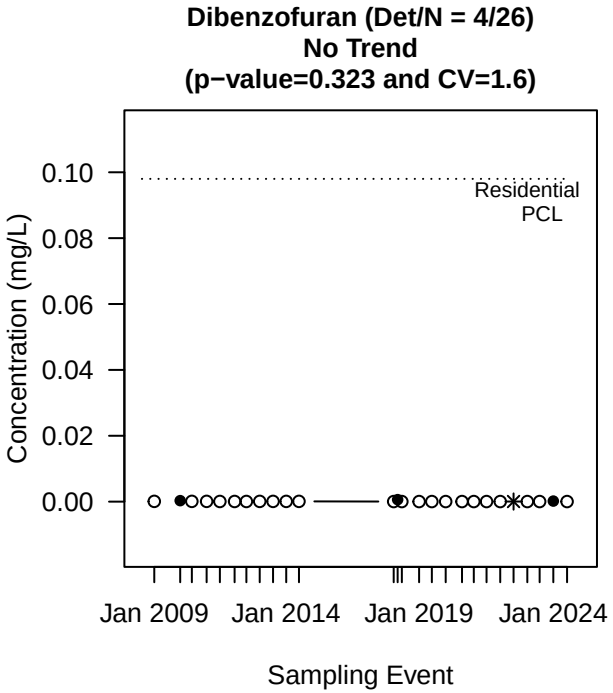
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

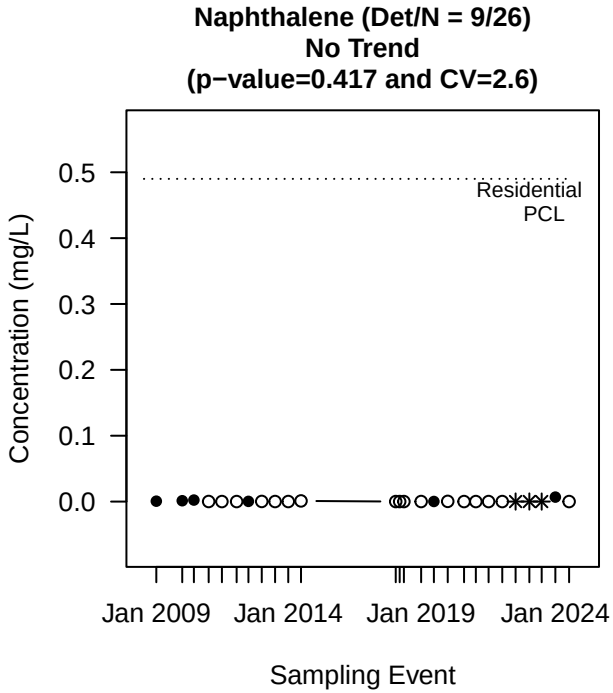
Mann−Kendall Trend Tests for MW−36A

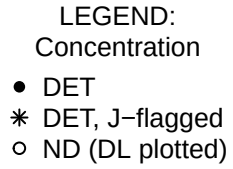






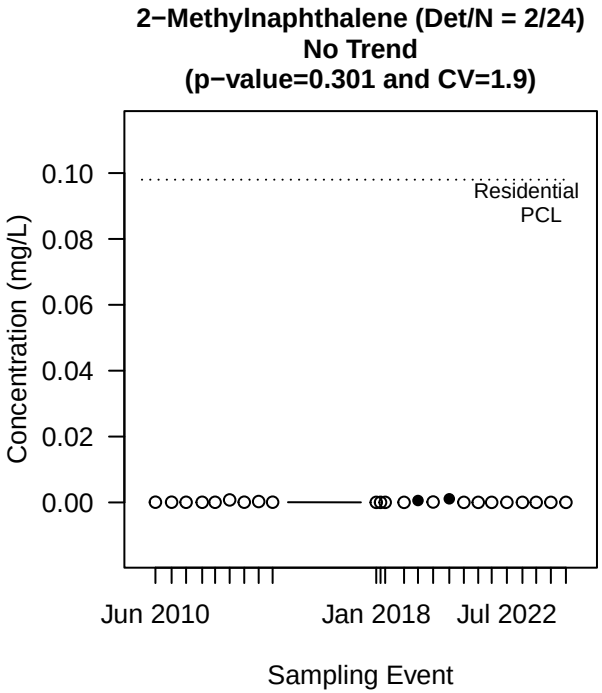


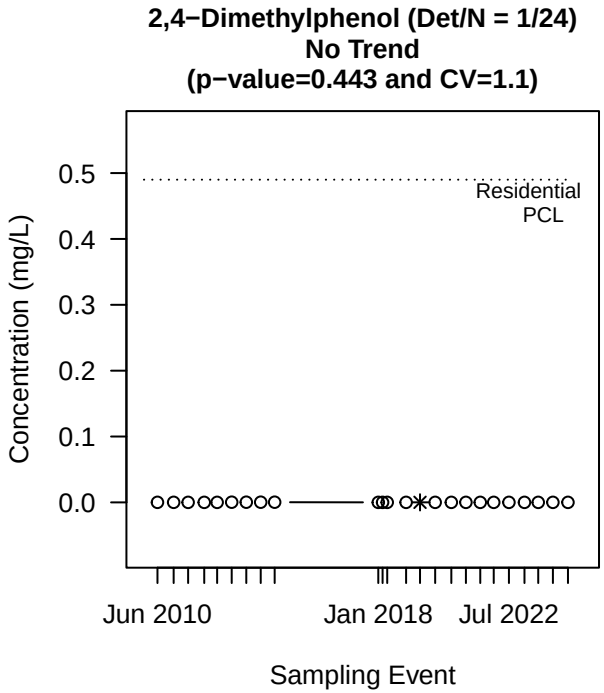


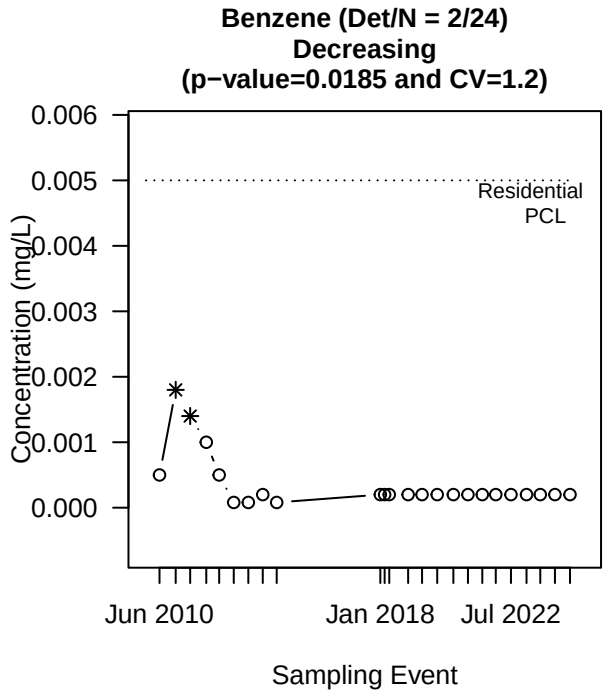


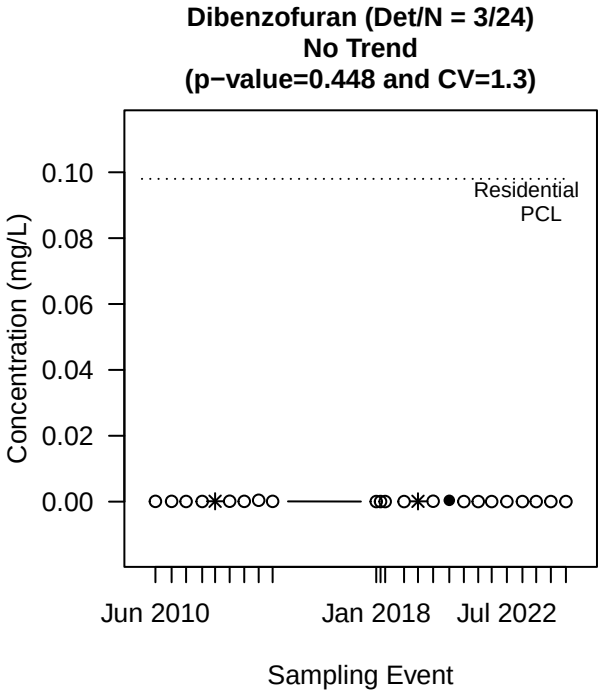
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

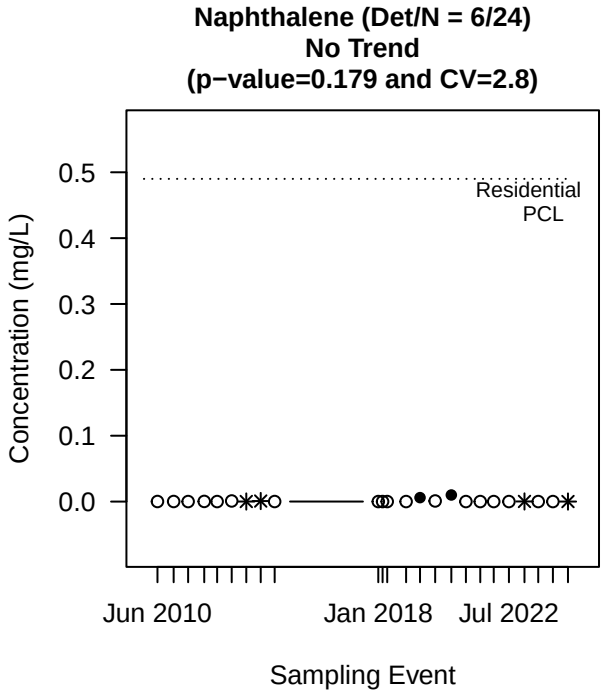
Mann−Kendall Trend Tests for MW−36B

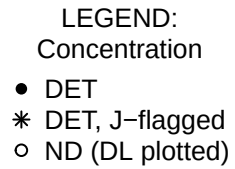






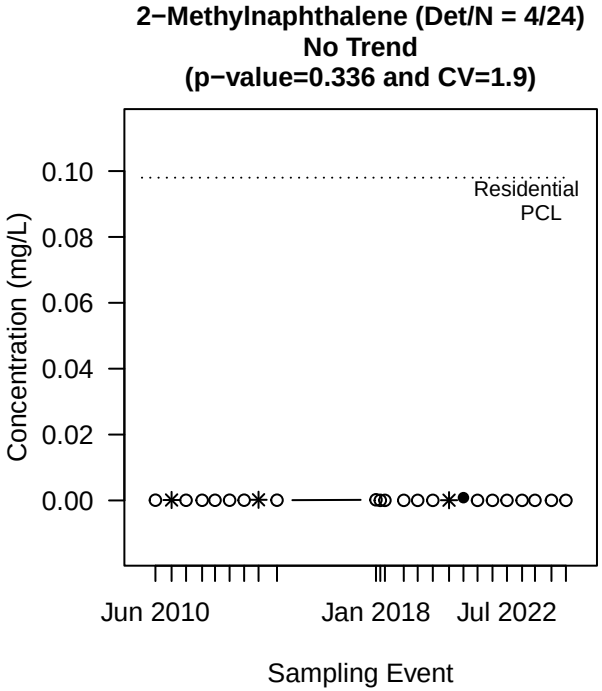


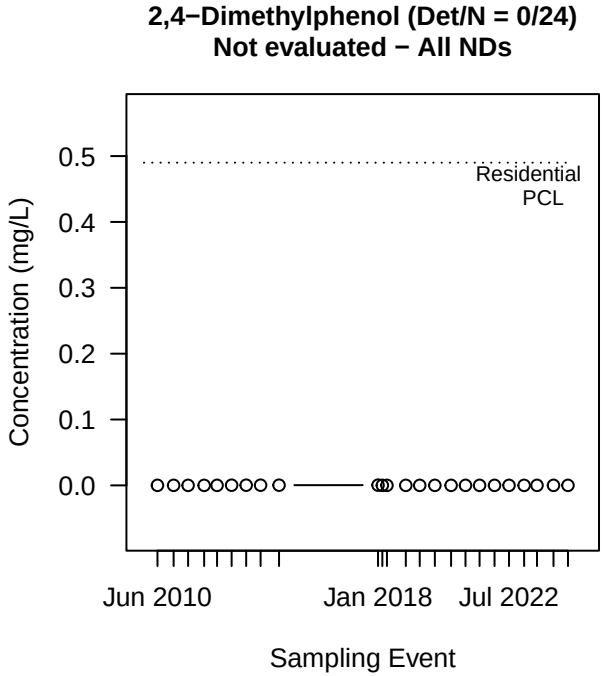


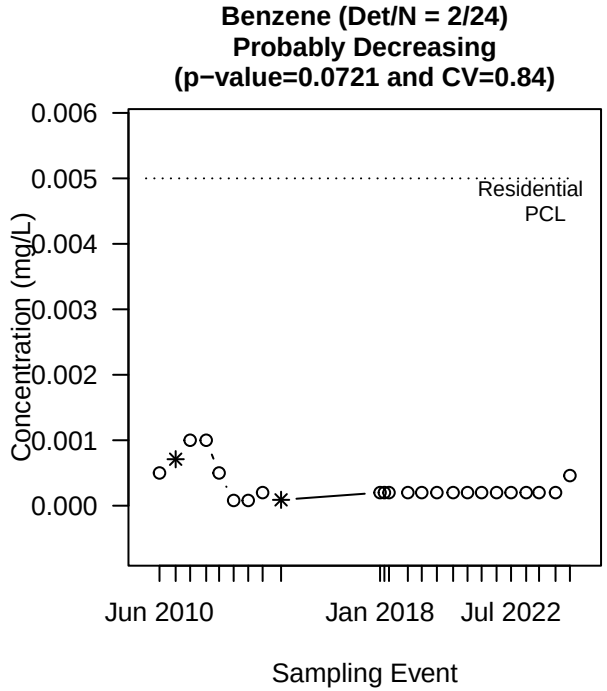


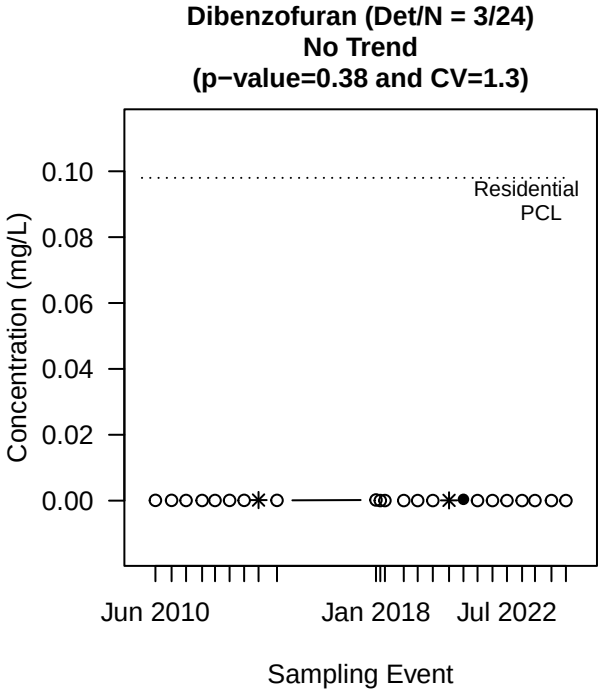
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

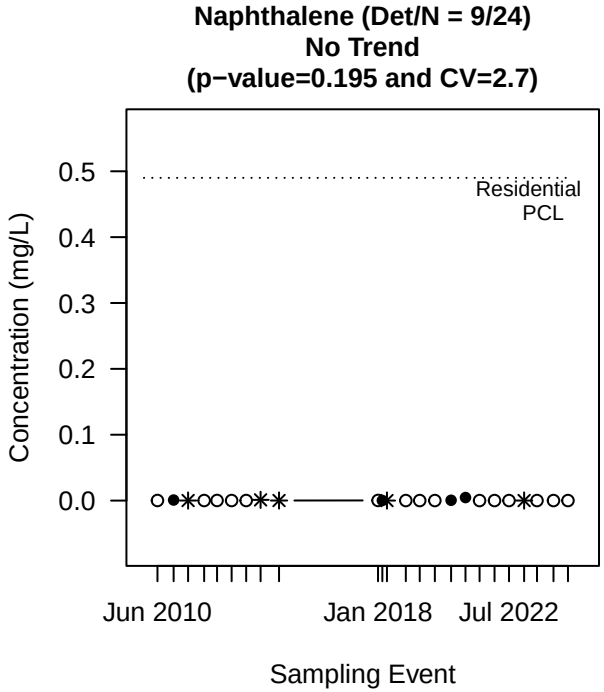
Mann−Kendall Trend Tests for MW−36D

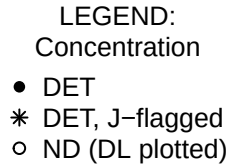








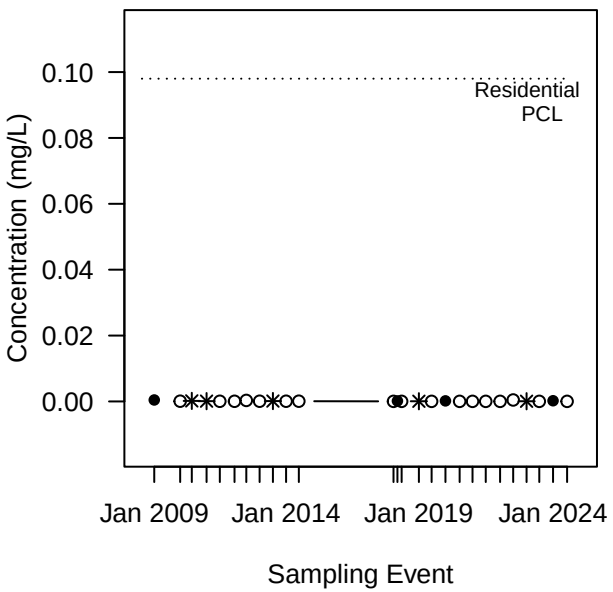




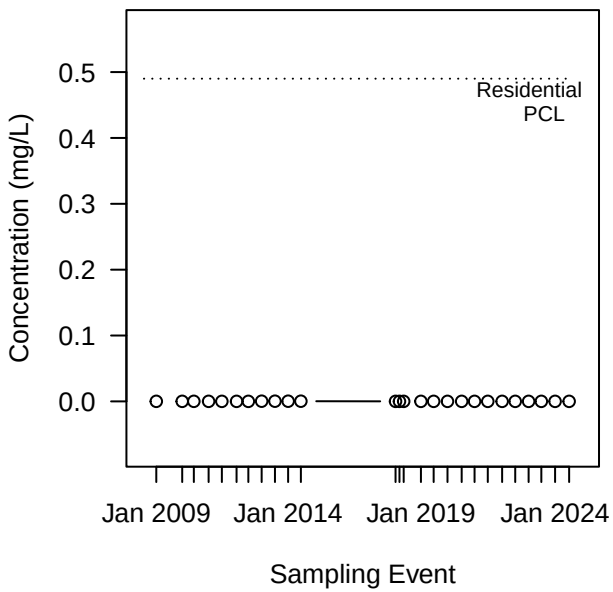
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−38A

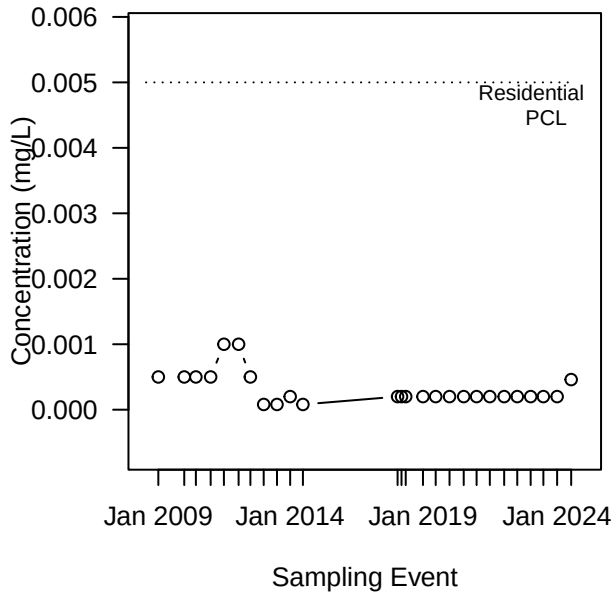
2−Methylnaphthalene (Det/N = 9/26)
No Trend
(p−value=0.249 and CV=1.2)



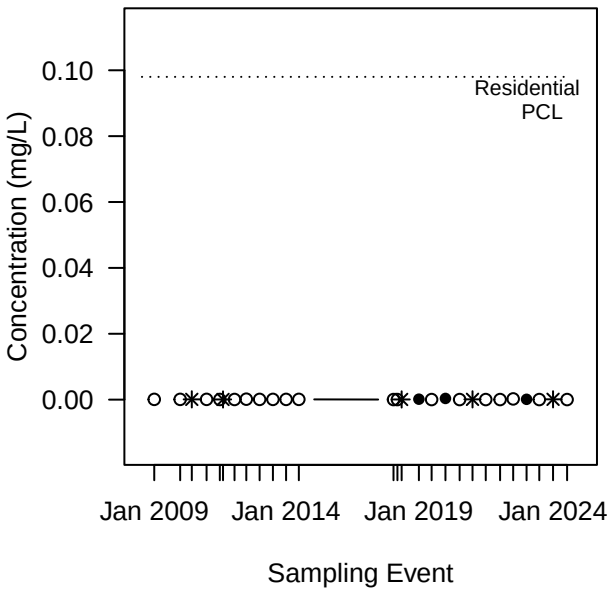
2,4−Dimethylphenol (Det/N = 0/26)
Not evaluated − All NDs



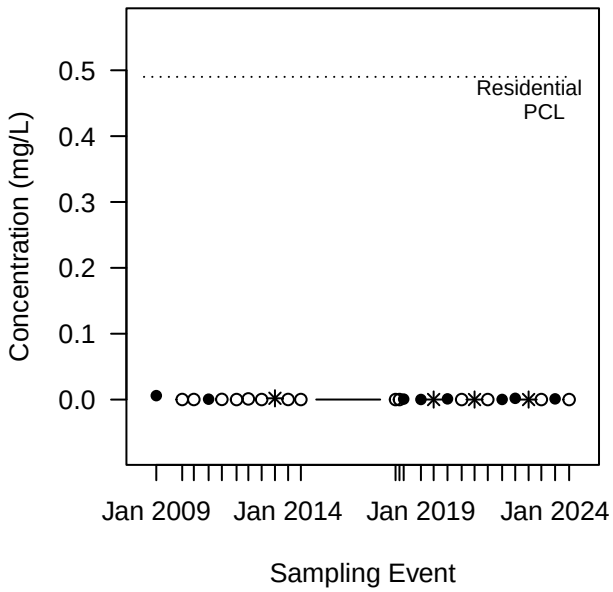
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 8/27)
No Trend
(p−value=0.144 and CV=0.92)



Naphthalene (Det/N = 12/26)
No Trend
(p−value=0.25 and CV=2)

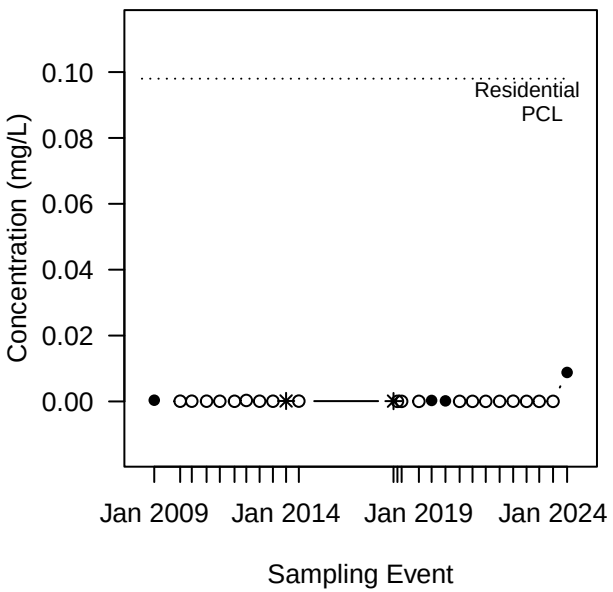


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

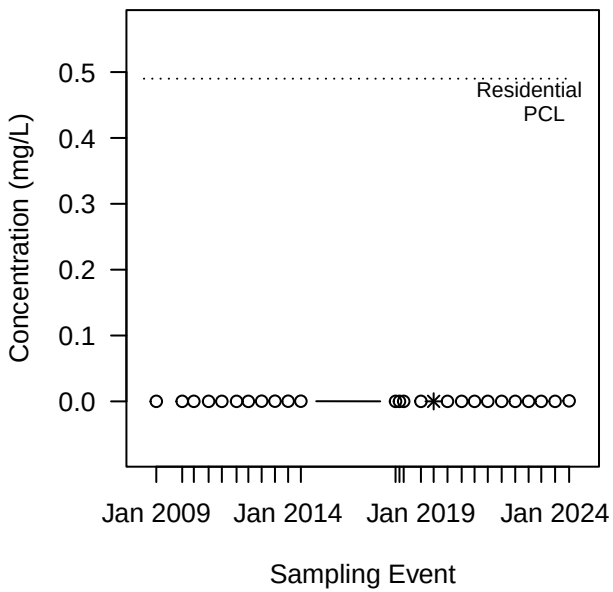
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−38B

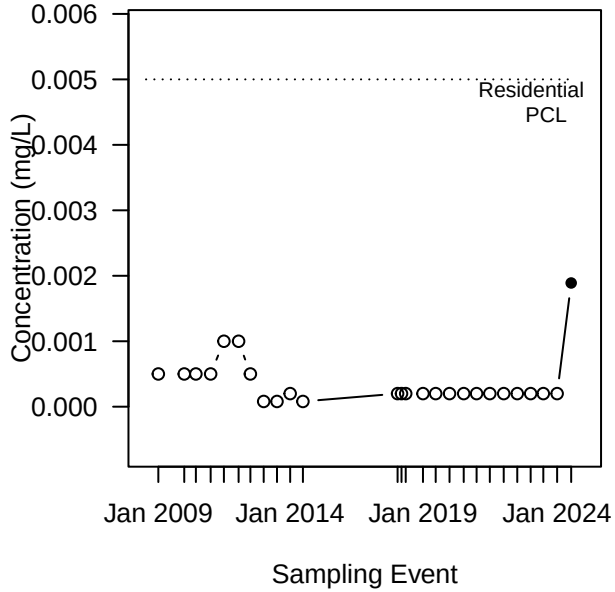
2−Methylnaphthalene (Det/N = 6/26)
No Trend
(p−value=0.452 and CV=4.1)



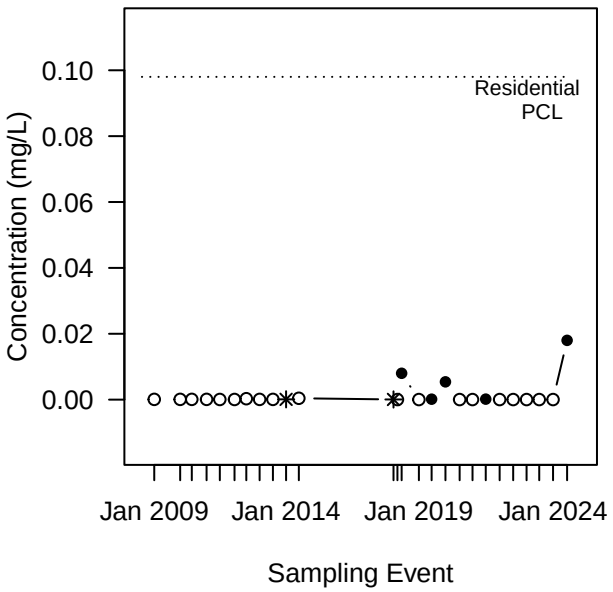
2,4−Dimethylphenol (Det/N = 1/26)
No Trend
(p−value=0.395 and CV=1.4)



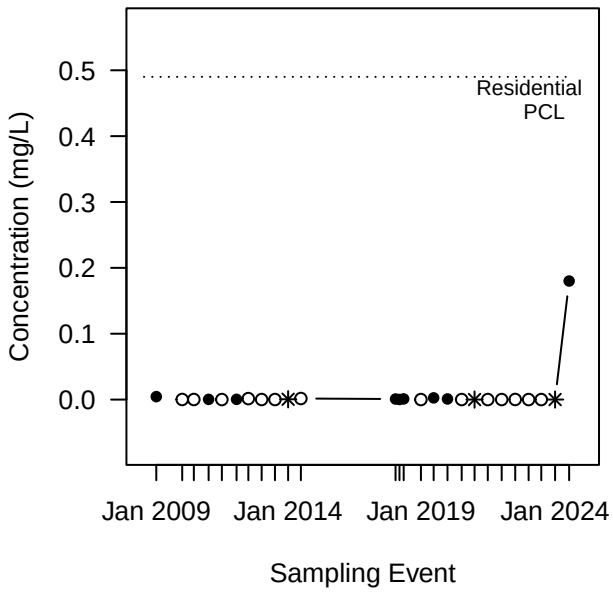
Benzene (Det/N = 1/26)
Probably Increasing
(p−value=0.0548 and CV=1.1)



Dibenzofuran (Det/N = 7/26)
Probably Increasing
(p−value=0.0739 and CV=3)



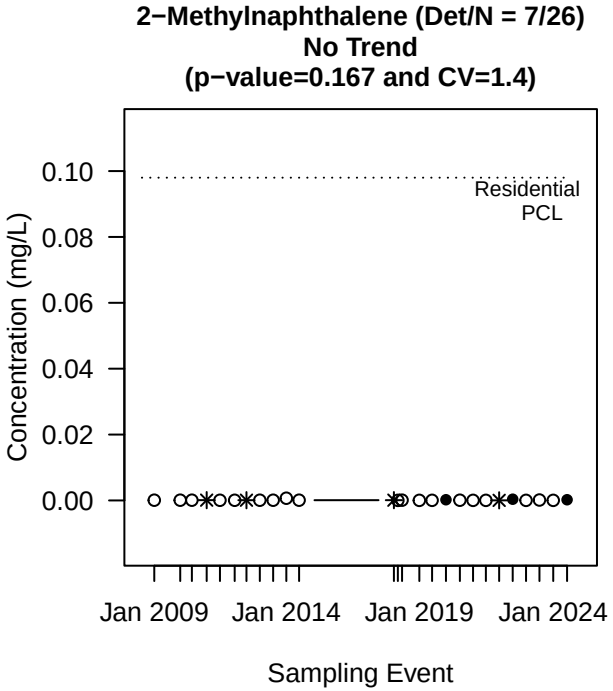
Naphthalene (Det/N = 12/26)
No Trend
(p−value=0.471 and CV=4.7)

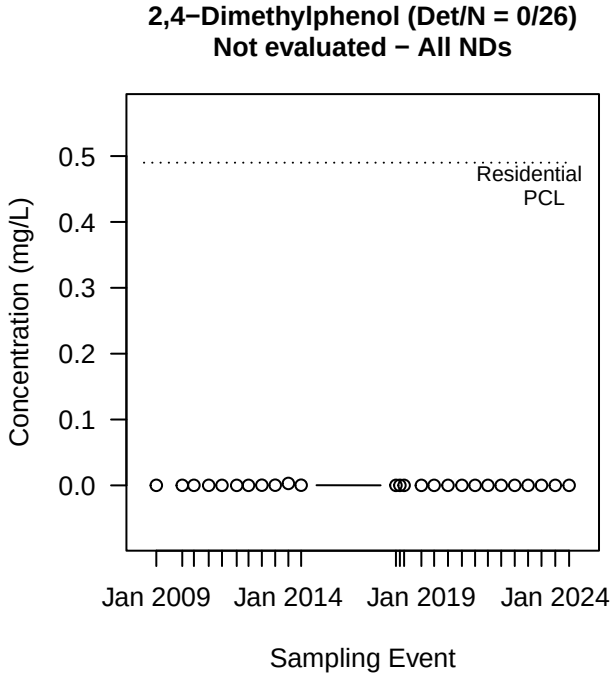


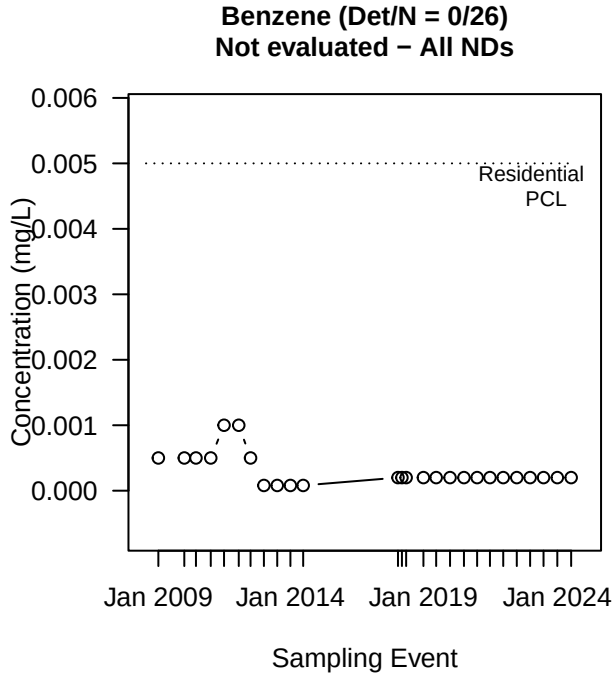
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

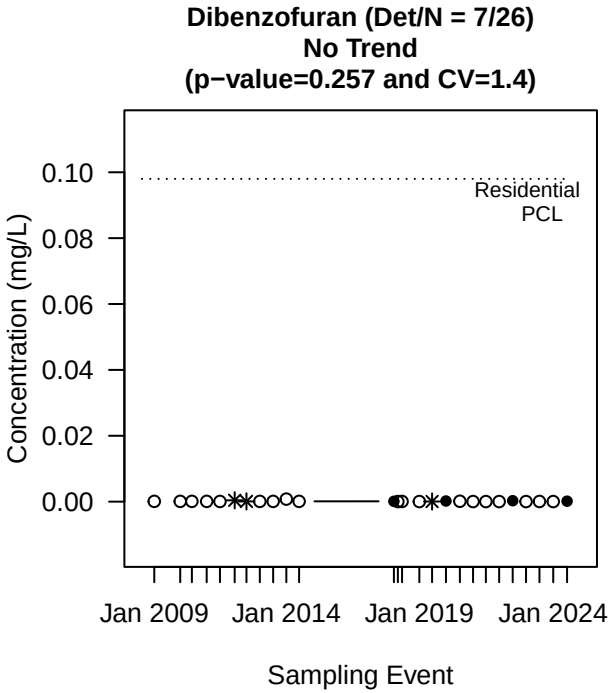
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

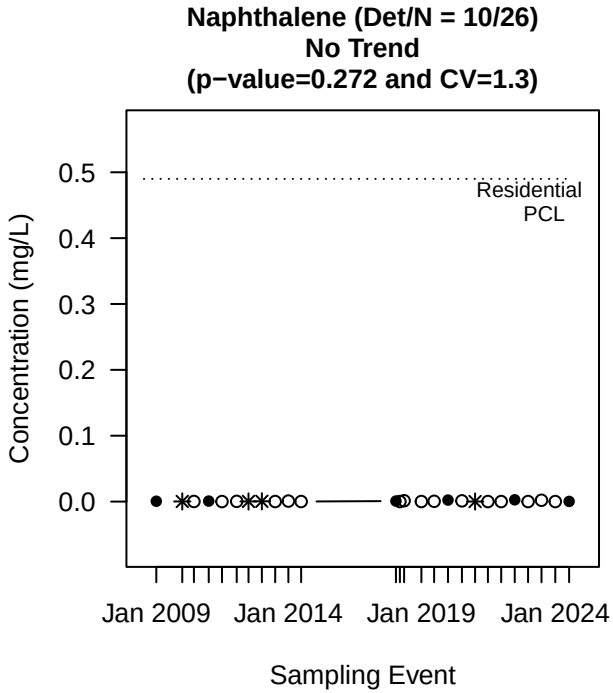
Mann−Kendall Trend Tests for MW−39B

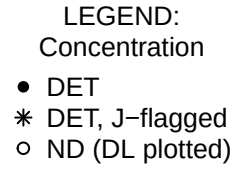






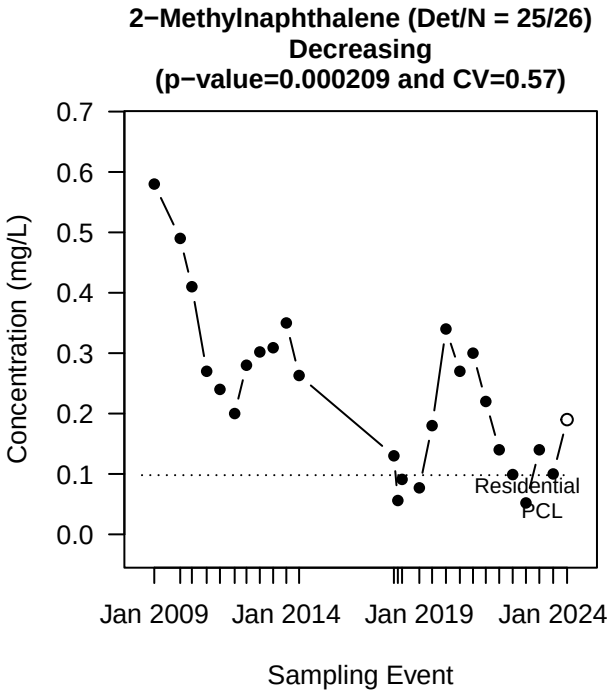


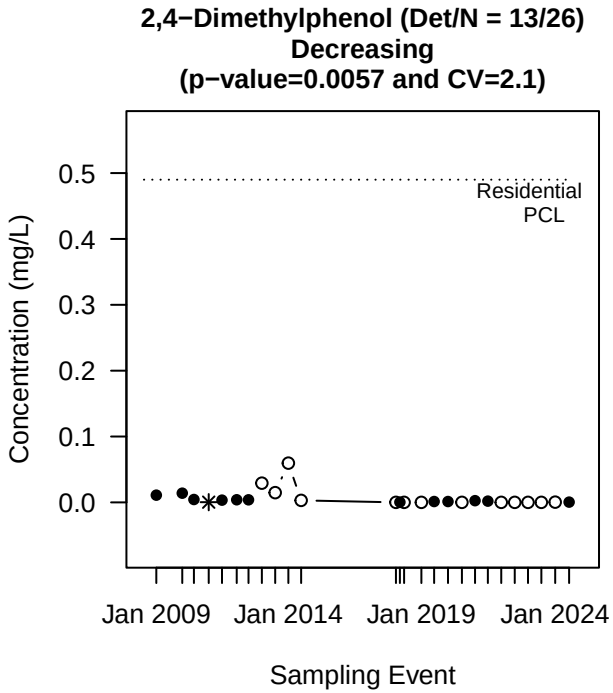


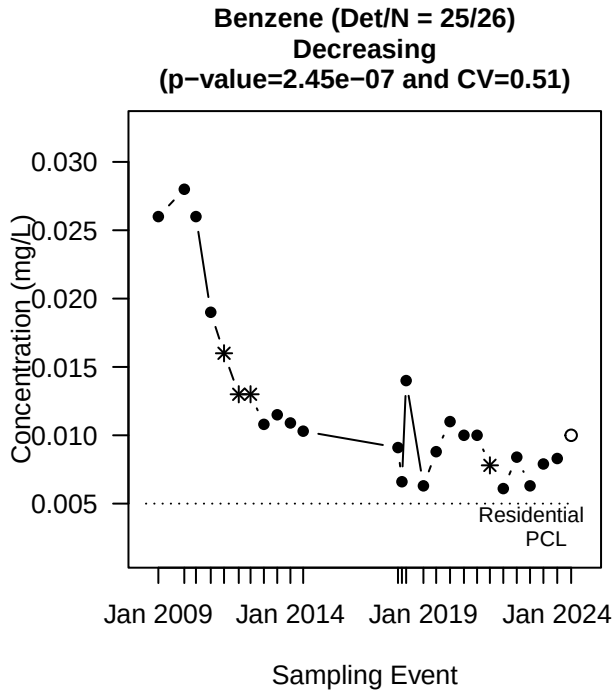


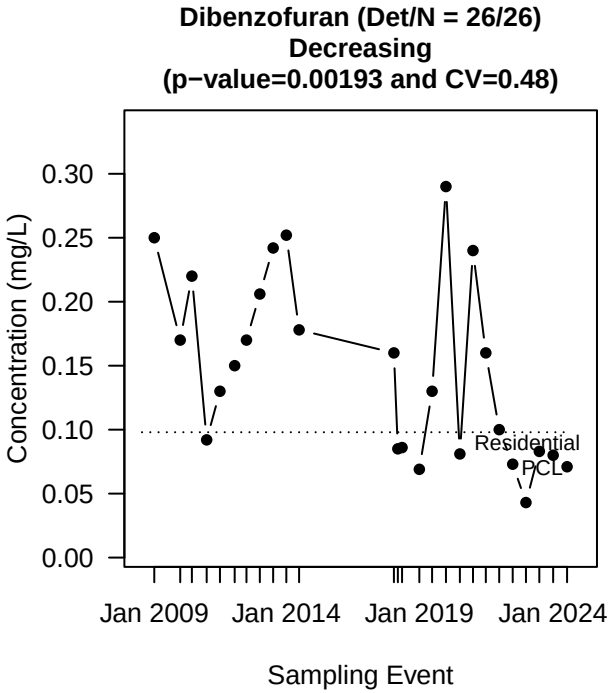
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

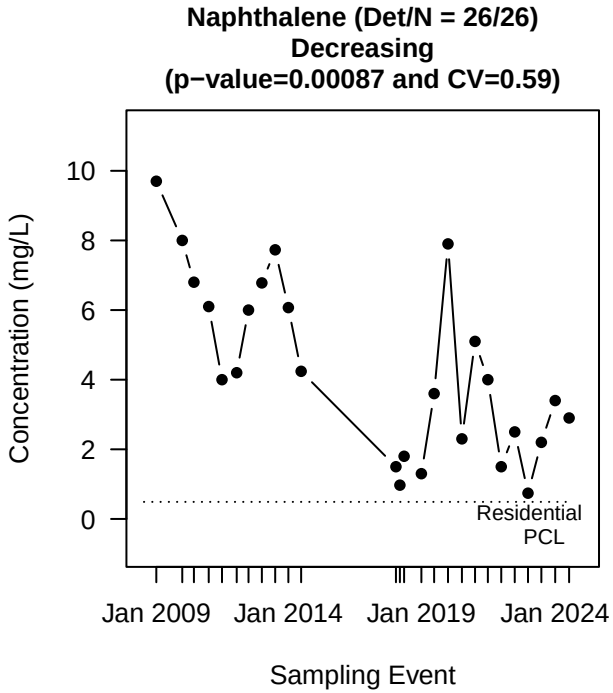
Mann−Kendall Trend Tests for MW−40B









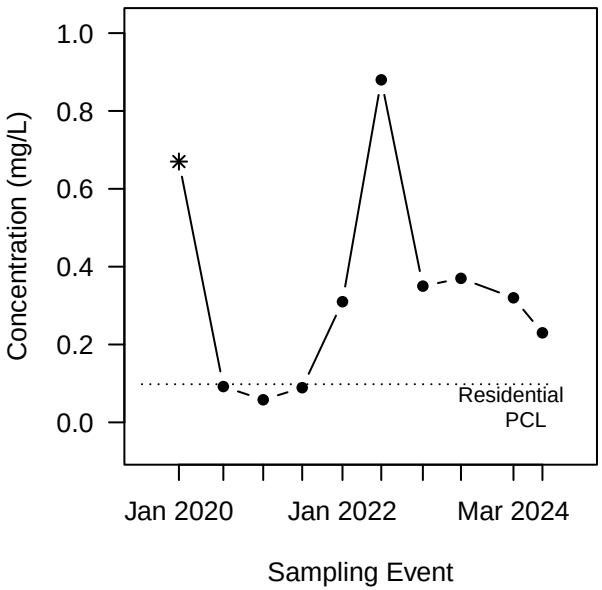


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

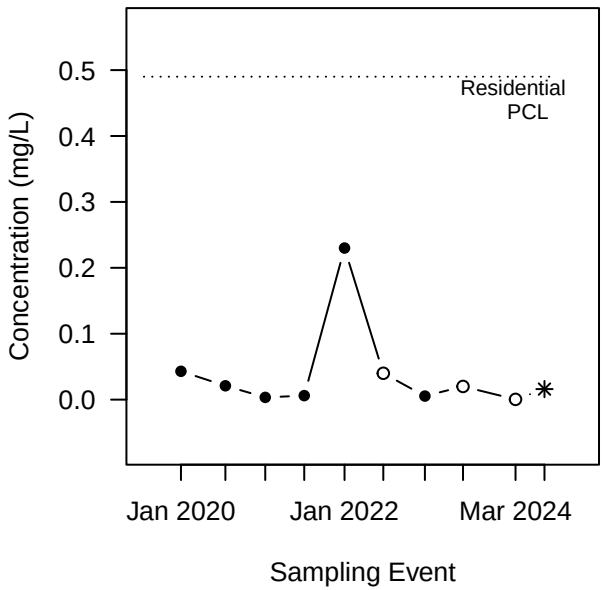
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−41B

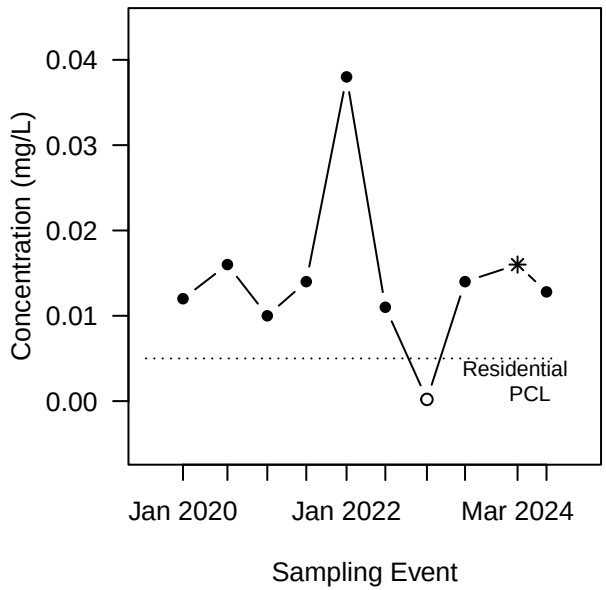
2−Methylnaphthalene (Det/N = 10/10)
No Trend
(p−value=0.36 and CV=0.78)



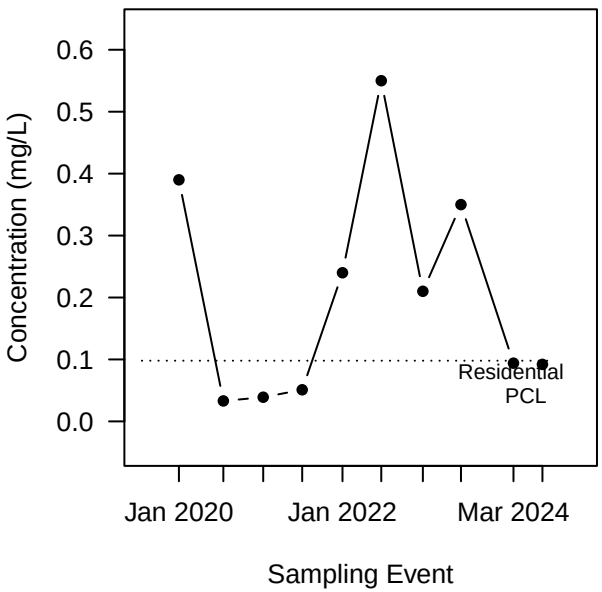
2,4−Dimethylphenol (Det/N = 7/10)
Probably Decreasing
(p−value=0.0866 and CV=1.8)



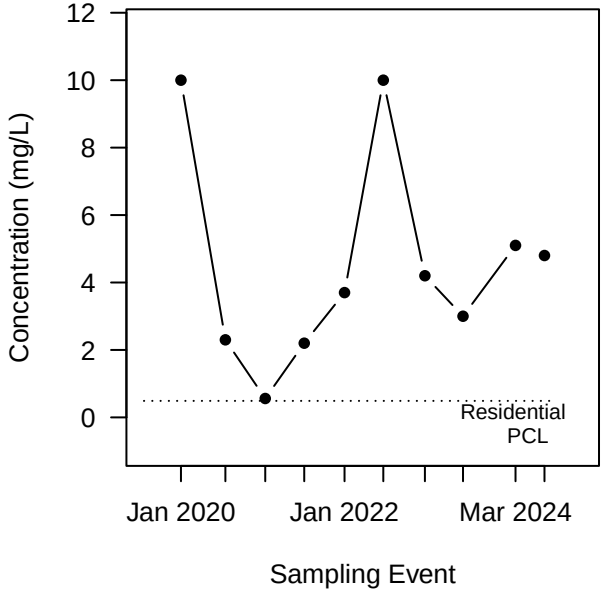
Benzene (Det/N = 9/10)
No Trend
(p−value=0.5 and CV=0.66)



Dibenzofuran (Det/N = 10/10)
No Trend
(p−value=0.36 and CV=0.86)



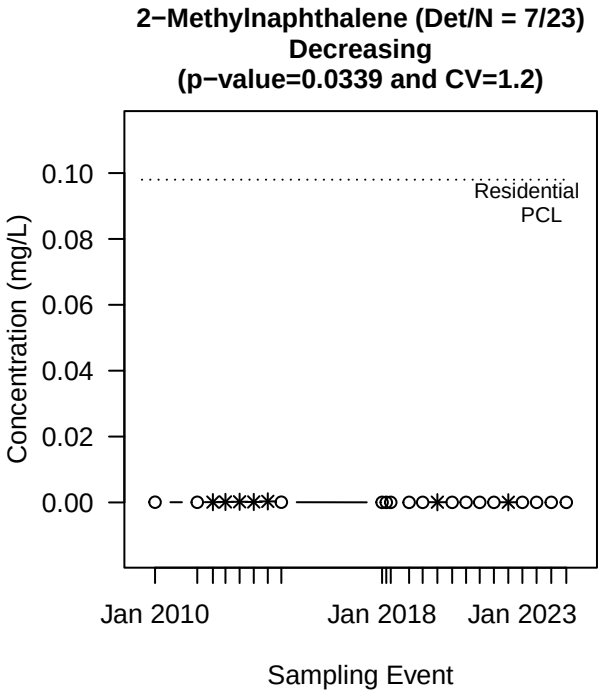
Naphthalene (Det/N = 10/10)
No Trend
(p−value=0.209 and CV=0.69)

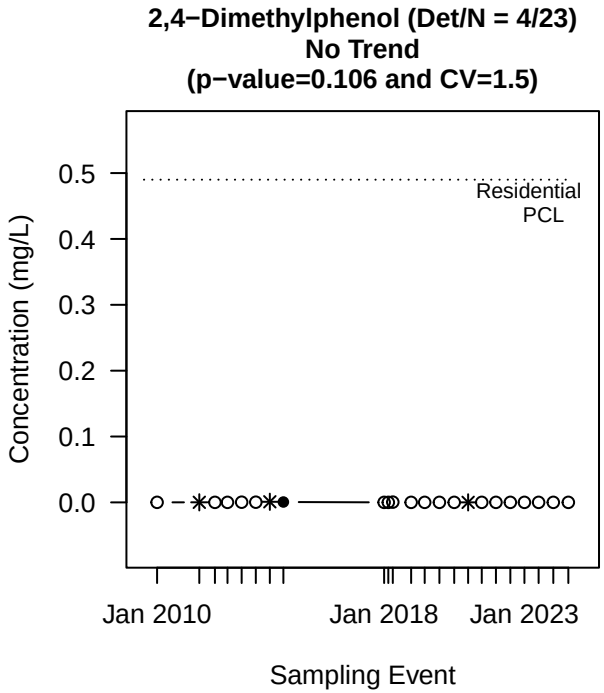


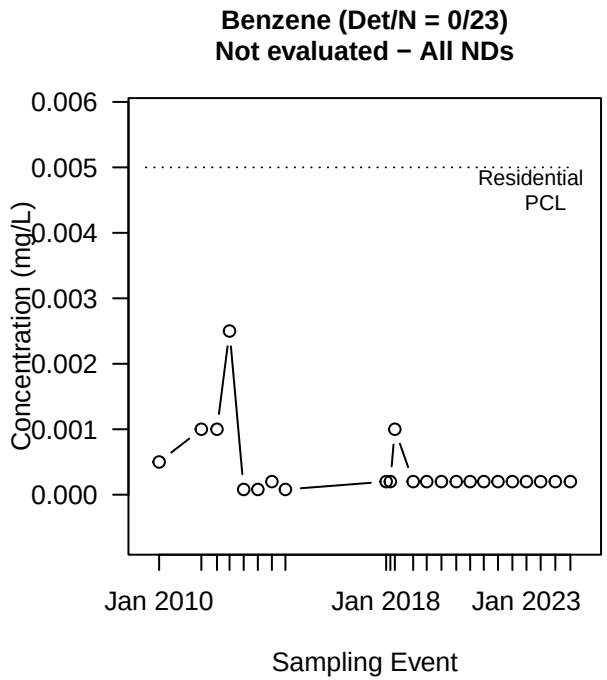
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

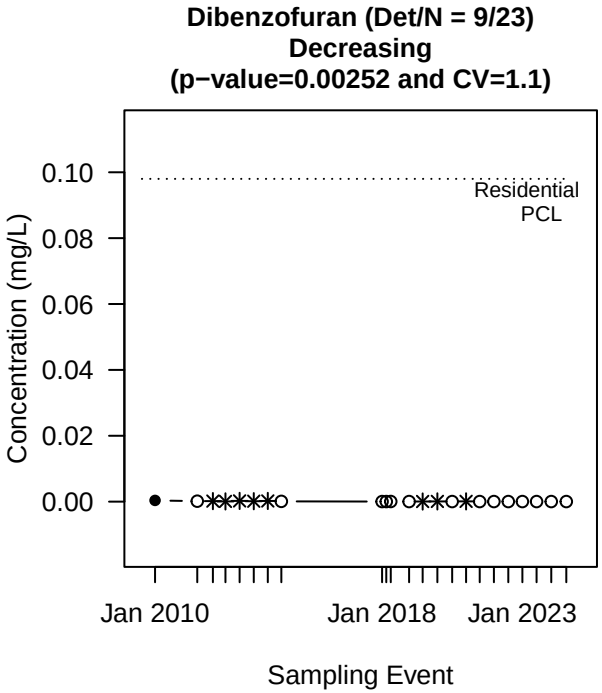
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

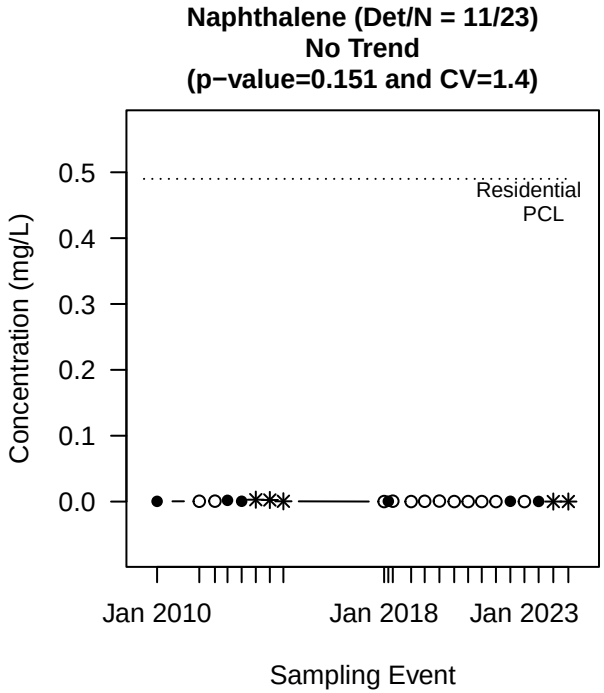
Mann−Kendall Trend Tests for MW−42B

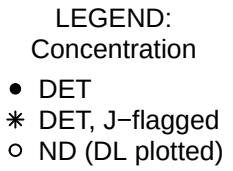








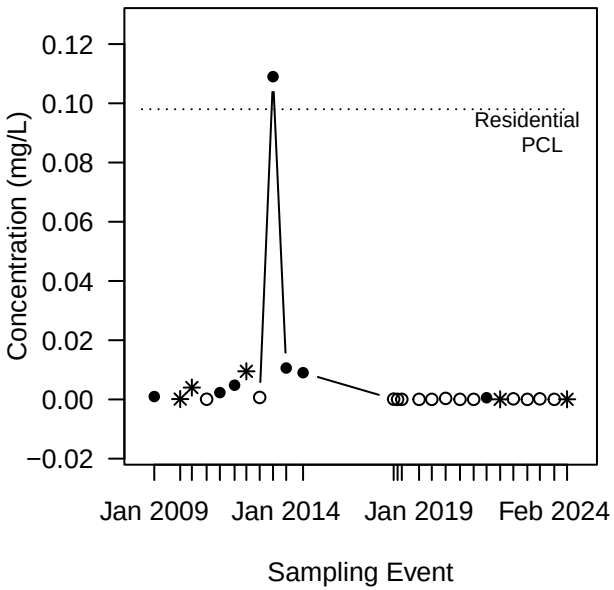




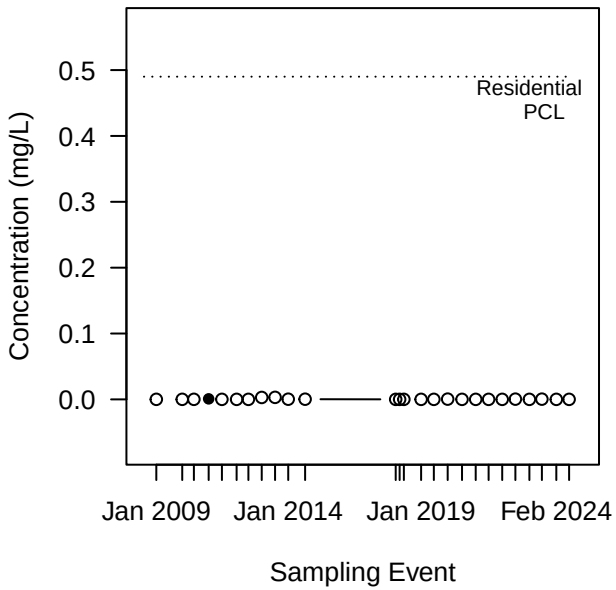
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−44A

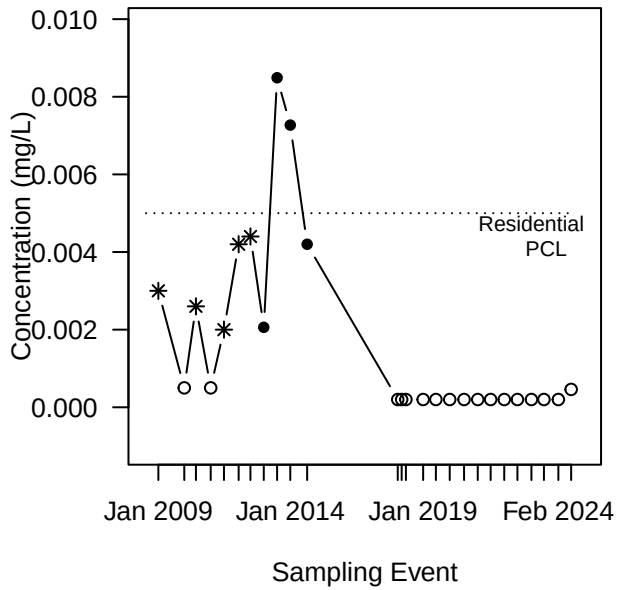
2−Methylnaphthalene (Det/N = 12/26)
Decreasing
(p−value=0.0228 and CV=3.6)



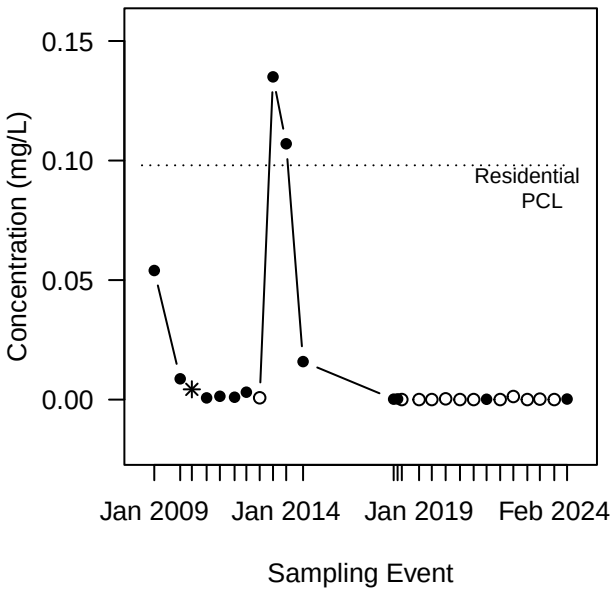
2,4−Dimethylphenol (Det/N = 1/26)
No Trend
(p−value=0.115 and CV=2.2)



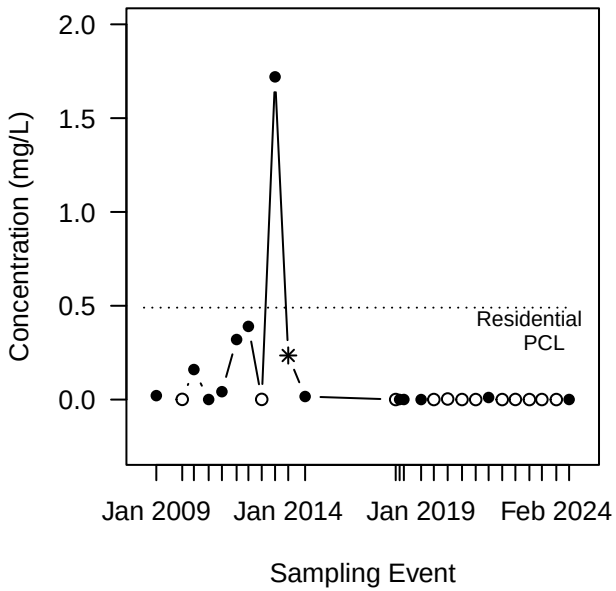
Benzene (Det/N = 9/26)
Decreasing
(p−value=0.00222 and CV=1.4)



Dibenzofuran (Det/N = 14/26)
Decreasing
(p−value=0.000169 and CV=2.6)



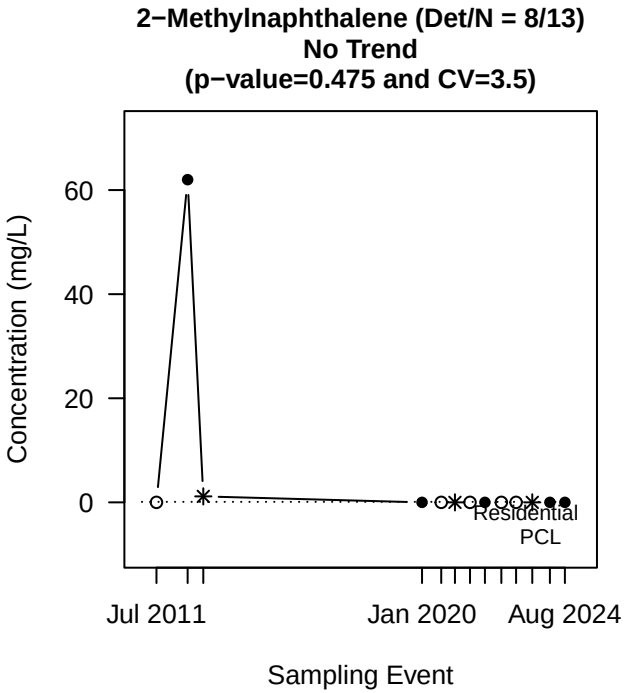
Naphthalene (Det/N = 14/26)
Decreasing
(p−value=0.00301 and CV=3.1)

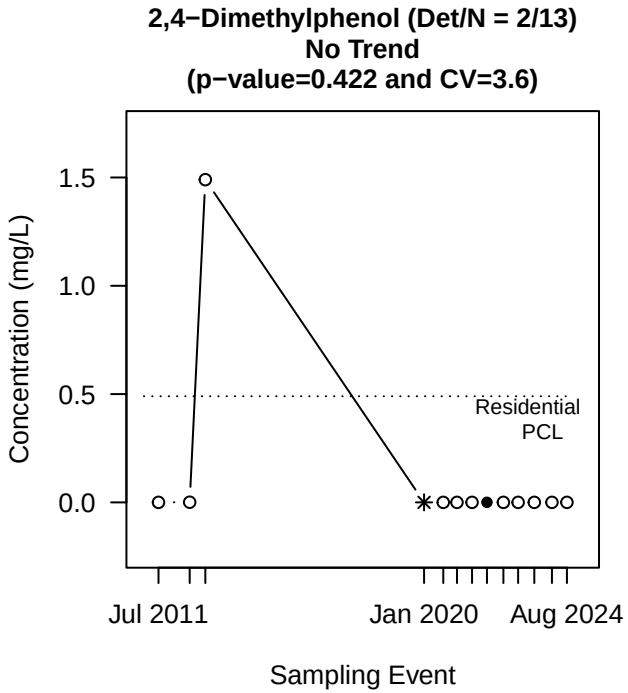


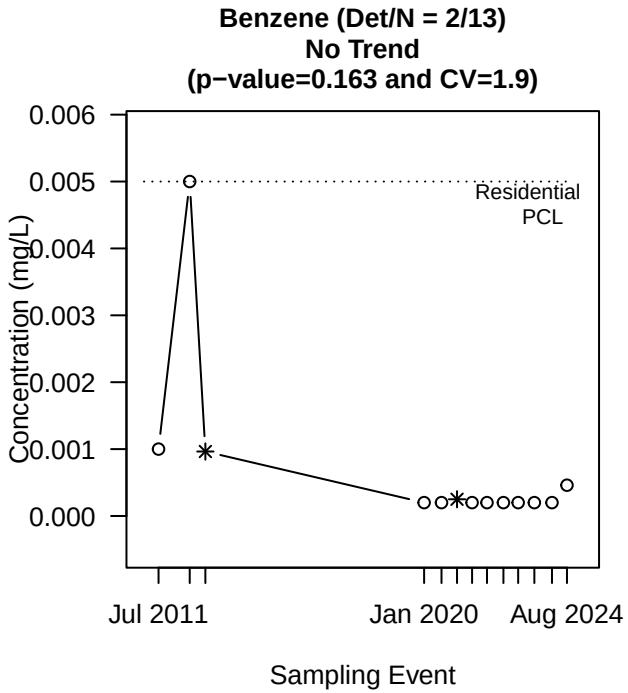
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

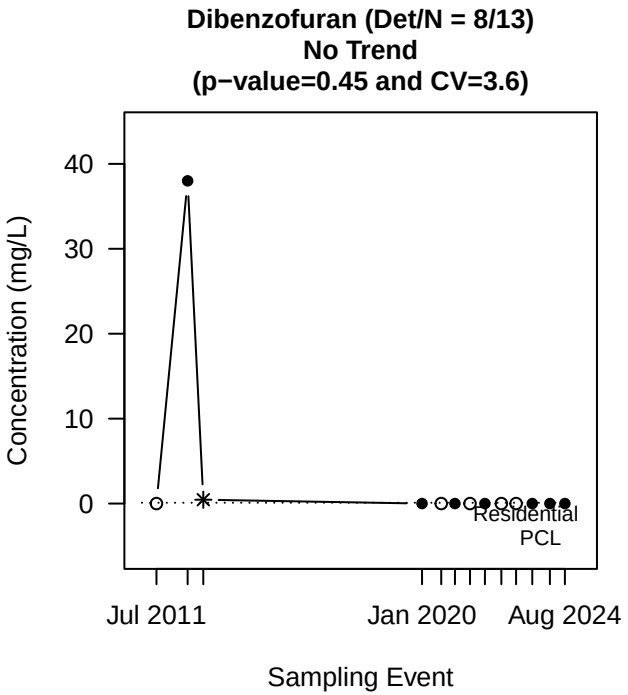
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

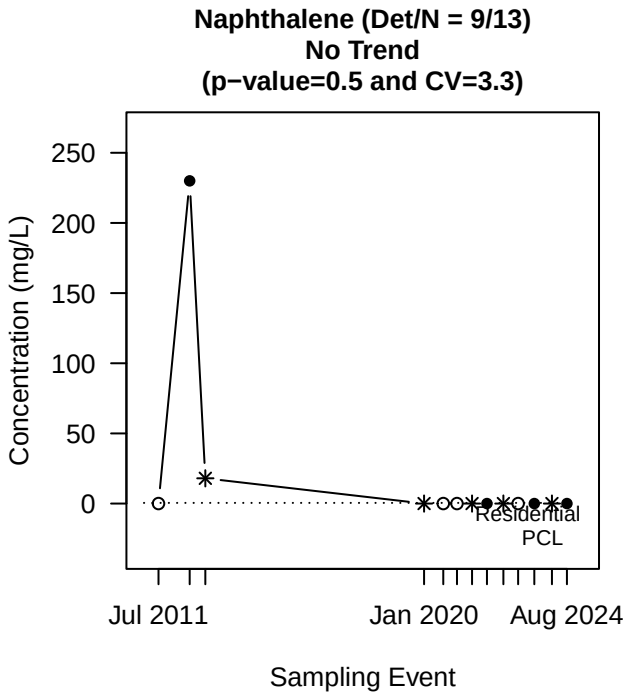
Mann−Kendall Trend Tests for MW−44C







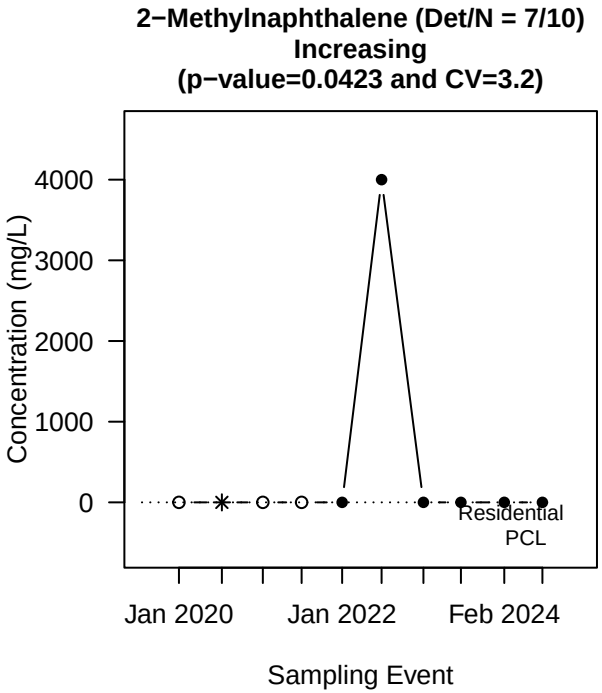


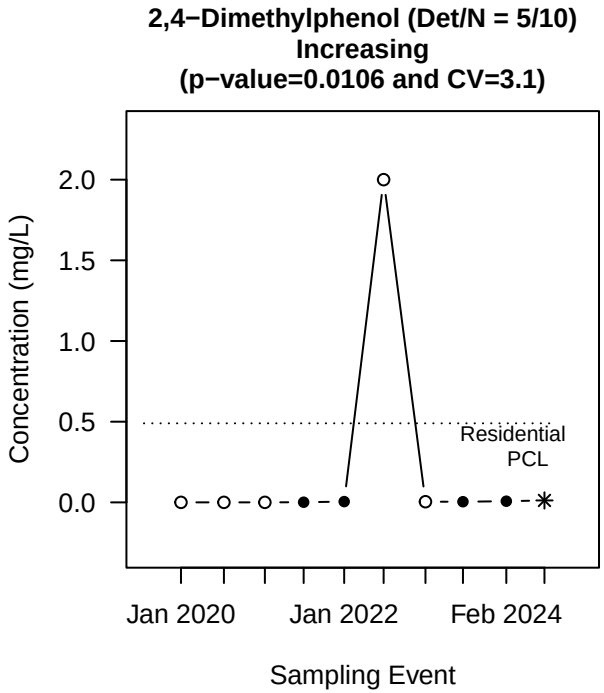


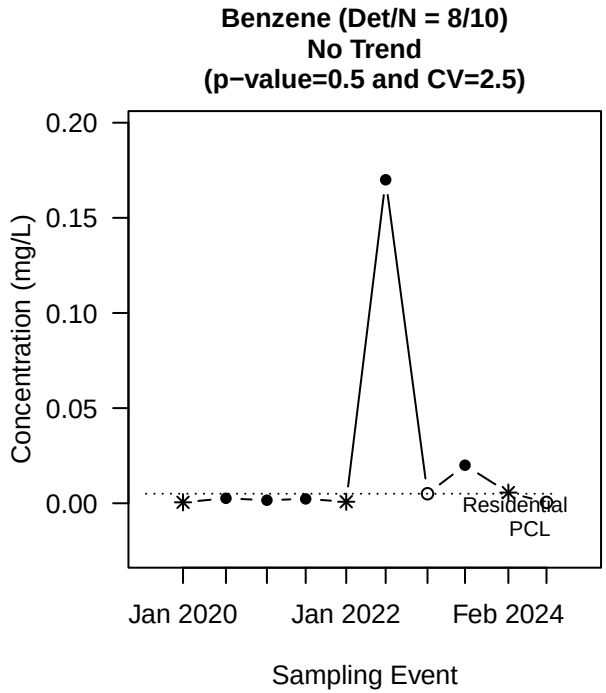
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

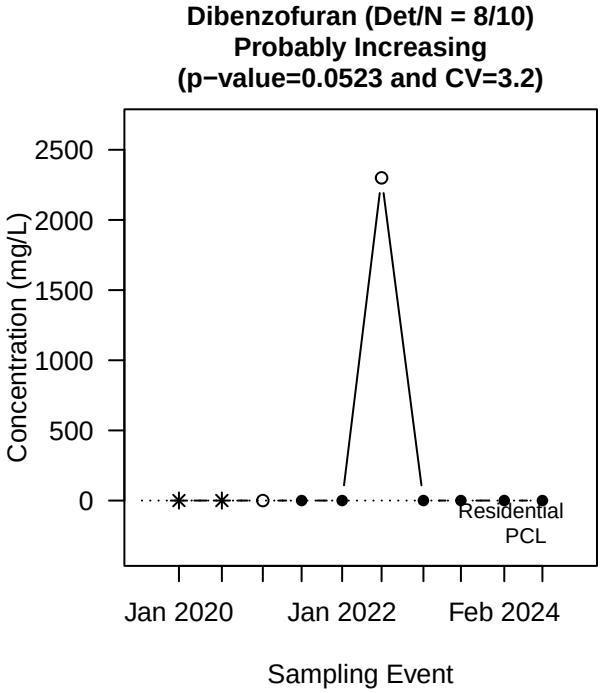
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

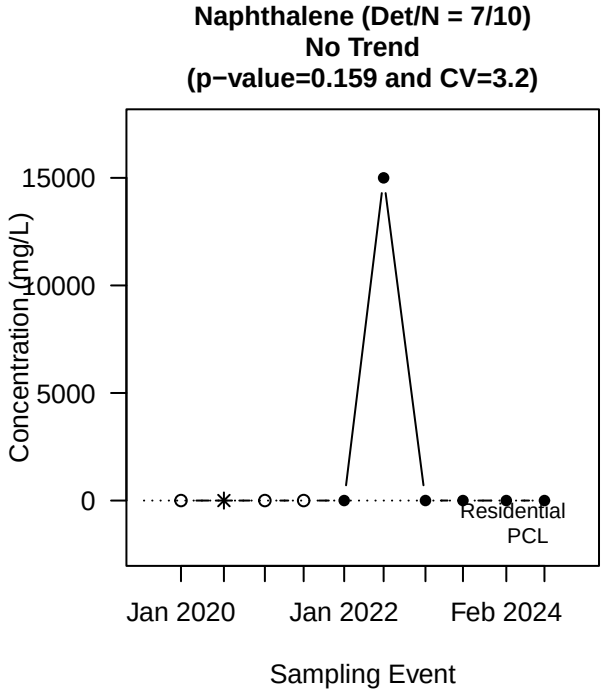
Mann−Kendall Trend Tests for MW−45C

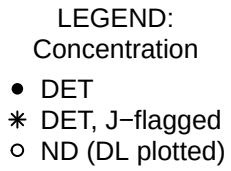






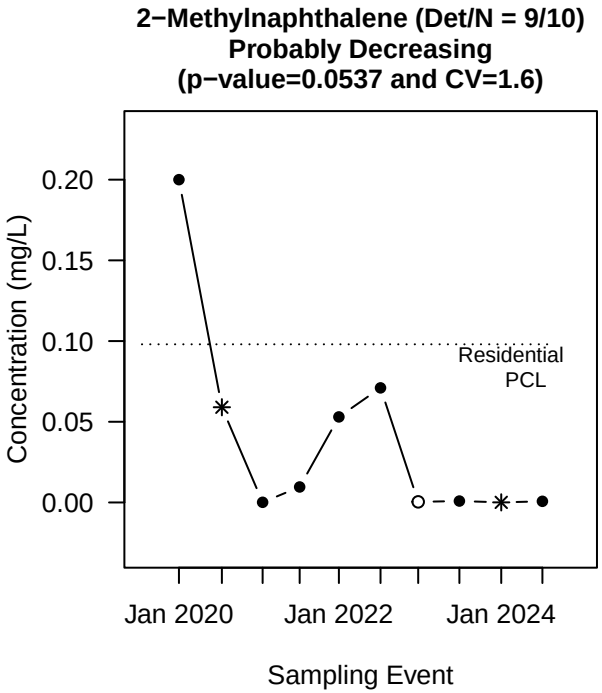


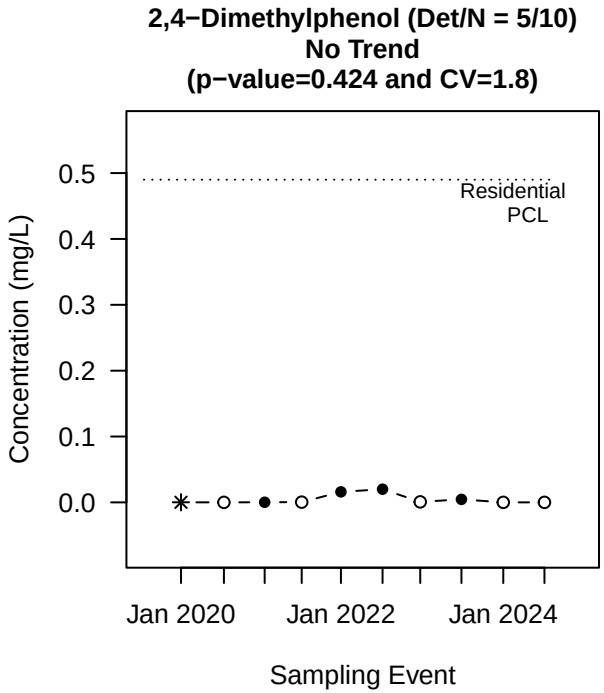


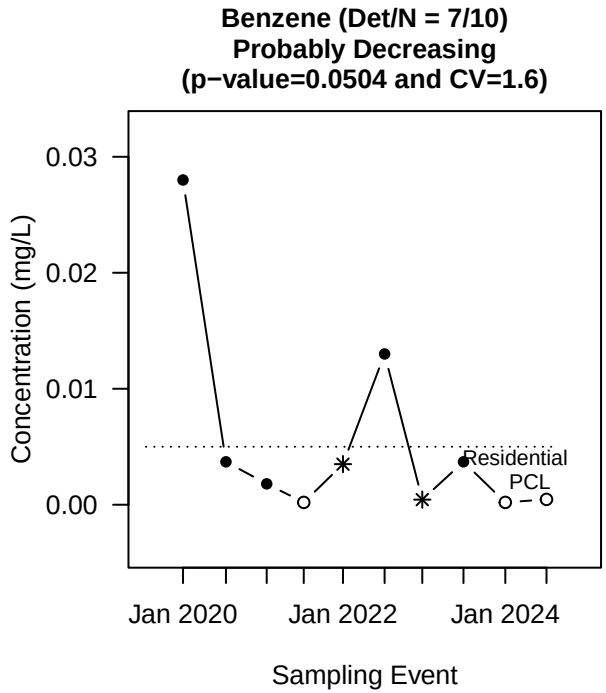


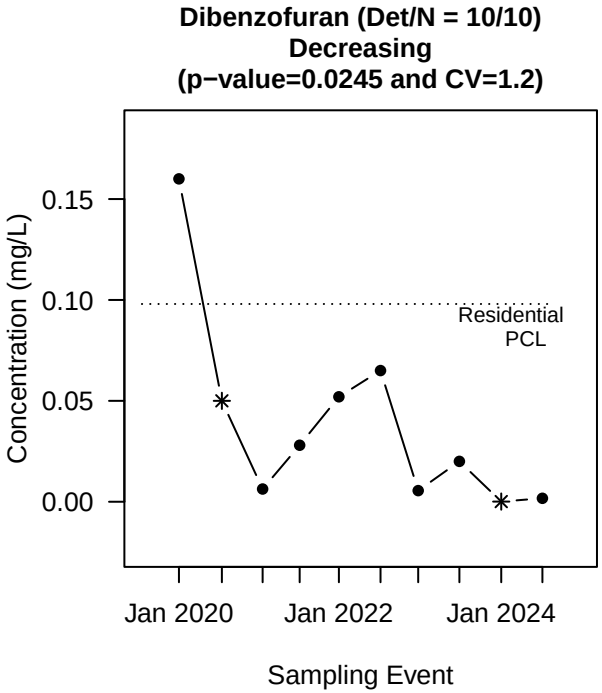
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

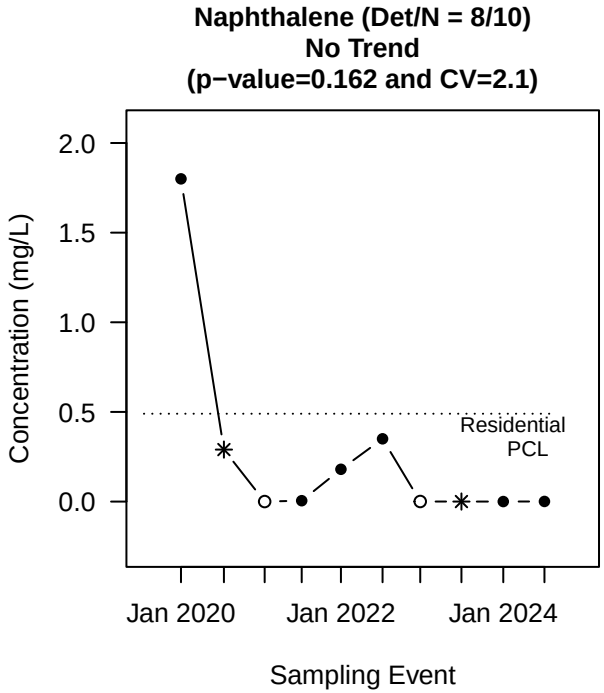
Mann−Kendall Trend Tests for MW−46C

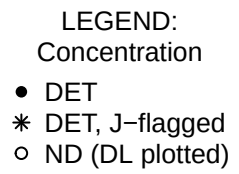








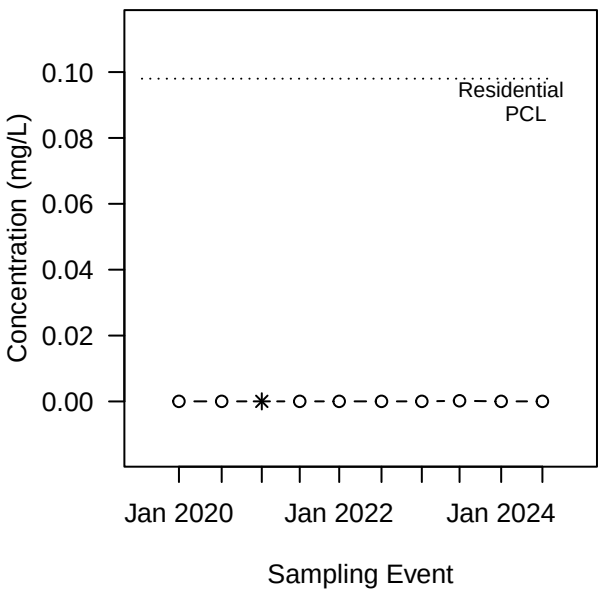




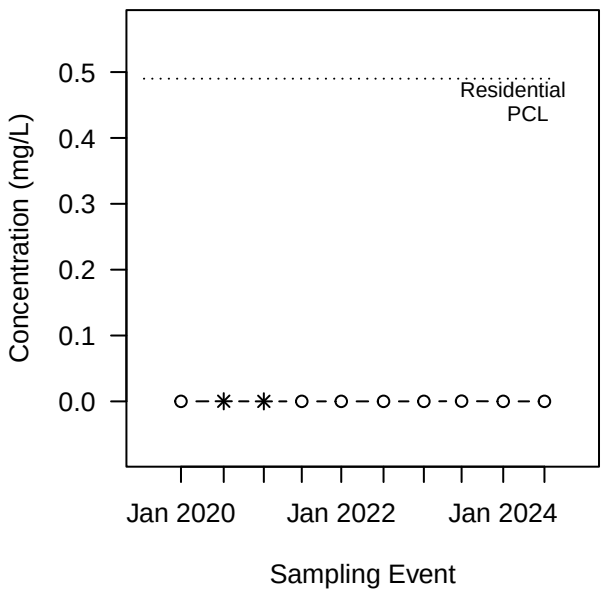
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−47A

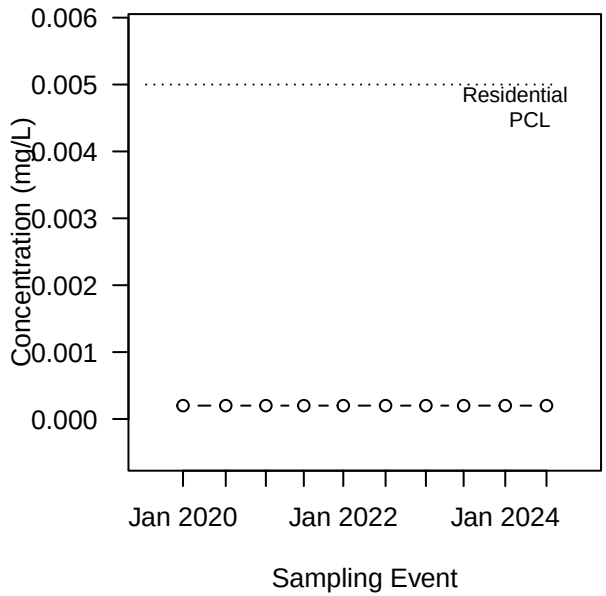
2−Methylnaphthalene (Det/N = 1/10)
No Trend
(p−value=0.243 and CV=1.5)



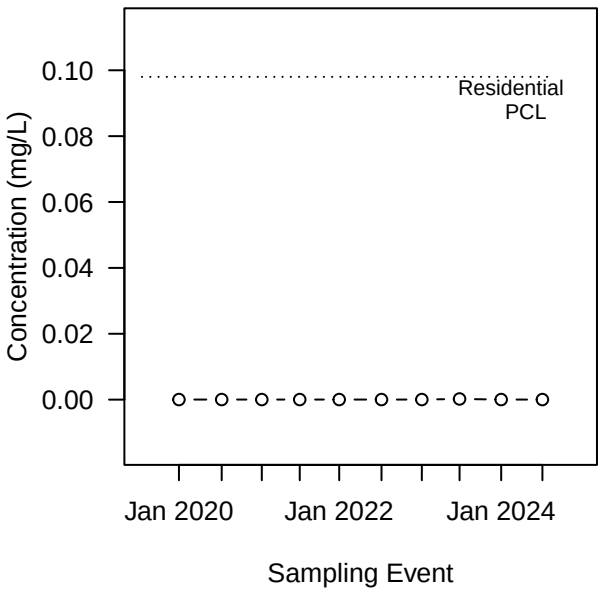
2,4−Dimethylphenol (Det/N = 2/10)
Probably Decreasing
(p−value=0.0602 and CV=1.3)



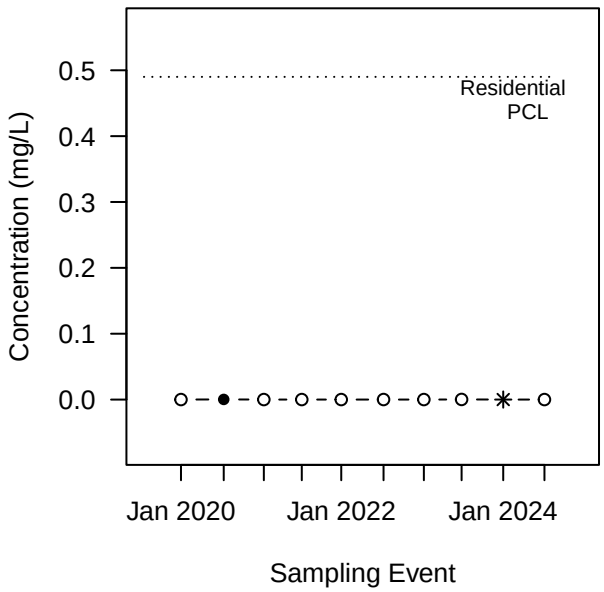
Benzene (Det/N = 0/10)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/10)
Not evaluated − All NDs



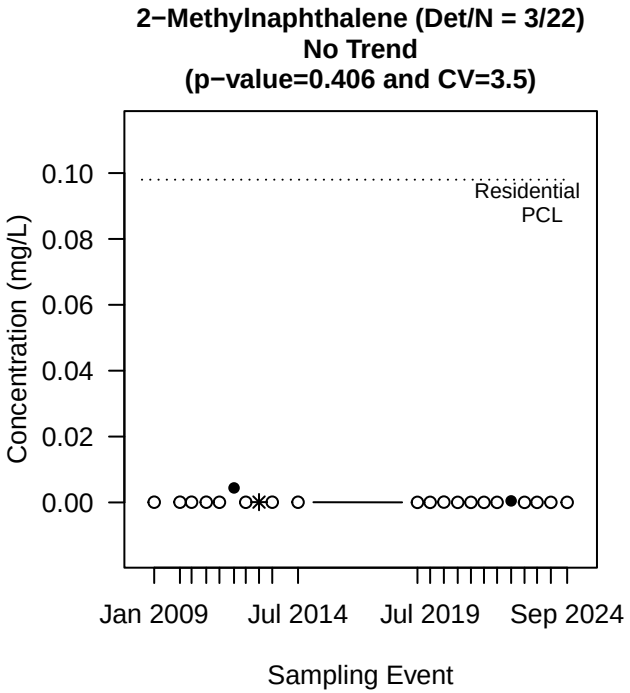
Naphthalene (Det/N = 2/10)
No Trend
(p−value=0.5 and CV=1.3)

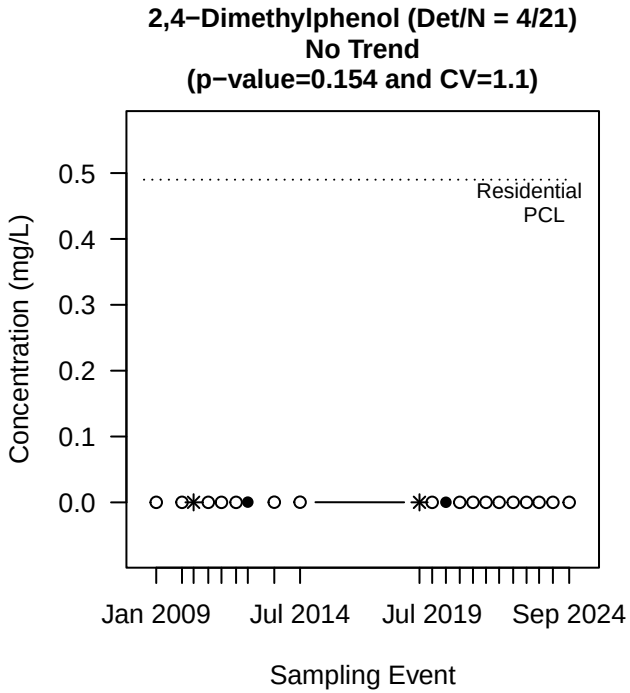


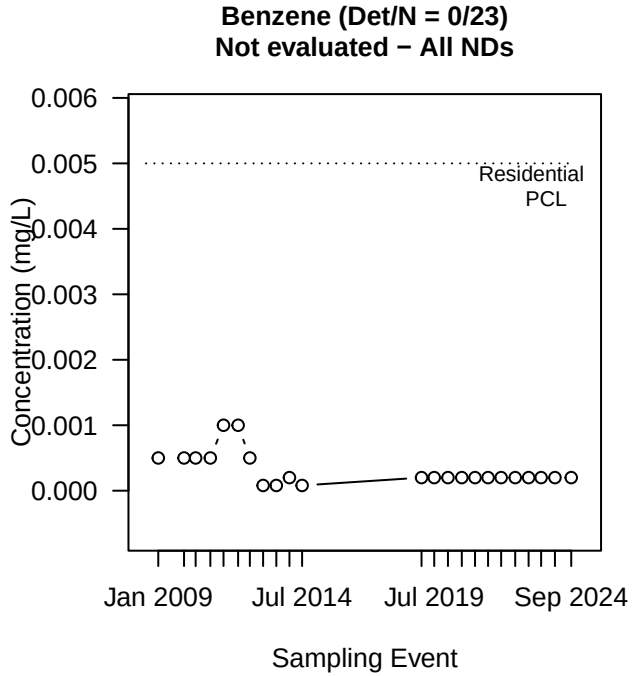
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

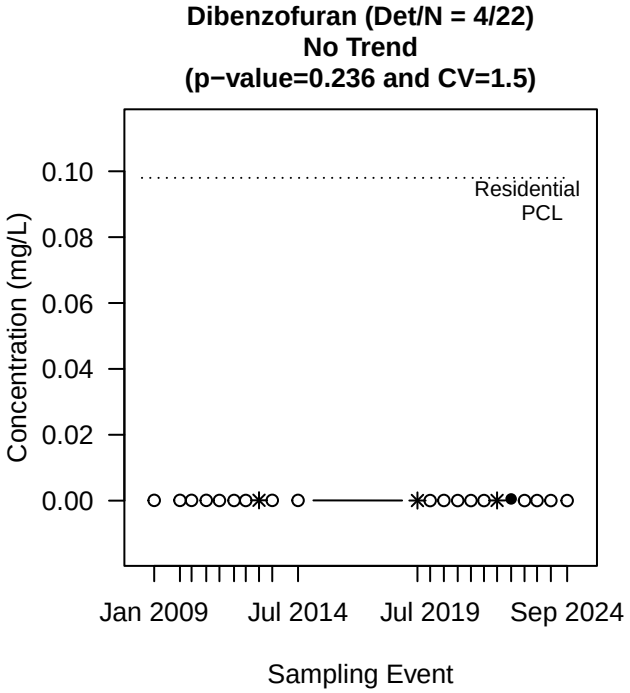
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

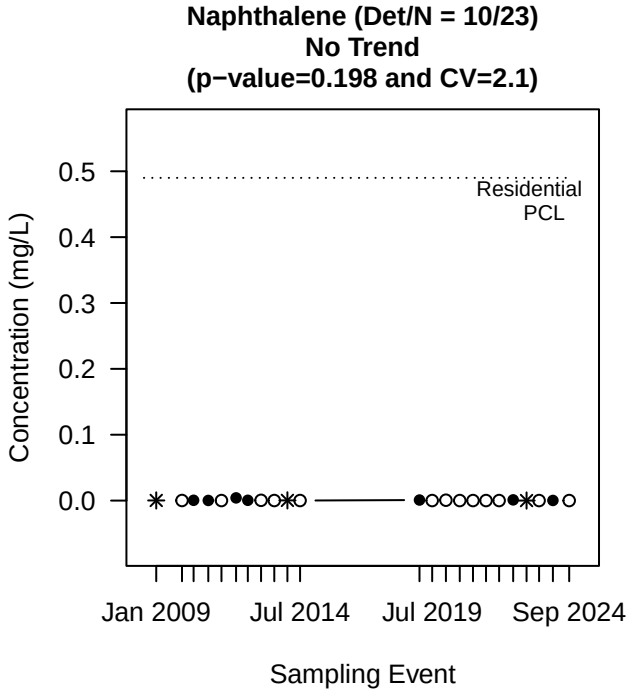
Mann−Kendall Trend Tests for MW−47C

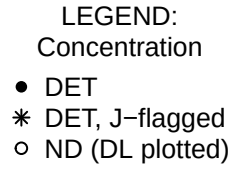








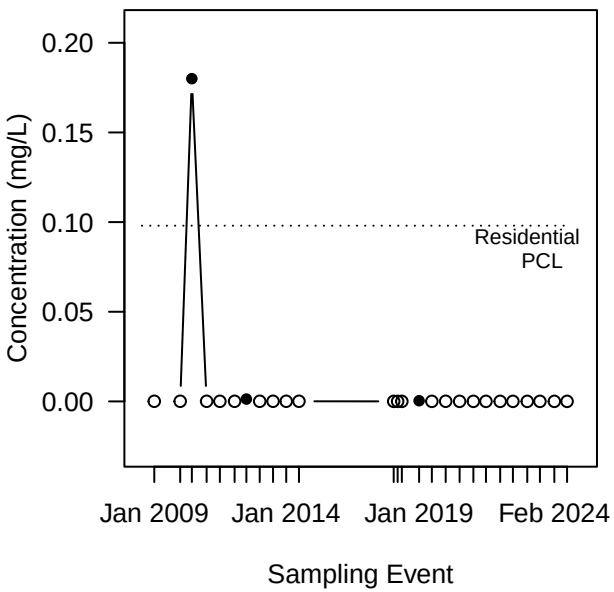




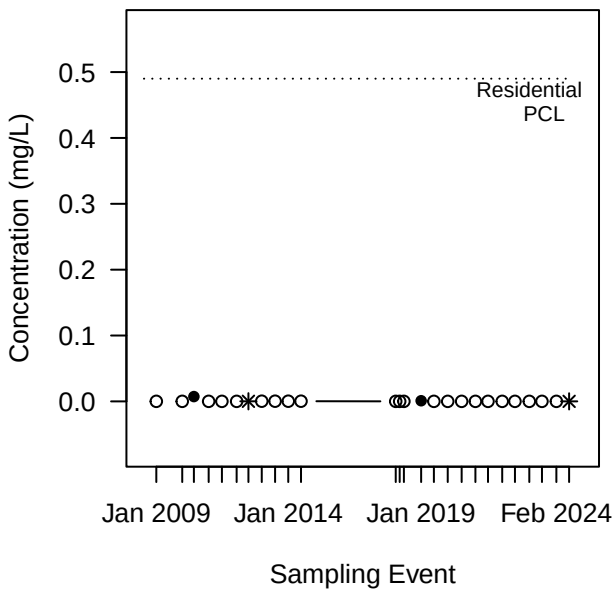
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−48C

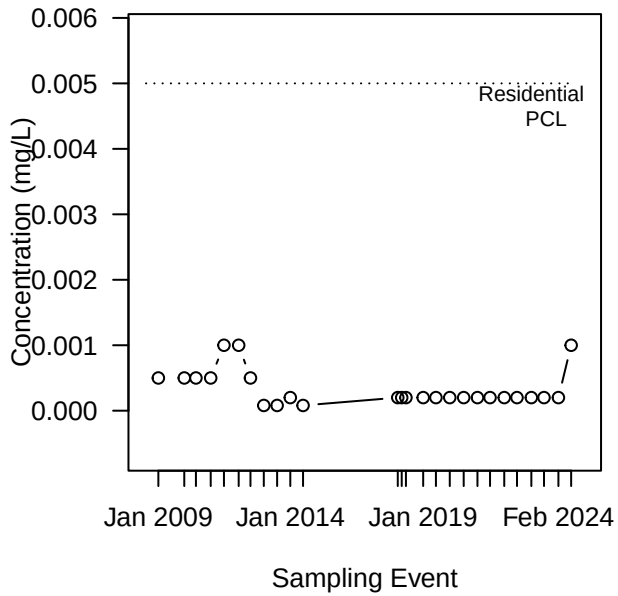
2−Methylnaphthalene (Det/N = 3/26)
Probably Decreasing
(p−value=0.0934 and CV=5)



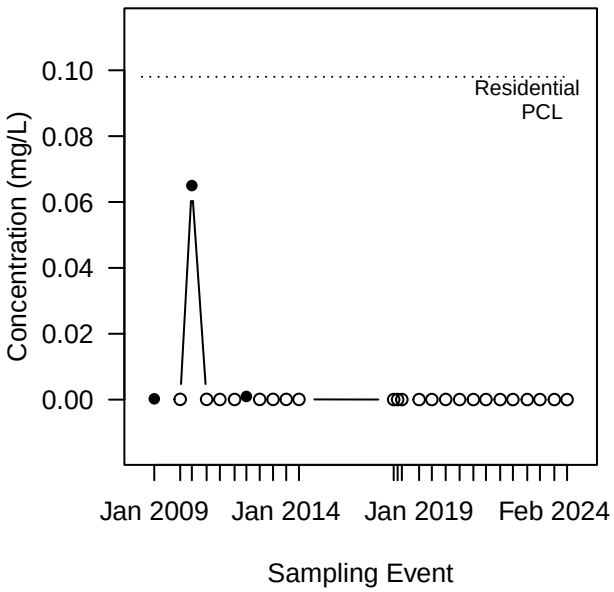
2,4−Dimethylphenol (Det/N = 4/26)
No Trend
(p−value=0.375 and CV=3.5)



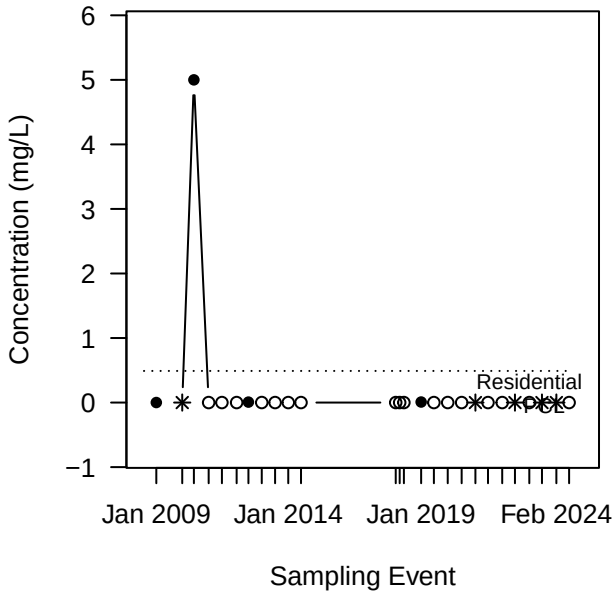
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 3/26)
Decreasing
(p−value=0.0113 and CV=4.9)



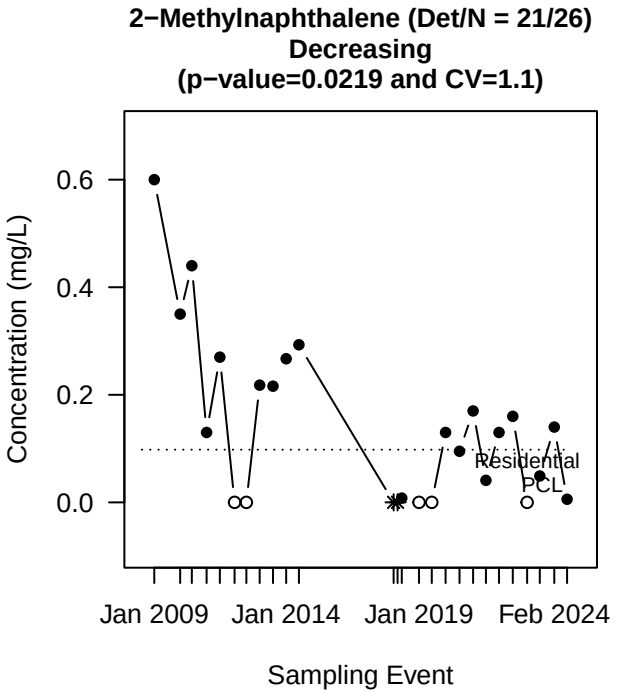
Naphthalene (Det/N = 9/26)
No Trend
(p−value=0.249 and CV=5.1)

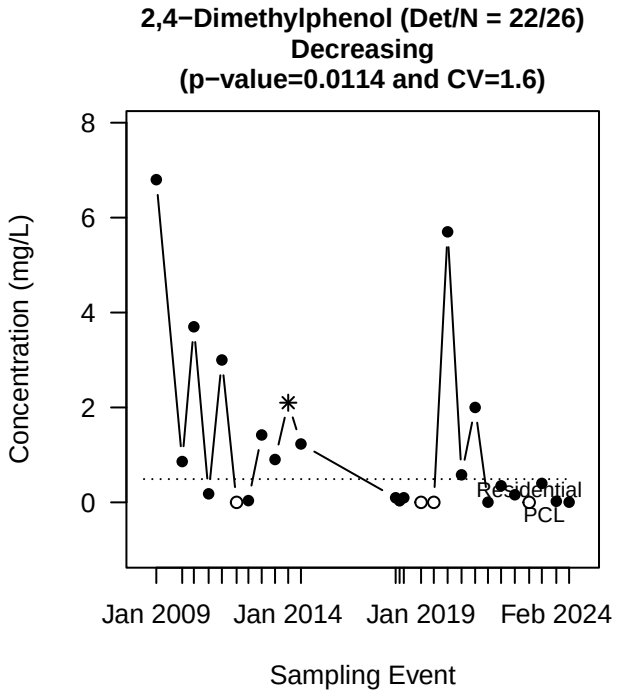


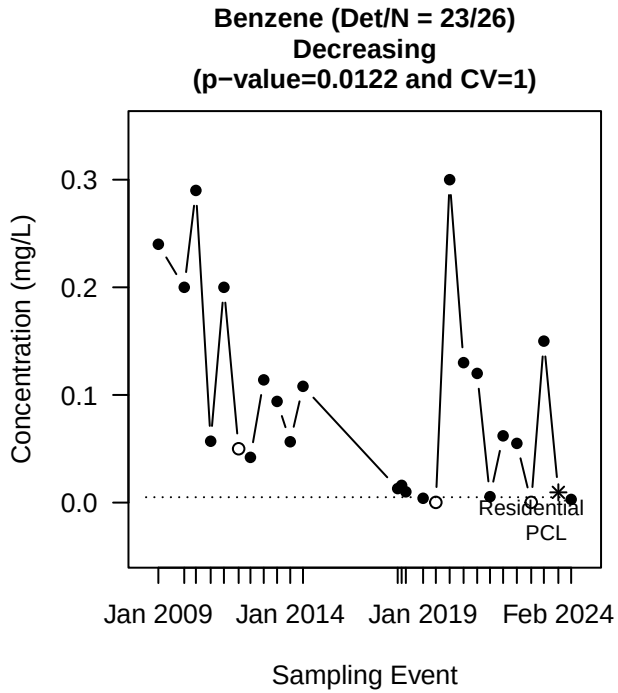
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

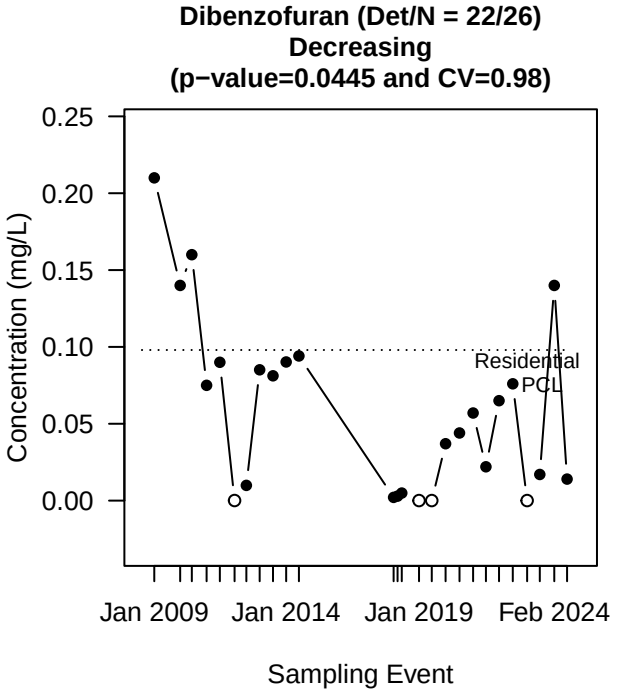
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

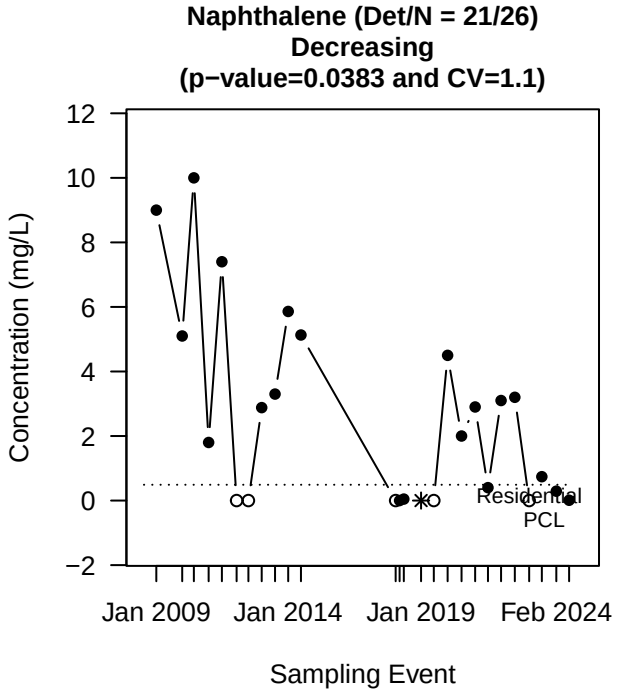
Mann−Kendall Trend Tests for MW−49A







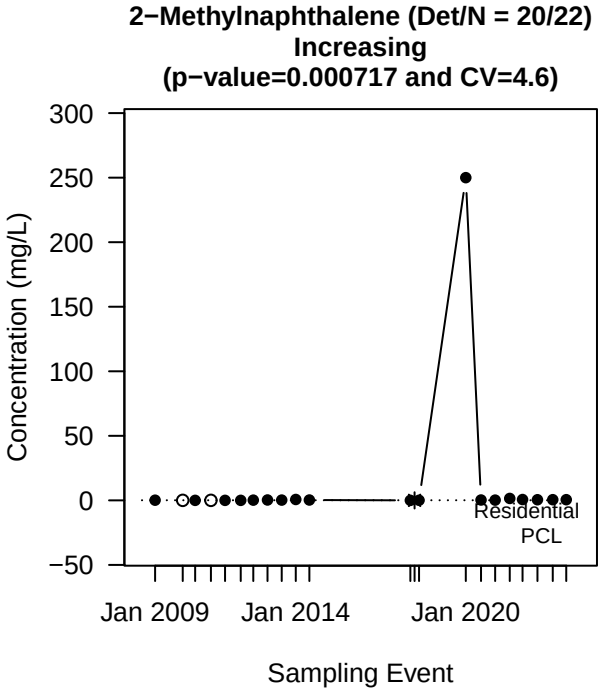


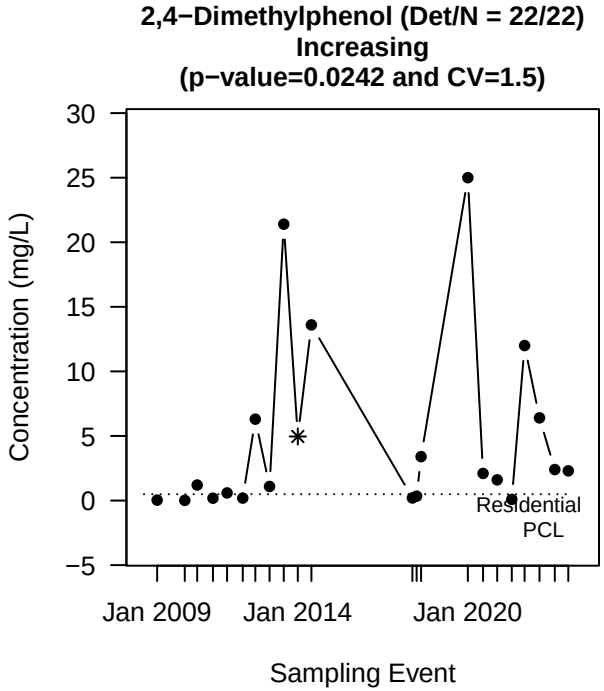


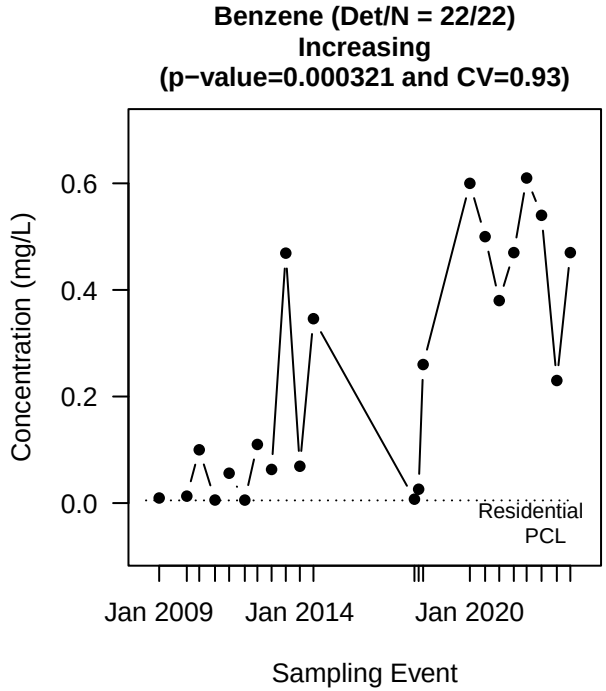
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

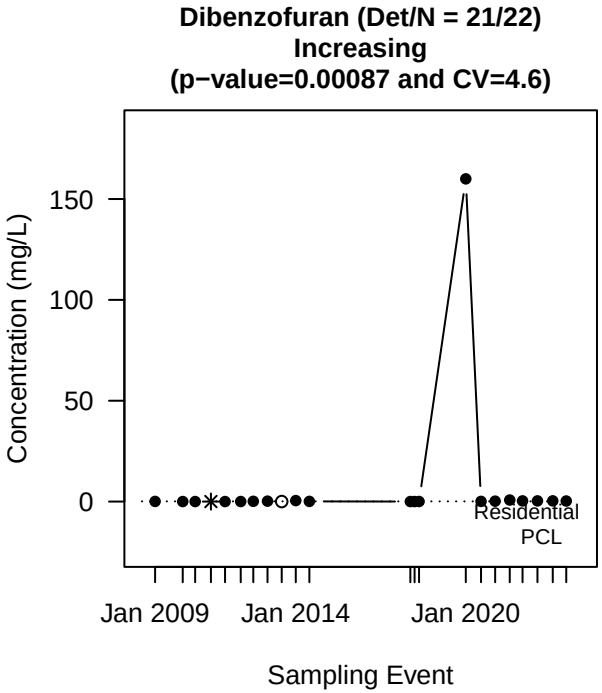
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

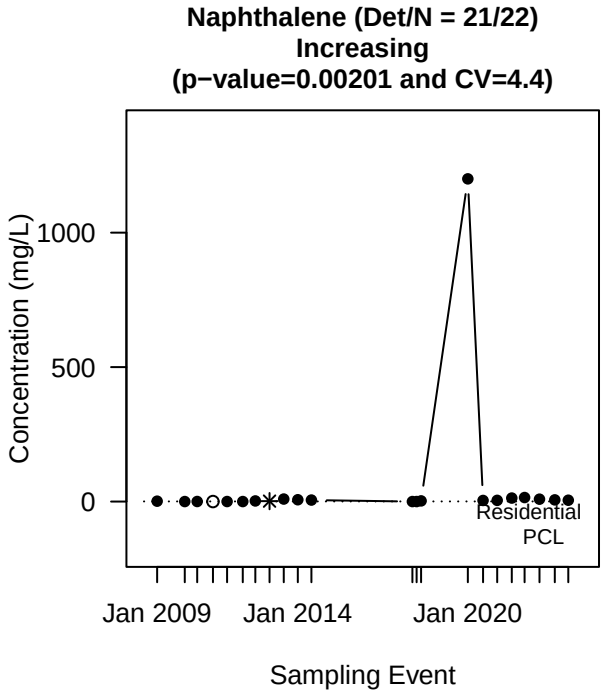
Mann−Kendall Trend Tests for MW−49B







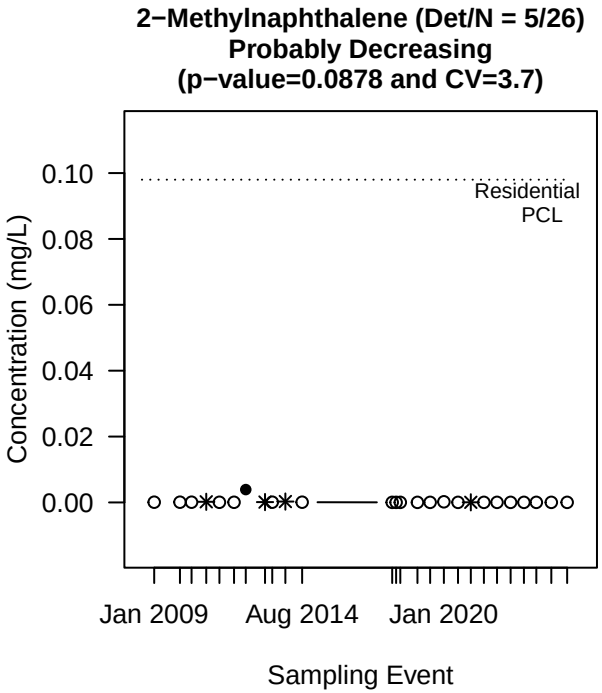


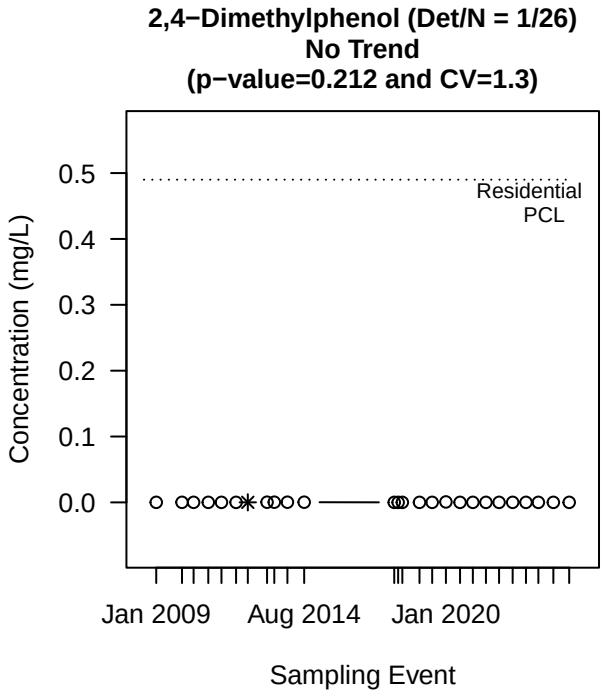


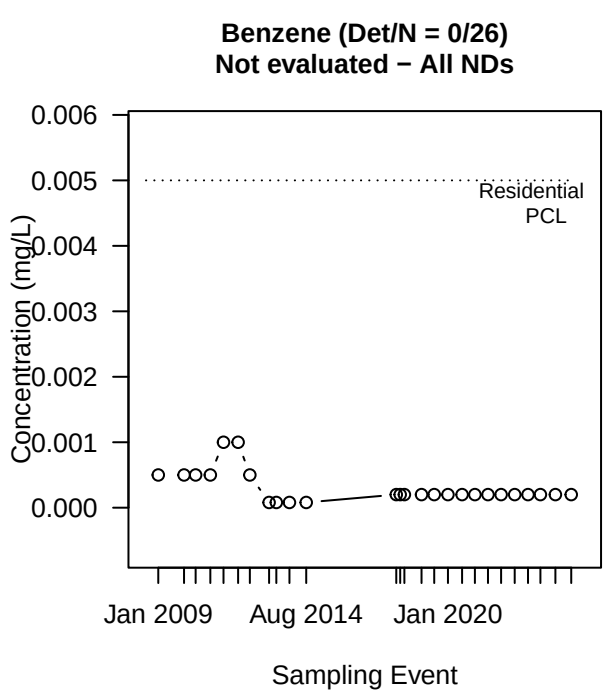
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

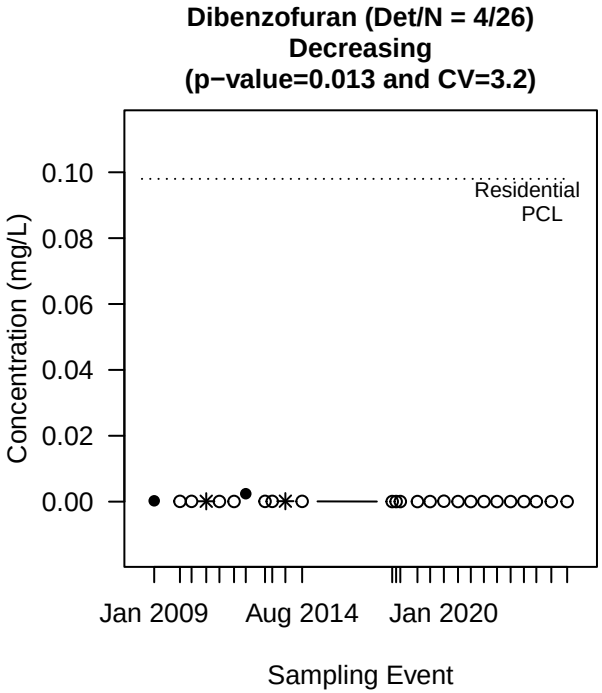
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

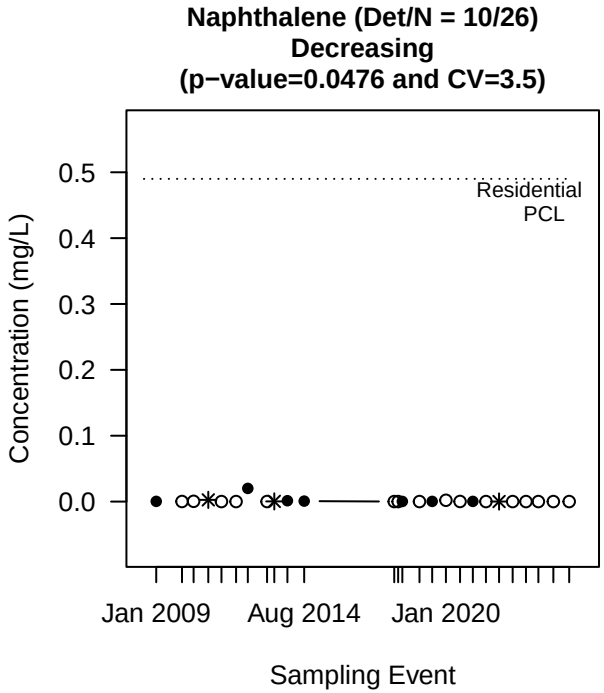
Mann−Kendall Trend Tests for MW−50A

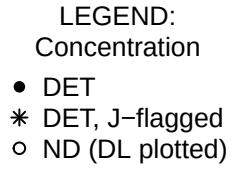








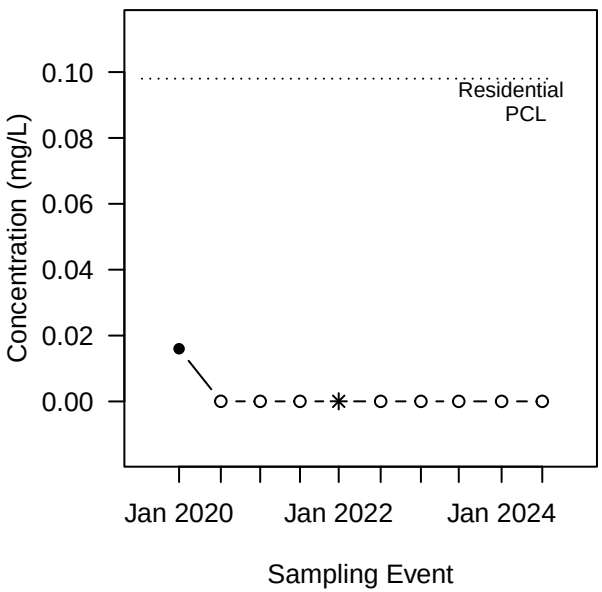




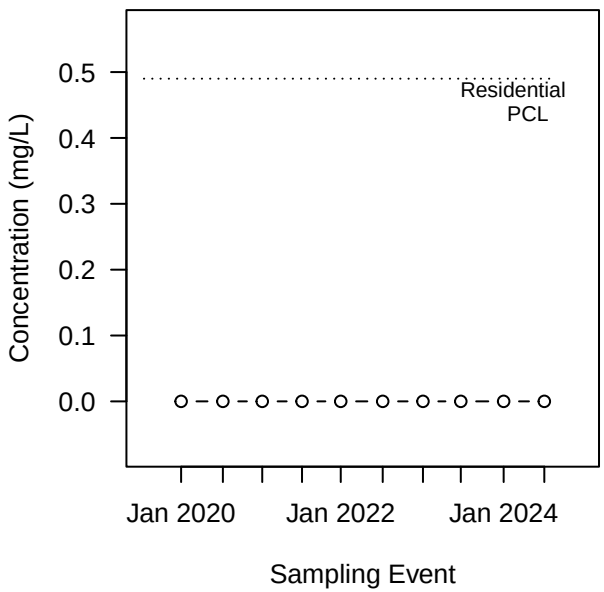
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−50B

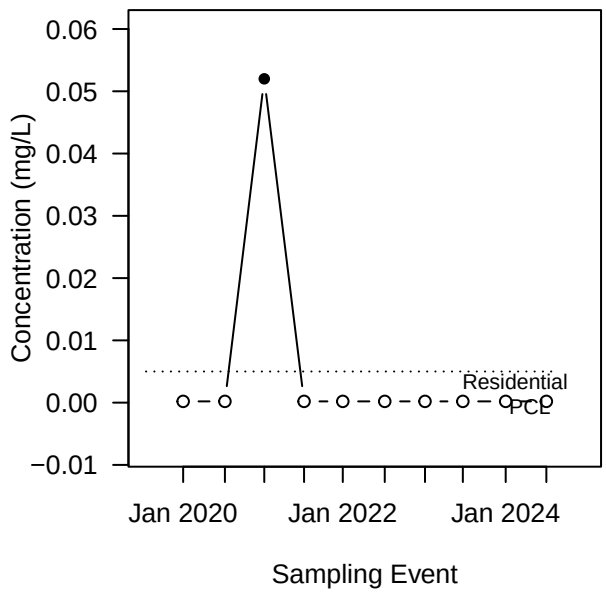
2−Methylnaphthalene (Det/N = 2/10)
Probably Decreasing
(p−value=0.0977 and CV=3.1)



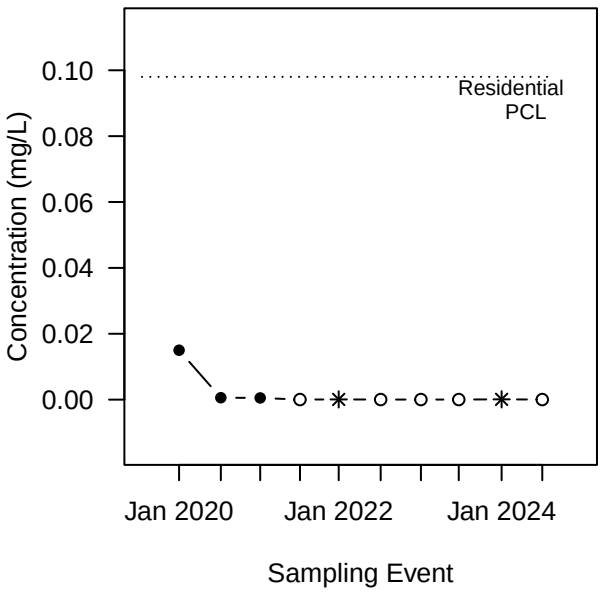
2,4−Dimethylphenol (Det/N = 0/10)
Not evaluated − All NDs



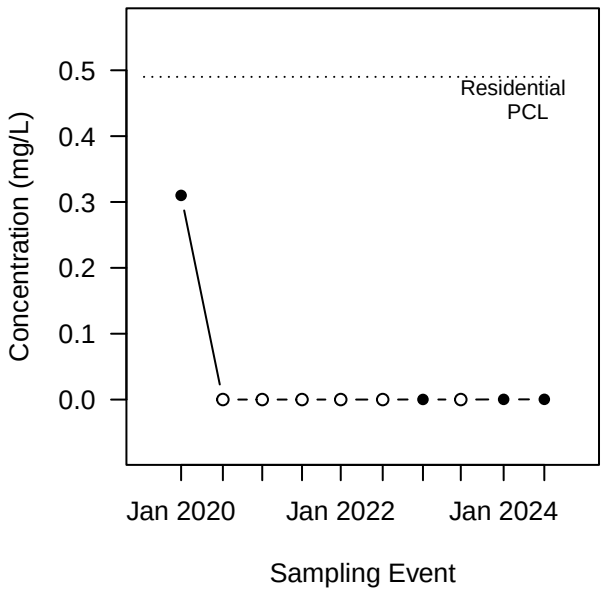
Benzene (Det/N = 1/10)
No Trend
(p−value=0.243 and CV=3)



Dibenzofuran (Det/N = 5/10)
Decreasing
(p−value=0.0173 and CV=2.9)



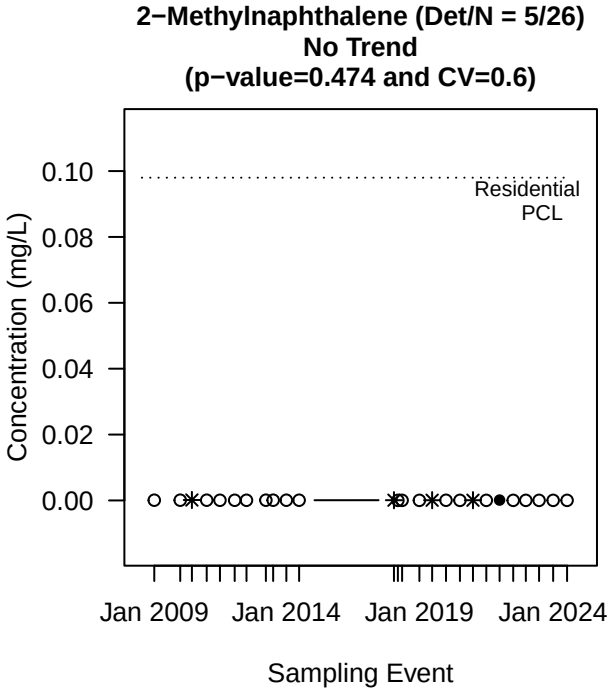
Naphthalene (Det/N = 4/10)
No Trend
(p−value=0.18 and CV=3.2)

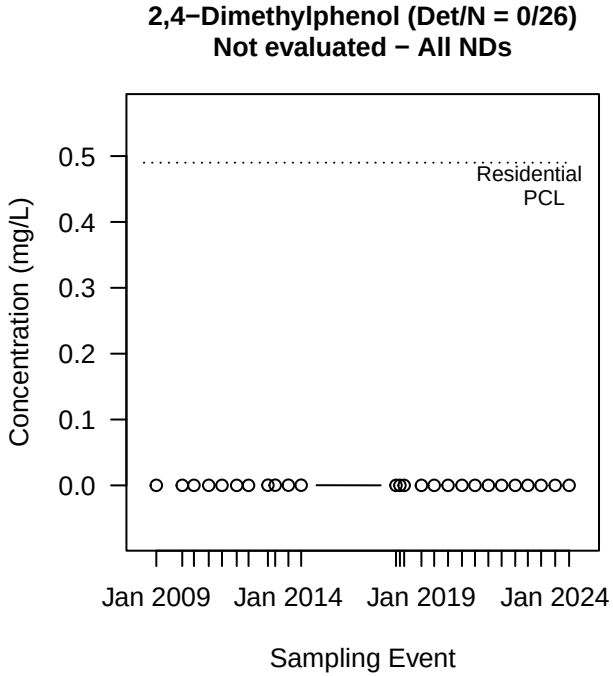


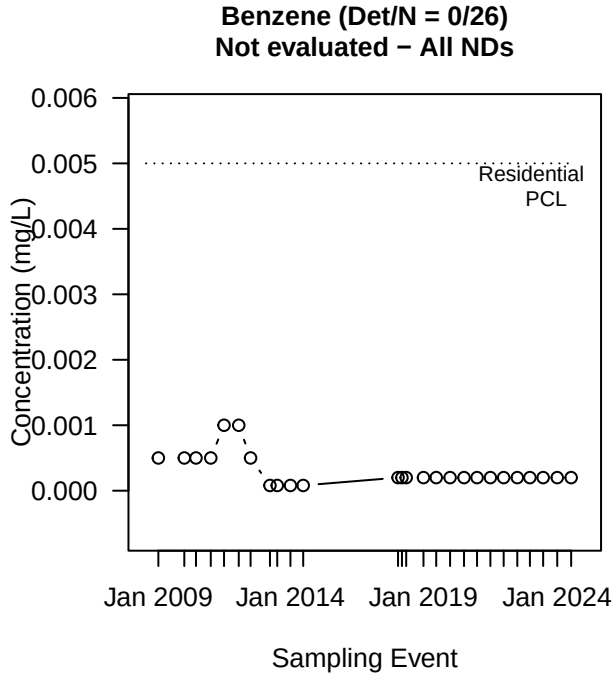
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

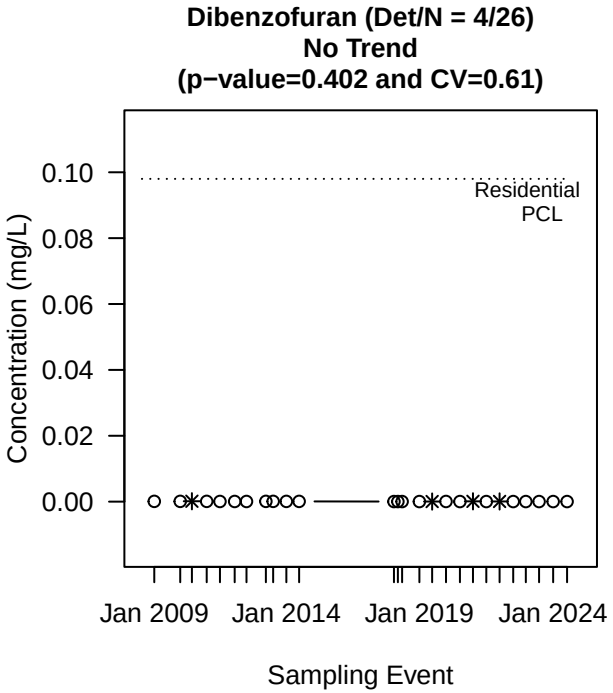
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

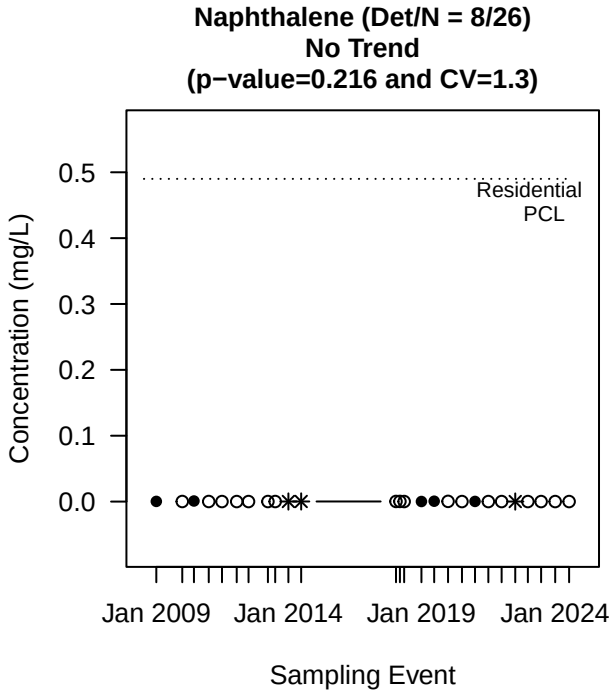
Mann−Kendall Trend Tests for MW−51A

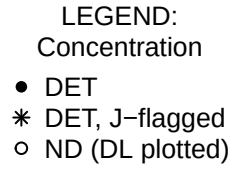






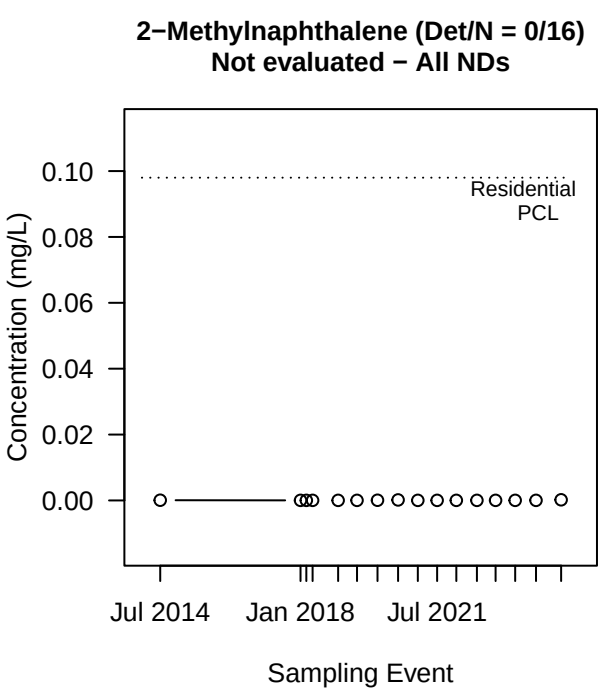


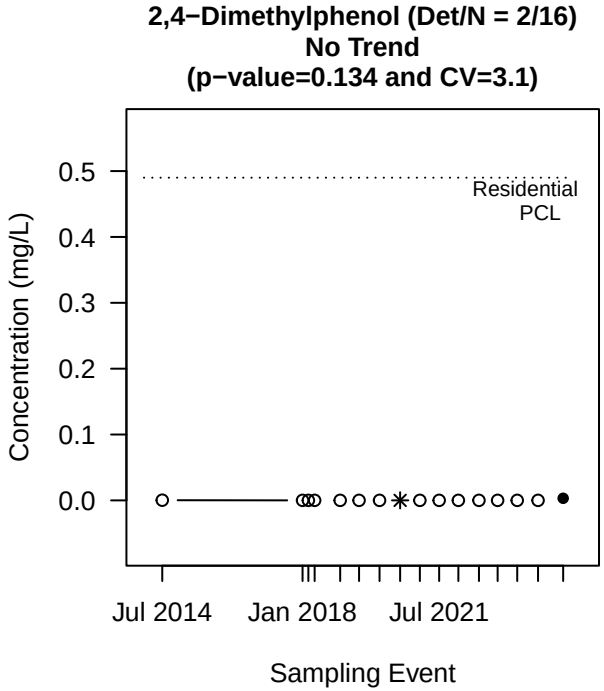


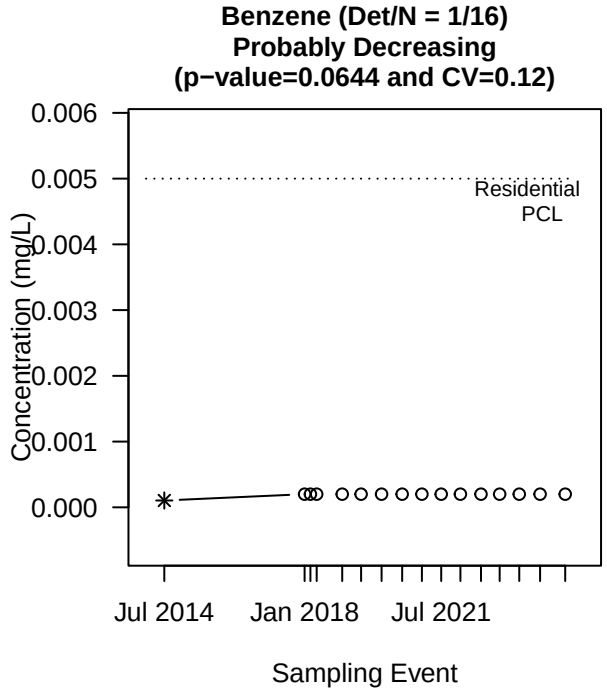


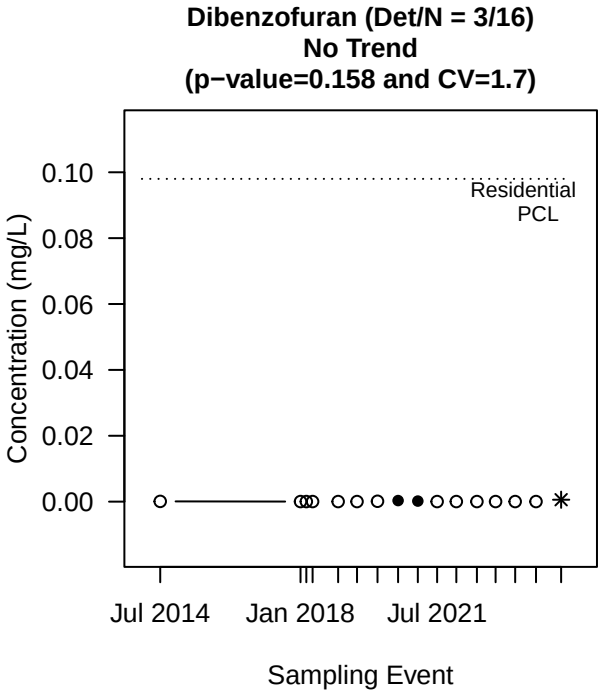
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

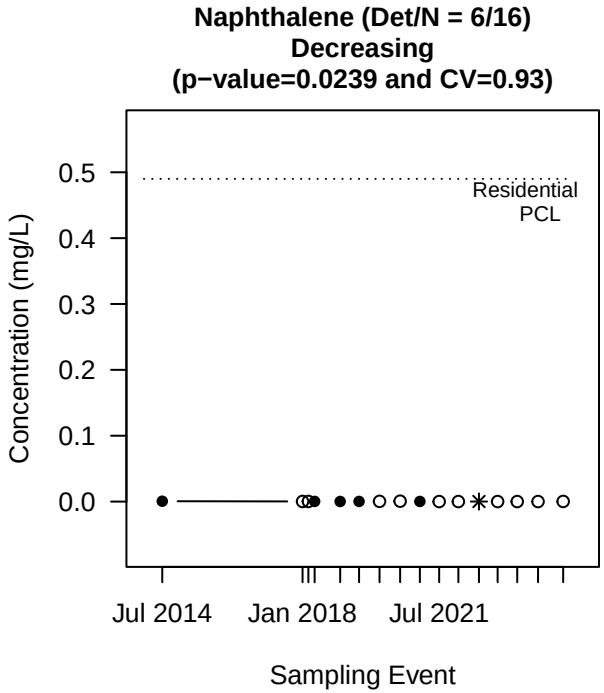
Mann−Kendall Trend Tests for MW−51C

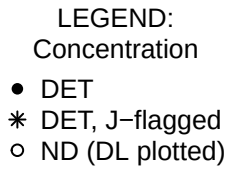








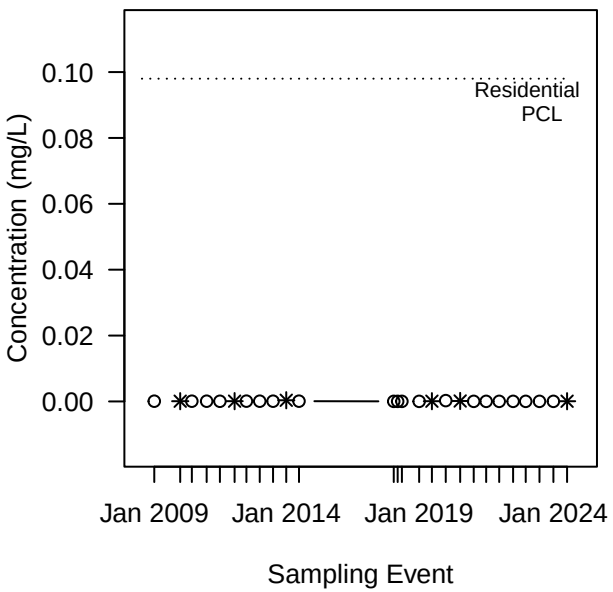




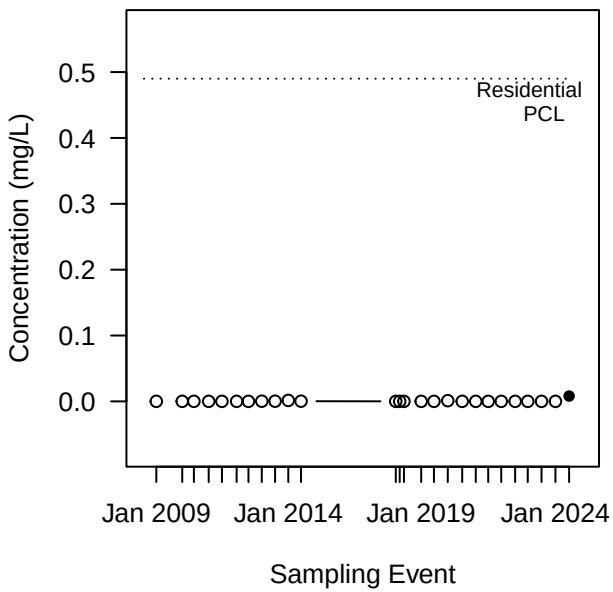
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−53C

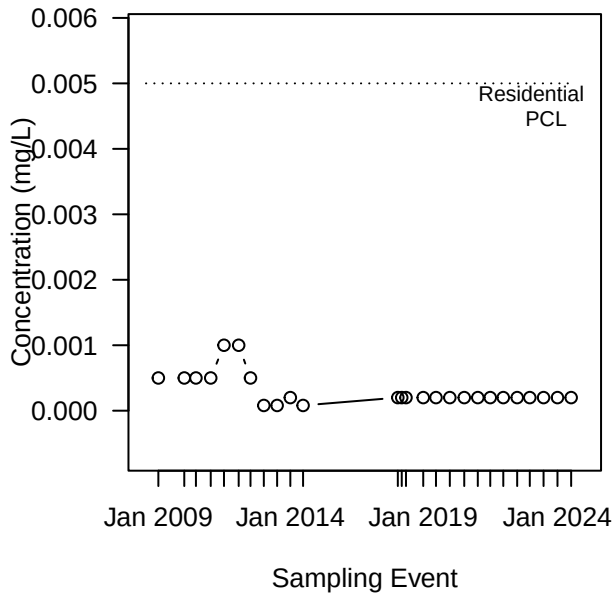
2−Methylnaphthalene (Det/N = 6/26)
No Trend
(p−value=0.428 and CV=1.1)



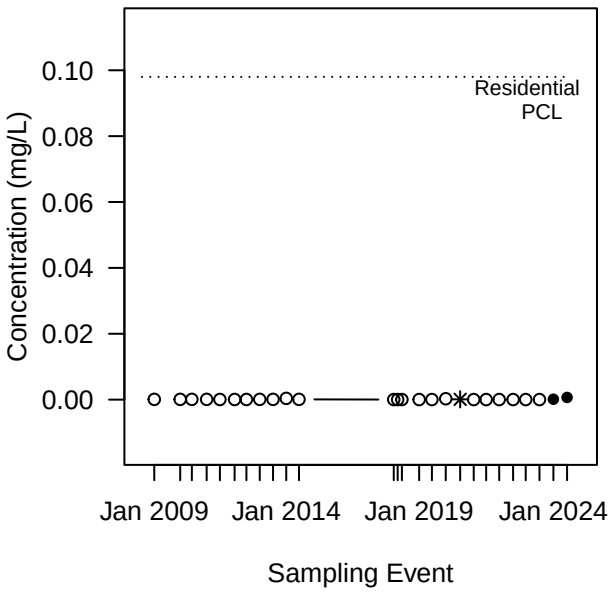
2,4−Dimethylphenol (Det/N = 1/26)
Probably Increasing
(p−value=0.0548 and CV=3.3)



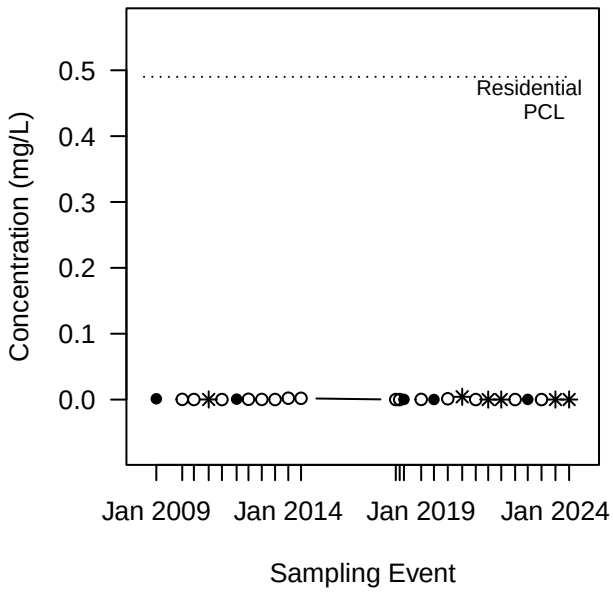
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 3/26)
Increasing
(p−value=0.00912 and CV=1.5)



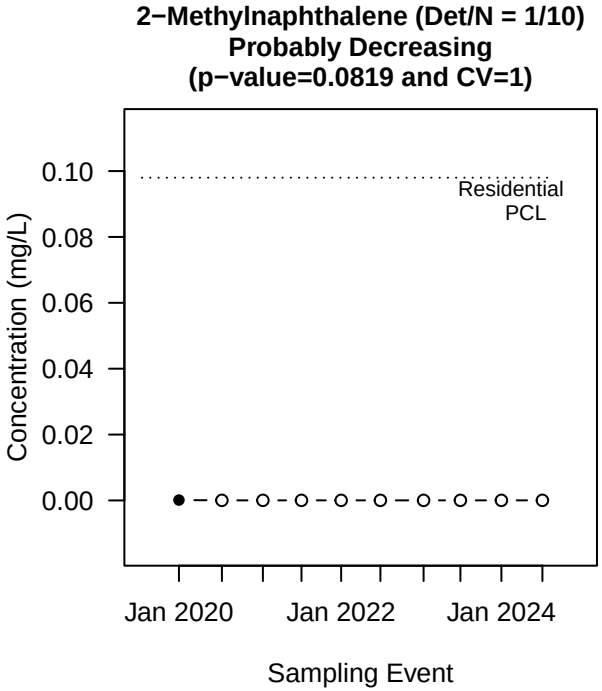
Naphthalene (Det/N = 11/26)
No Trend
(p−value=0.223 and CV=1.8)

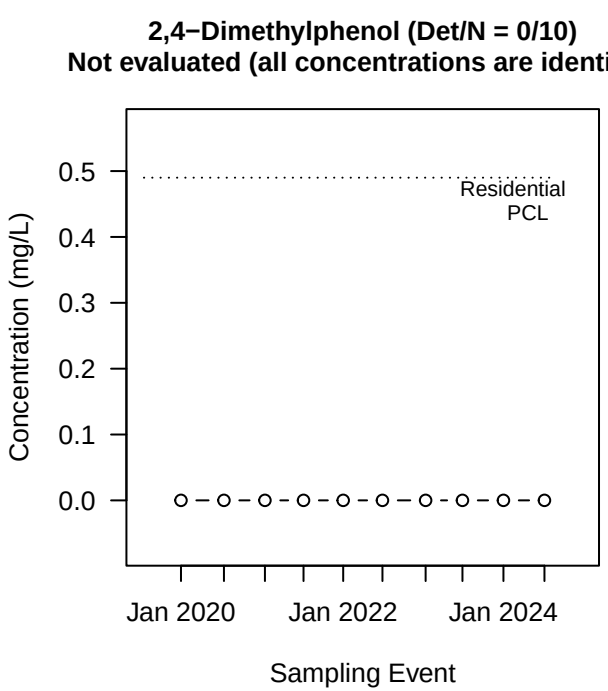


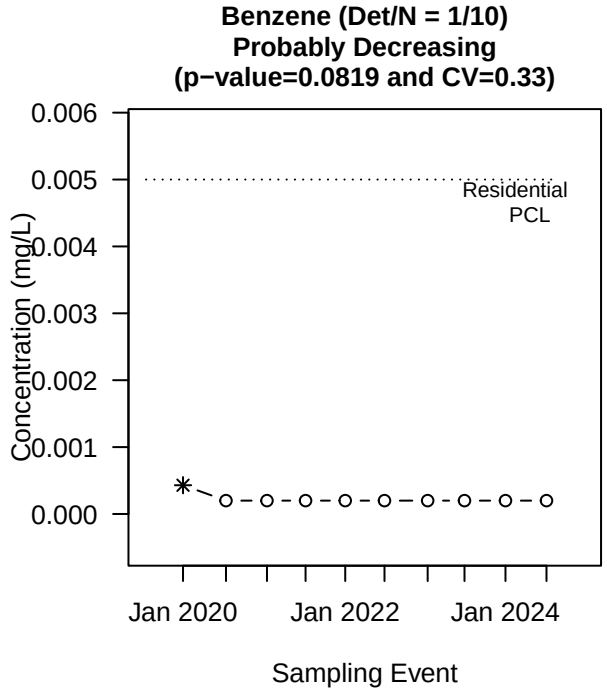
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

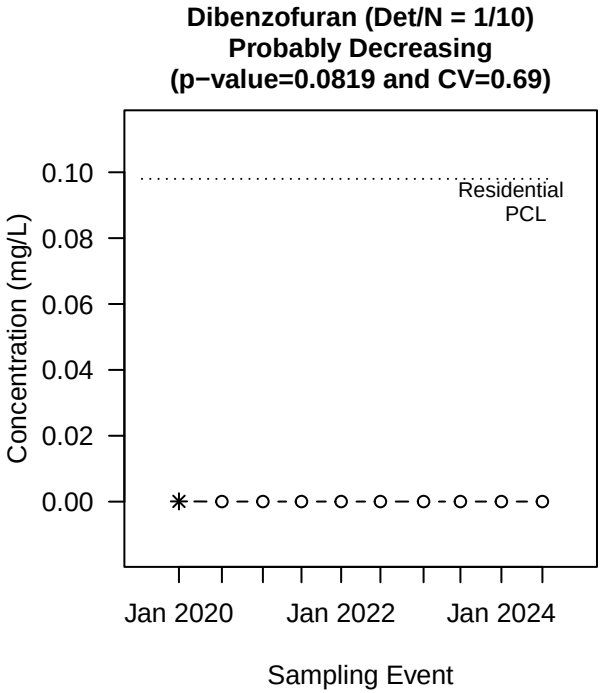
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

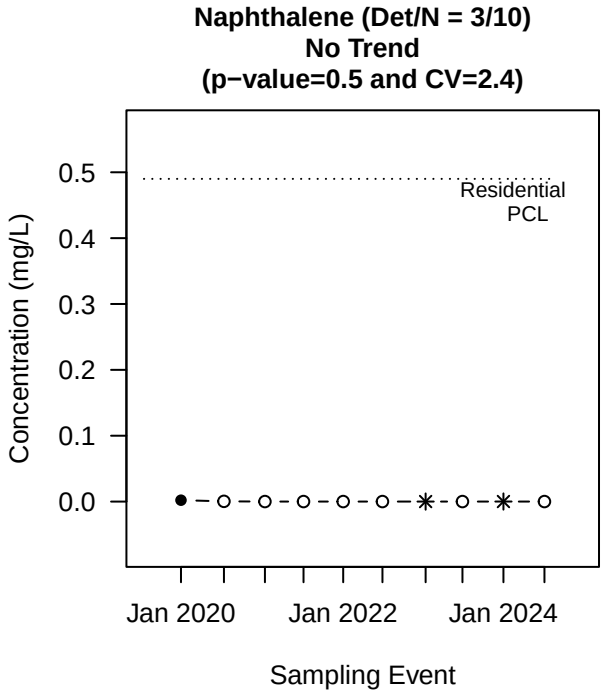
Mann−Kendall Trend Tests for MW−54B









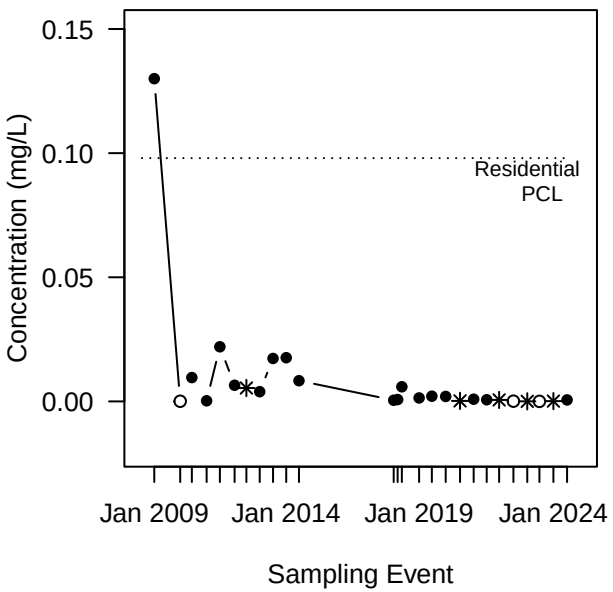


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

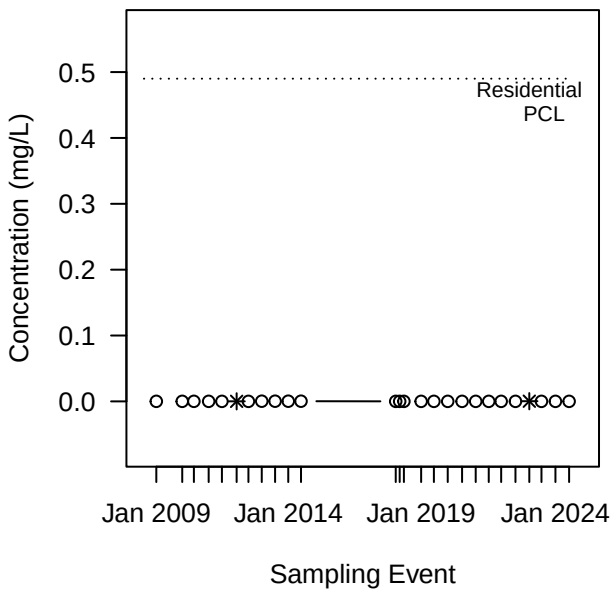
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−54C

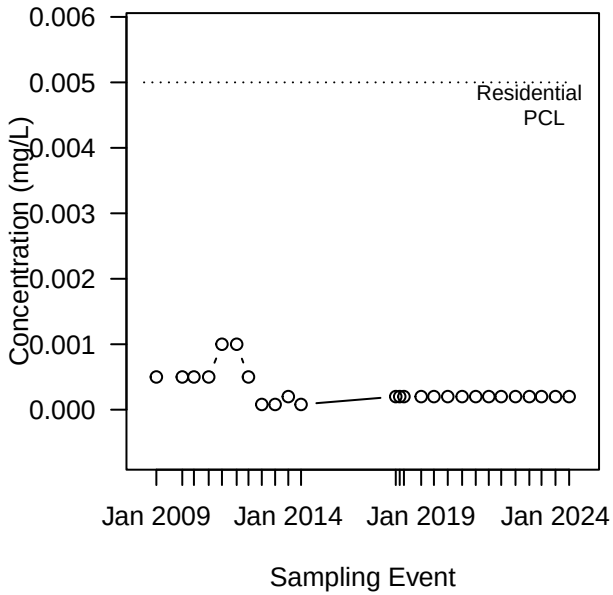
2−Methylnaphthalene (Det/N = 23/26)
Decreasing
(p−value=0.000288 and CV=2.8)



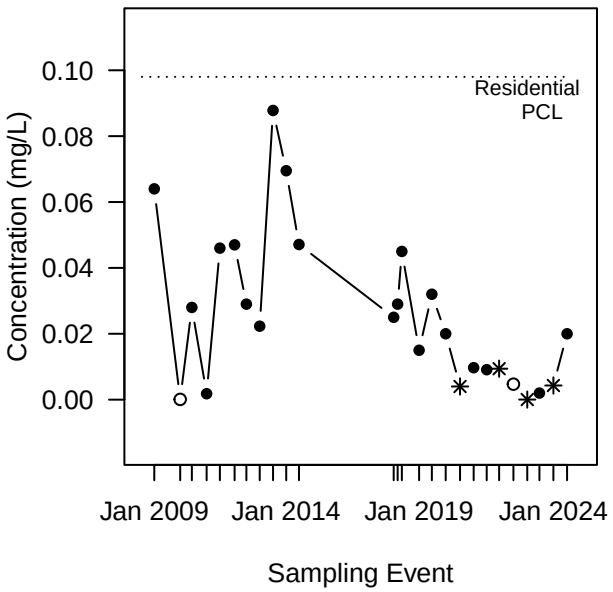
2,4−Dimethylphenol (Det/N = 2/26)
No Trend
(p−value=0.424 and CV=1)



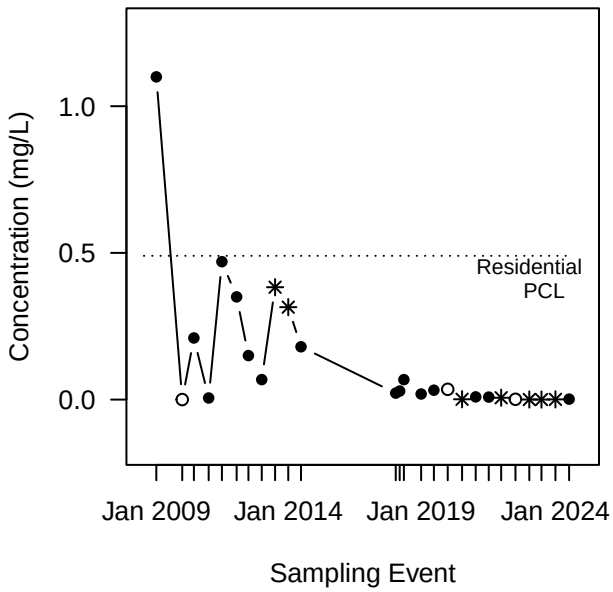
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 24/26)
Decreasing
(p−value=0.0038 and CV=0.91)



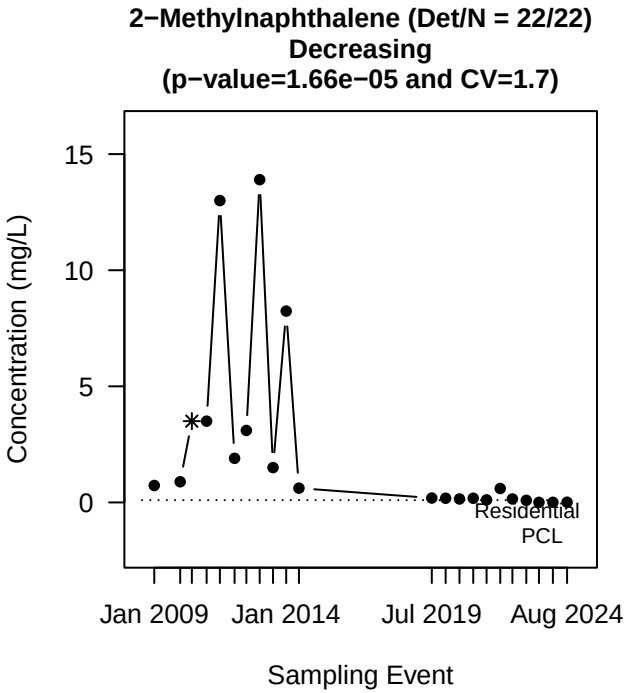
Naphthalene (Det/N = 23/26)
Decreasing
(p−value=8.08e−05 and CV=1.8)

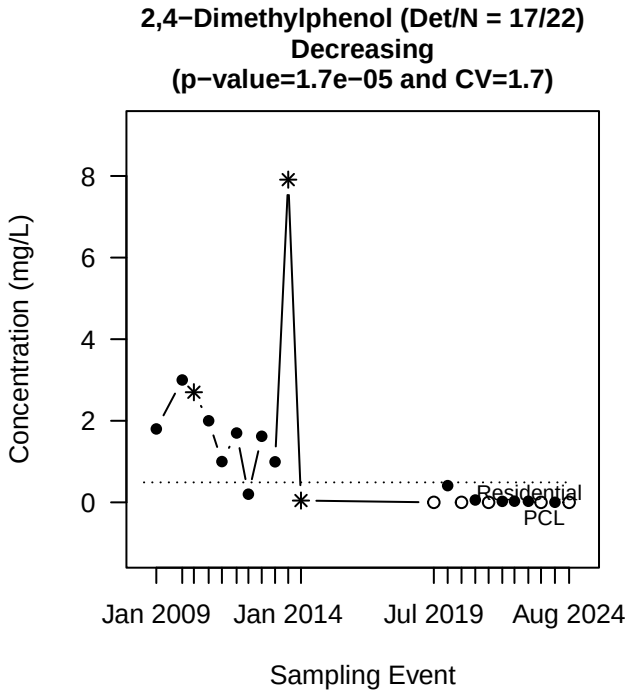


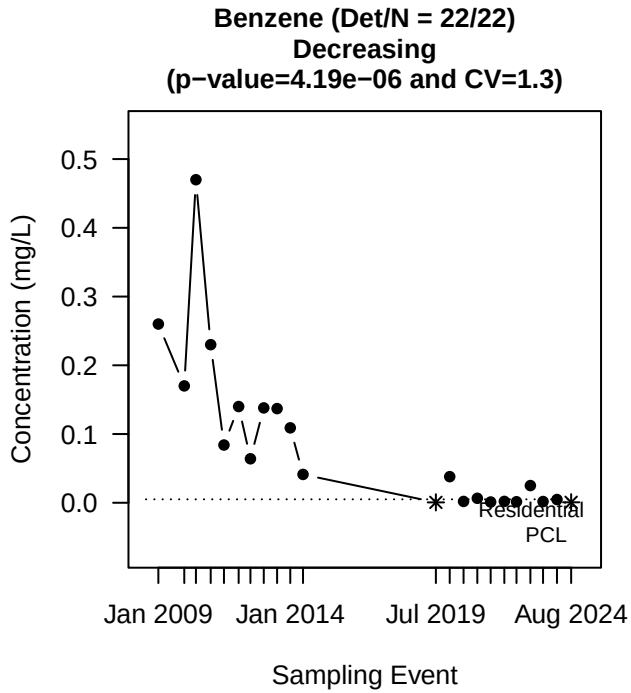
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

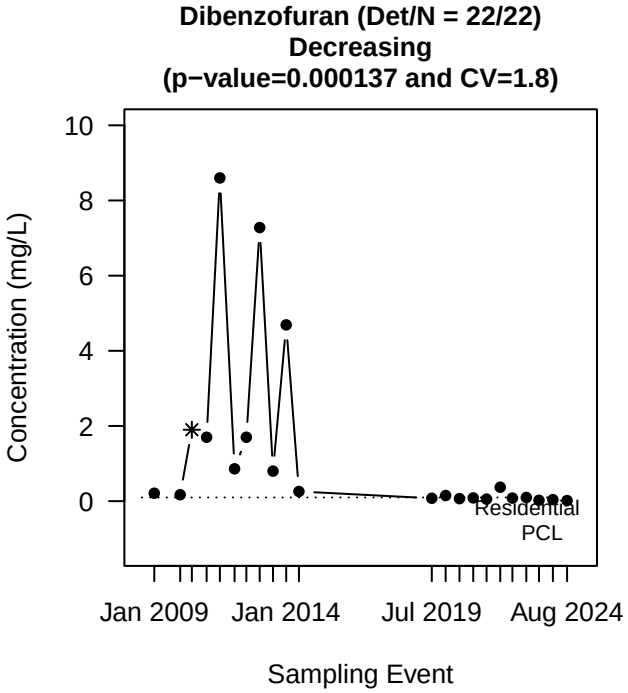
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

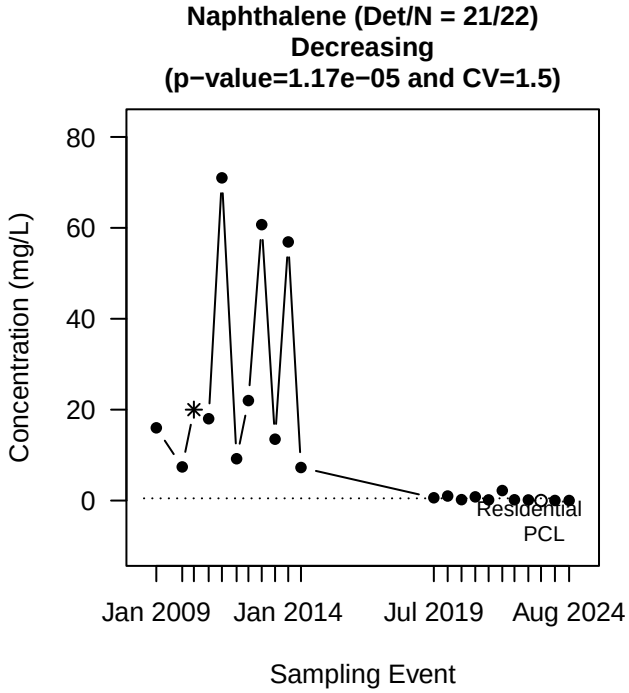
Mann−Kendall Trend Tests for MW−57A







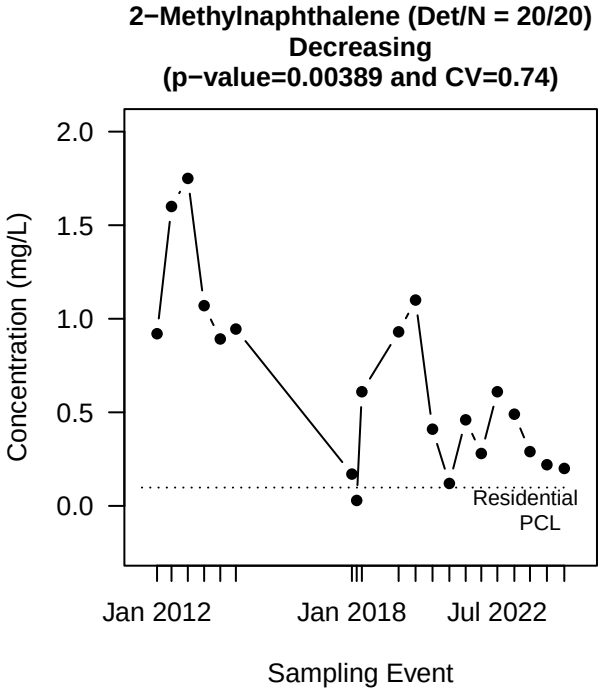


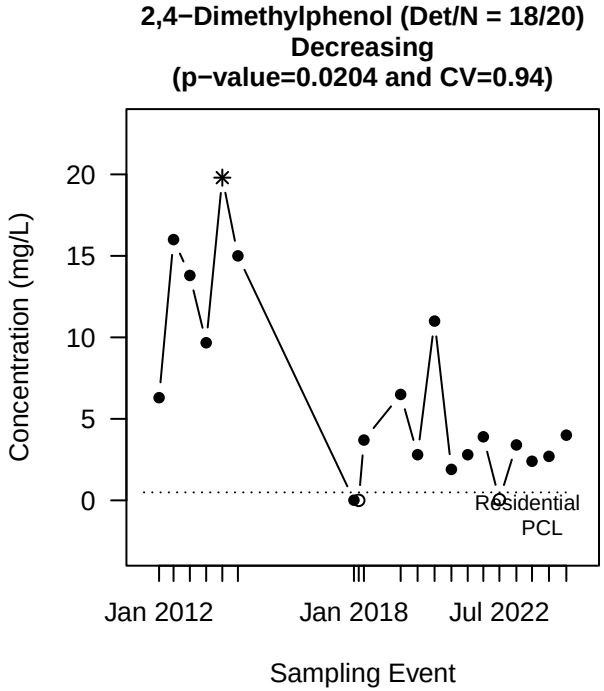


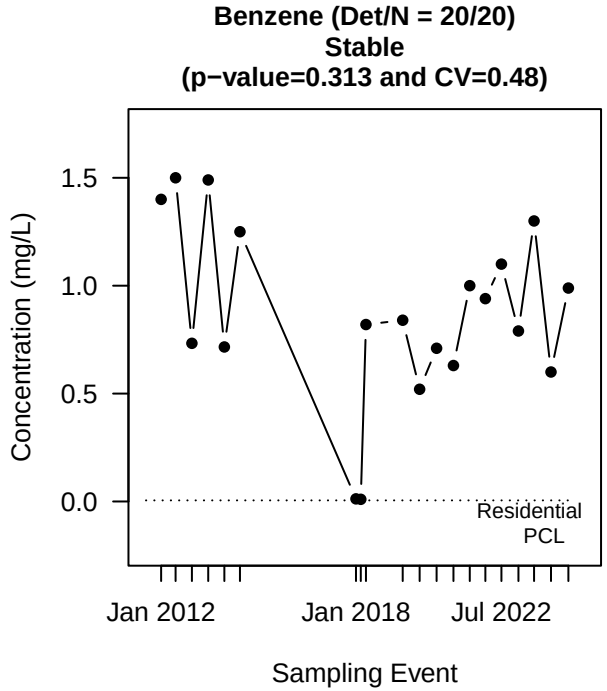
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

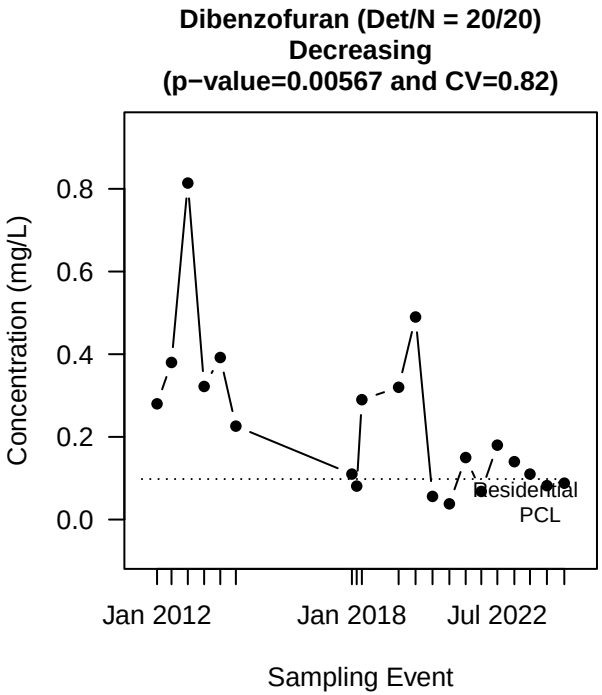
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

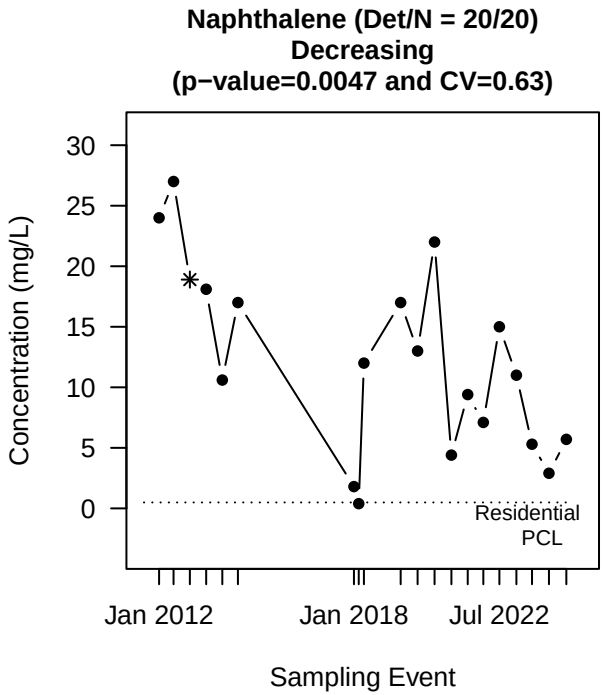
Mann−Kendall Trend Tests for MW−57B

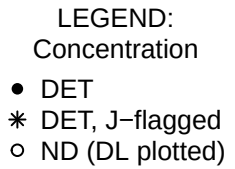






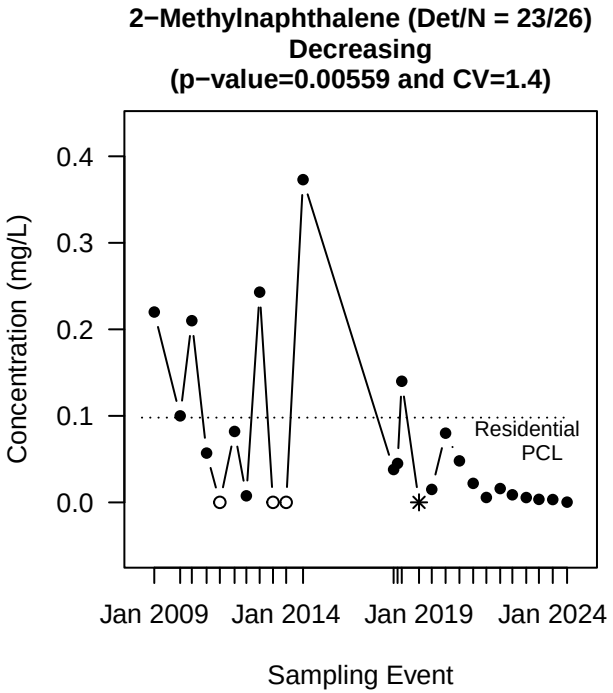


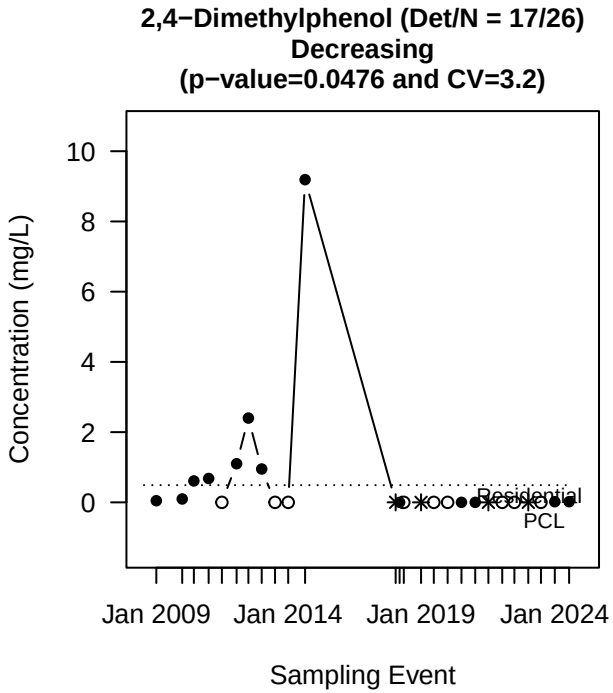


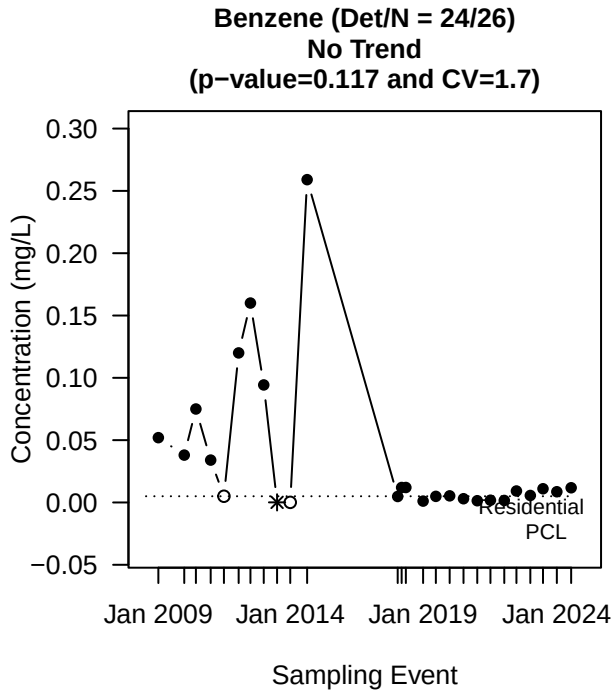


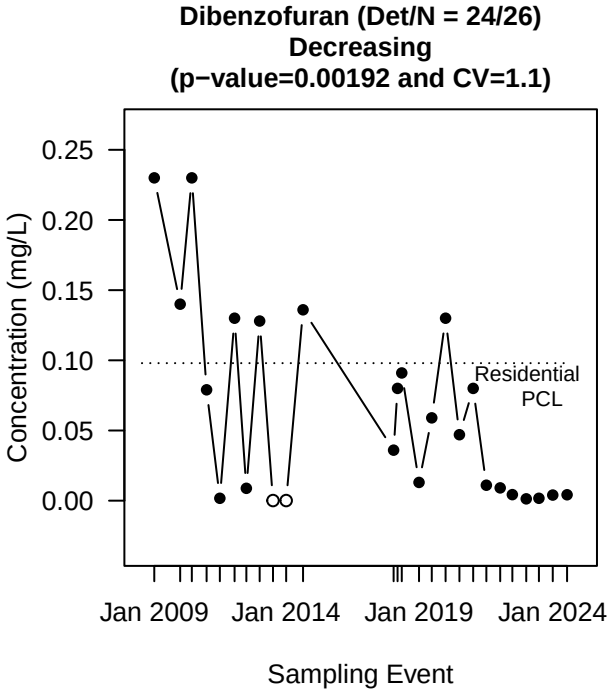
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

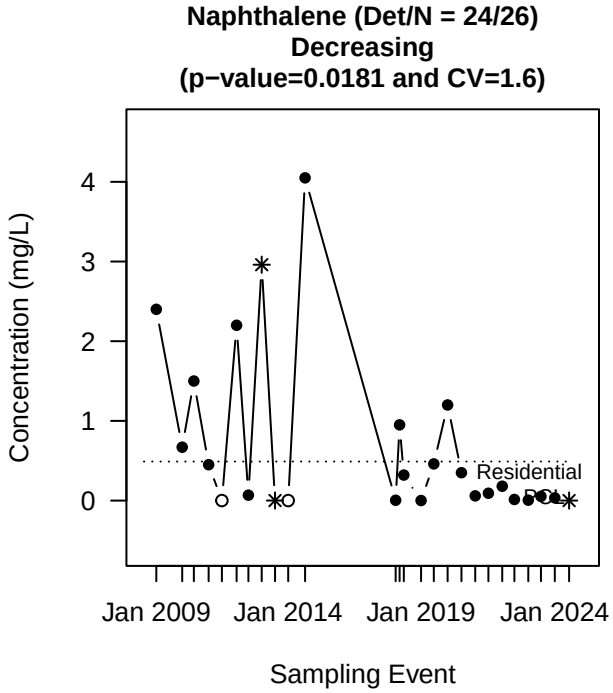
Mann−Kendall Trend Tests for MW−58A

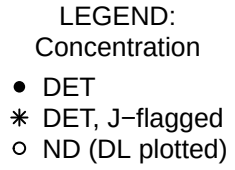








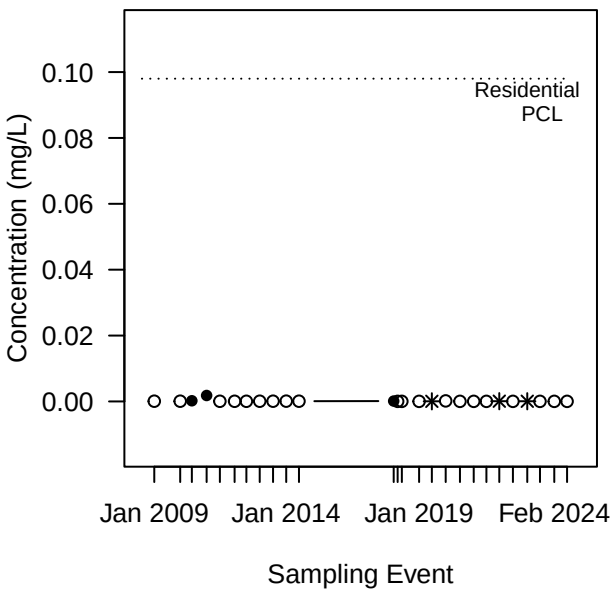




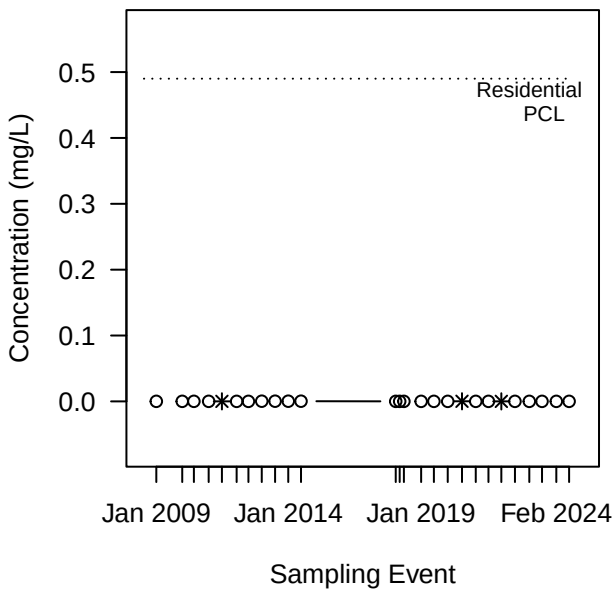
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59A

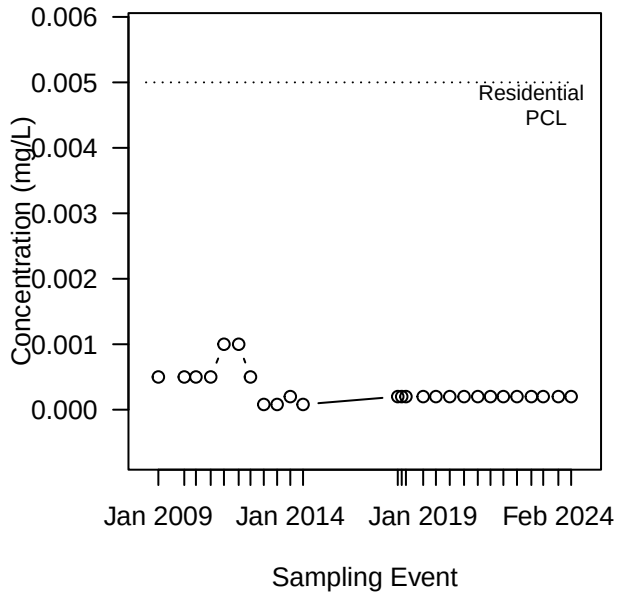
2−Methylnaphthalene (Det/N = 6/26)
No Trend
(p−value=0.359 and CV=2.8)



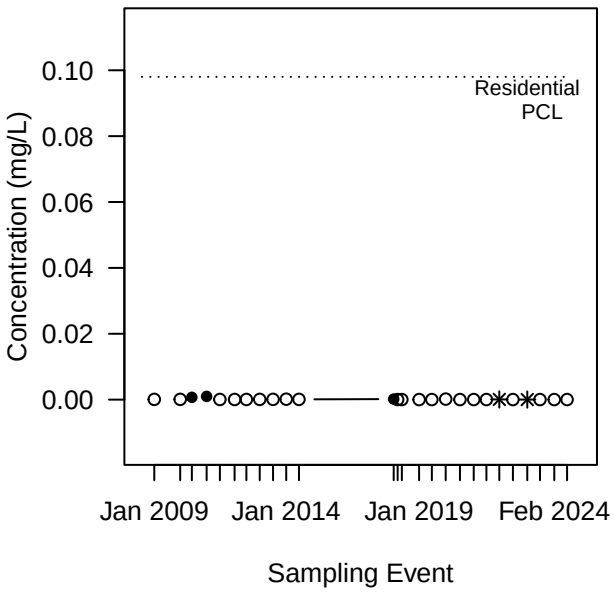
2,4−Dimethylphenol (Det/N = 3/26)
No Trend
(p−value=0.421 and CV=1)



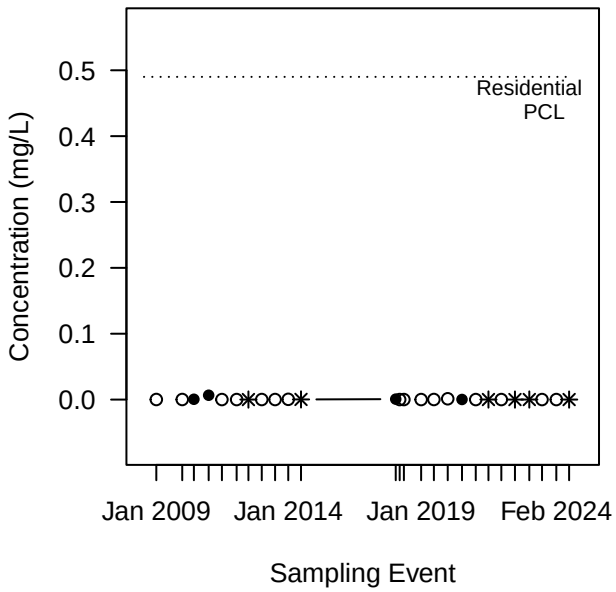
Benzene (Det/N = 0/26)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/26)
No Trend
(p−value=0.303 and CV=1.9)



Naphthalene (Det/N = 10/26)
No Trend
(p−value=0.5 and CV=3.1)

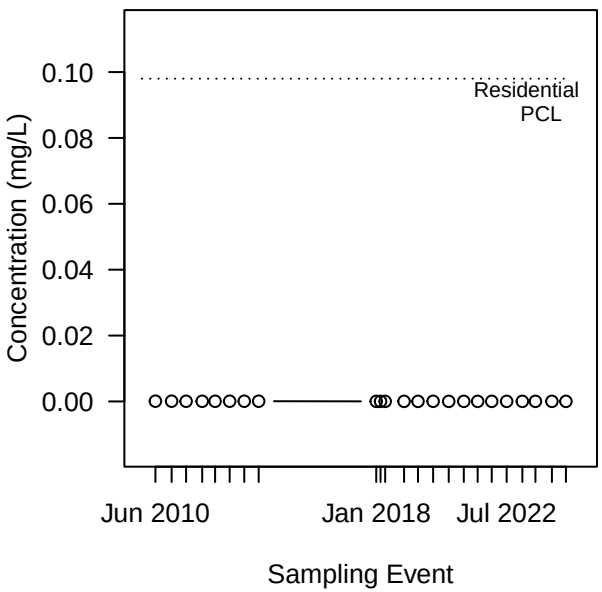


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

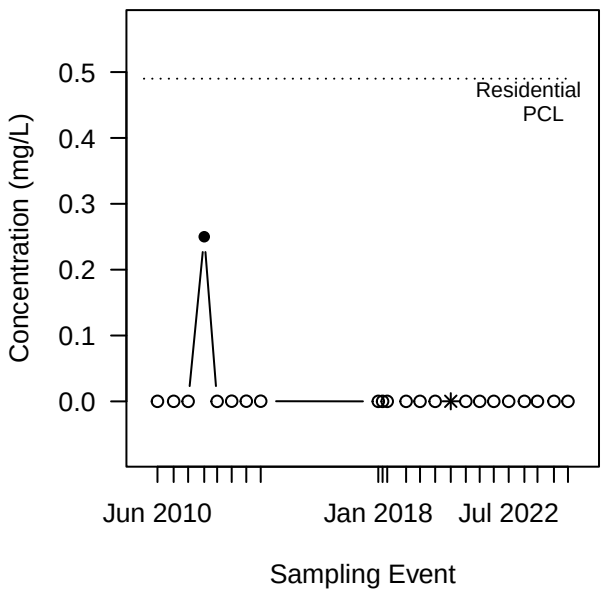
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59B

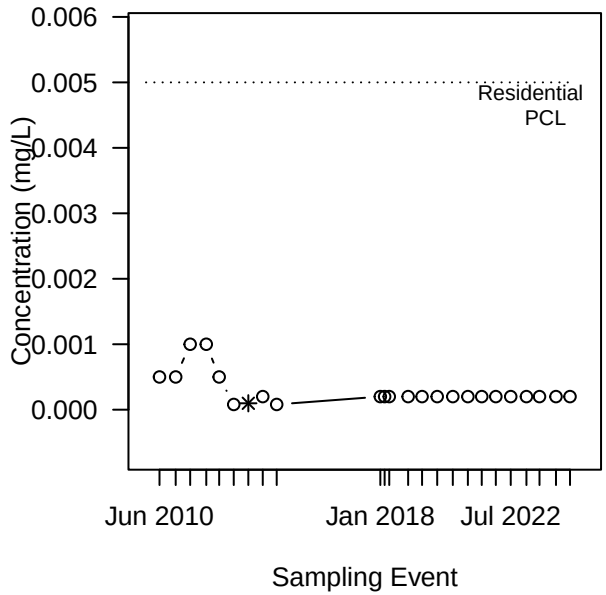
2−Methylnaphthalene (Det/N = 0/23)
Not evaluated − All NDs



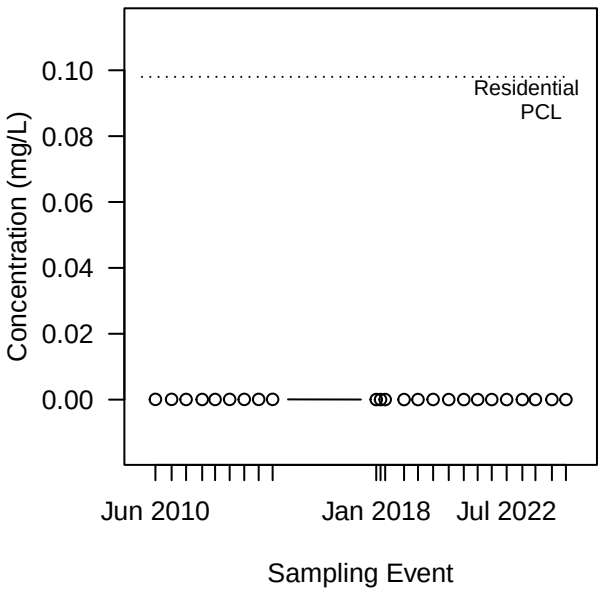
2,4−Dimethylphenol (Det/N = 2/23)
No Trend
(p−value=0.293 and CV=4.8)



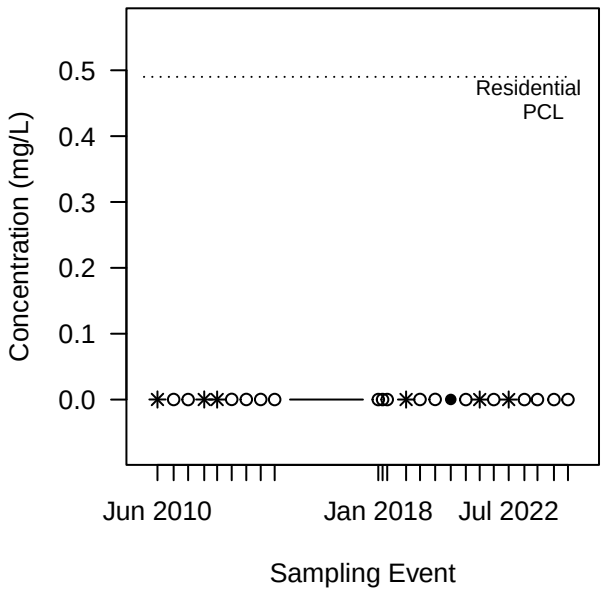
Benzene (Det/N = 1/24)
Stable
(p−value=0.235 and CV=0.85)



Dibenzofuran (Det/N = 0/24)
Not evaluated − All NDs



Naphthalene (Det/N = 7/24)
Stable
(p−value=0.168 and CV=0.88)

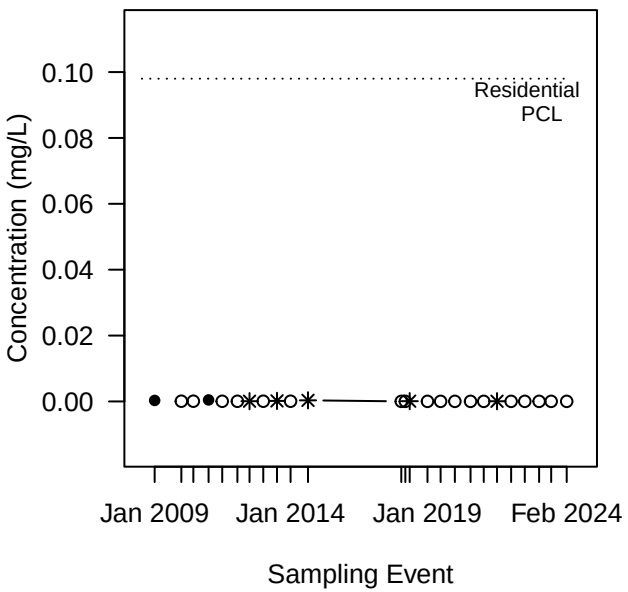


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

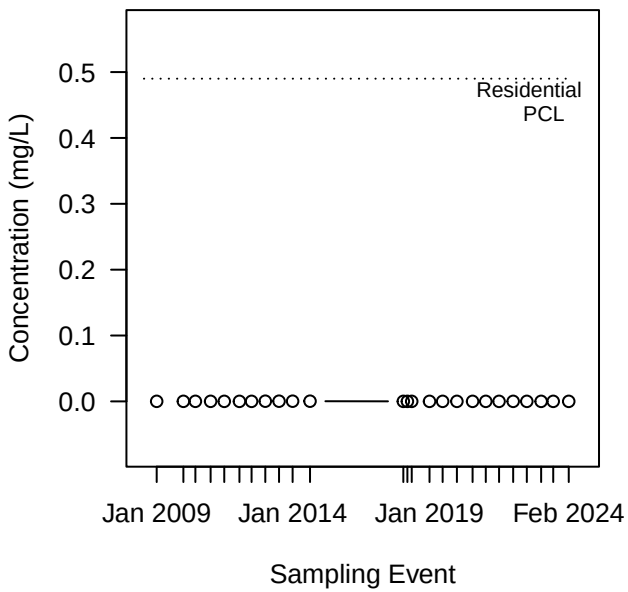
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59D

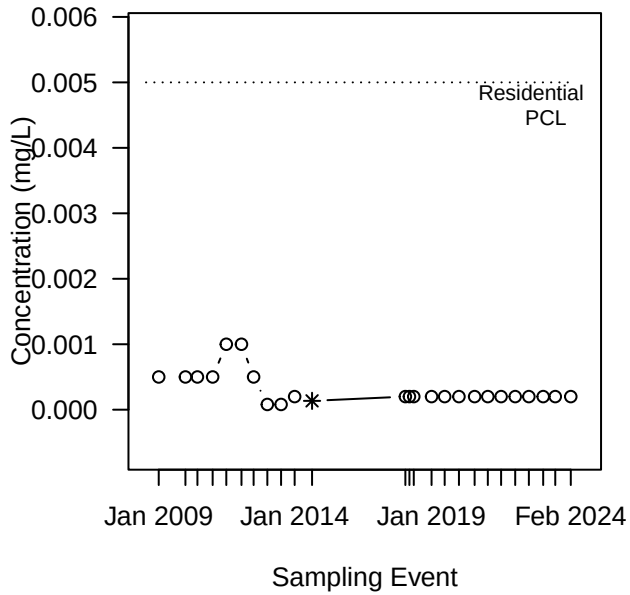
2−Methylnaphthalene (Det/N = 7/25)
Decreasing
(p−value=0.0427 and CV=1.4)



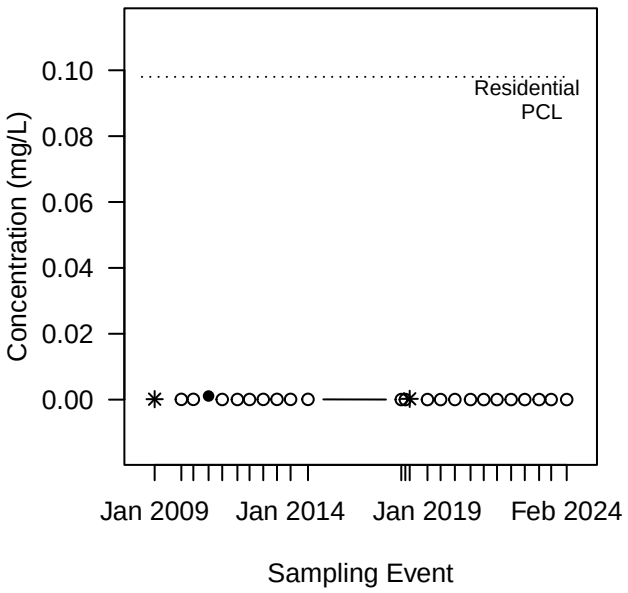
2,4−Dimethylphenol (Det/N = 0/25)
Not evaluated − All NDs



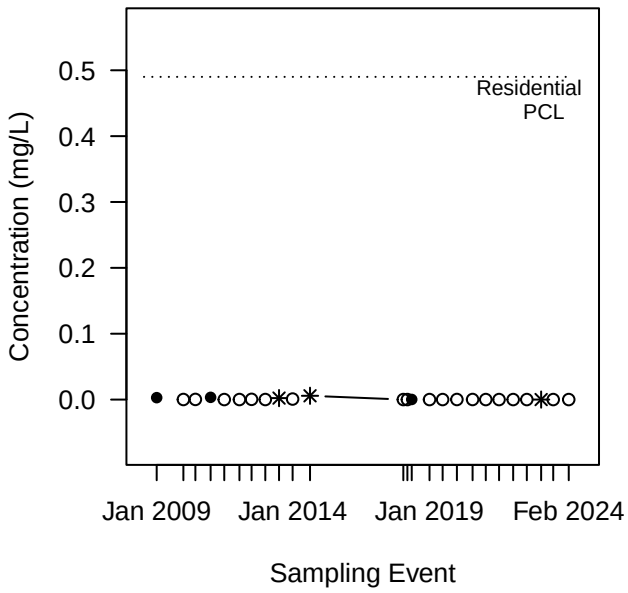
Benzene (Det/N = 1/25)
Stable
(p−value=0.418 and CV=0.79)



Dibenzofuran (Det/N = 3/25)
Probably Decreasing
(p−value=0.0566 and CV=2.3)



Naphthalene (Det/N = 6/25)
No Trend
(p−value=0.117 and CV=2.1)

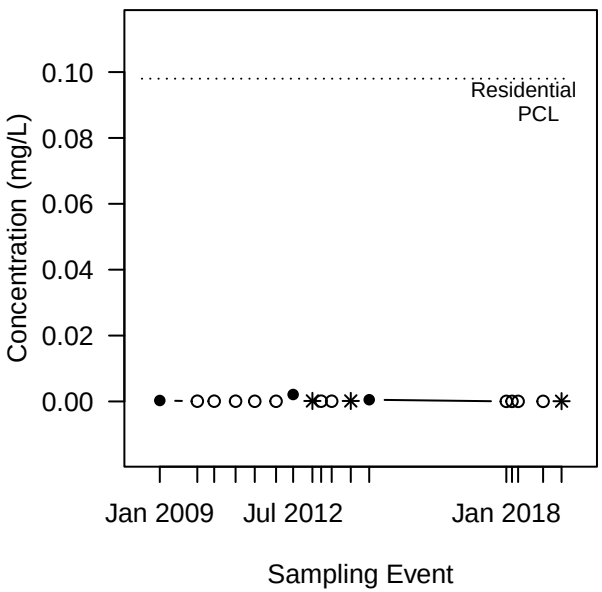


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

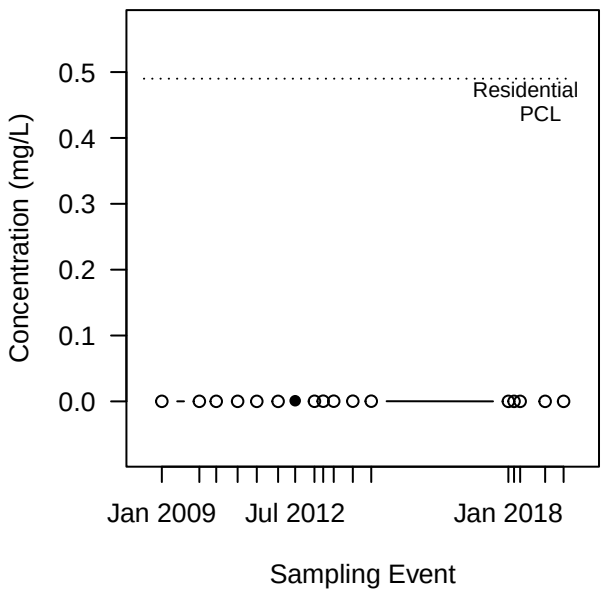
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−60A

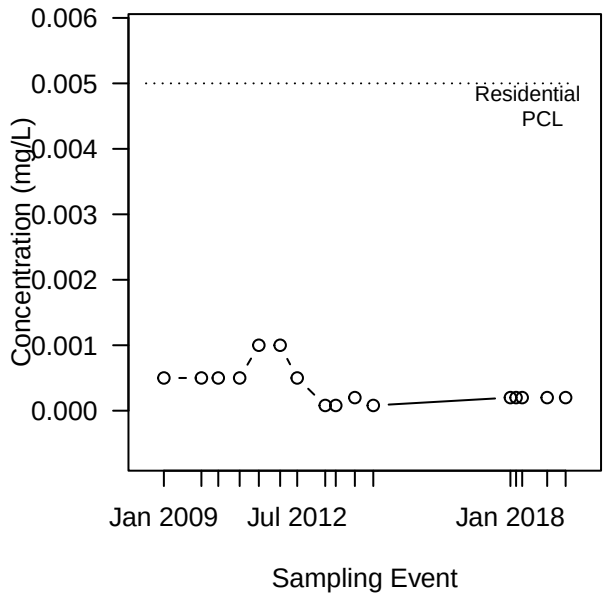
2−Methylnaphthalene (Det/N = 6/17)
No Trend
(p−value=0.461 and CV=2.2)



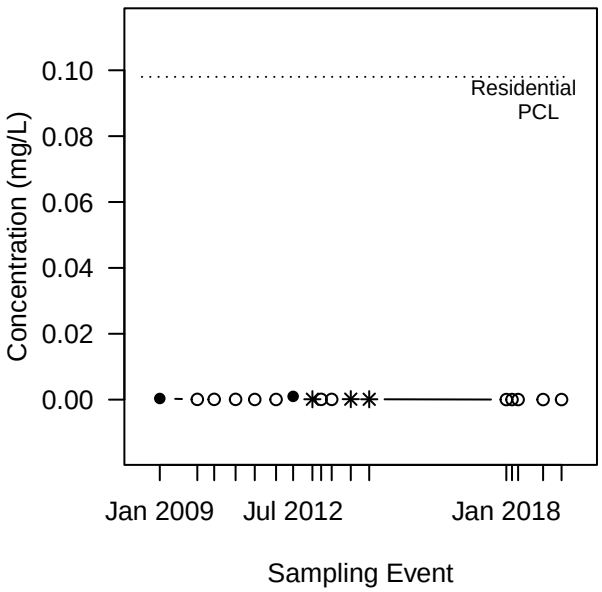
2,4−Dimethylphenol (Det/N = 1/17)
No Trend
(p−value=0.38 and CV=1.4)



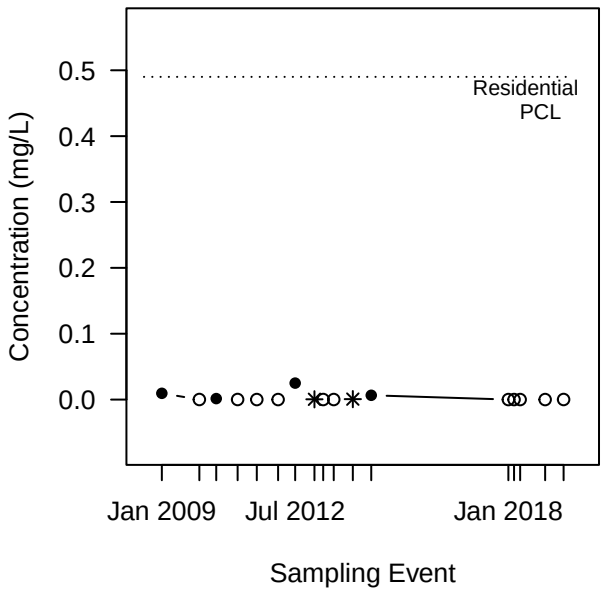
Benzene (Det/N = 0/16)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/17)
No Trend
(p−value=0.191 and CV=1.7)



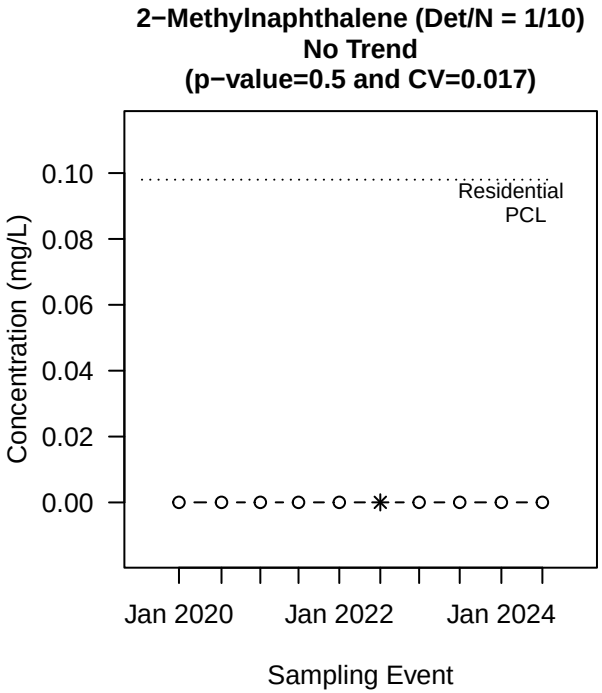
Naphthalene (Det/N = 6/17)
No Trend
(p−value=0.103 and CV=2.4)

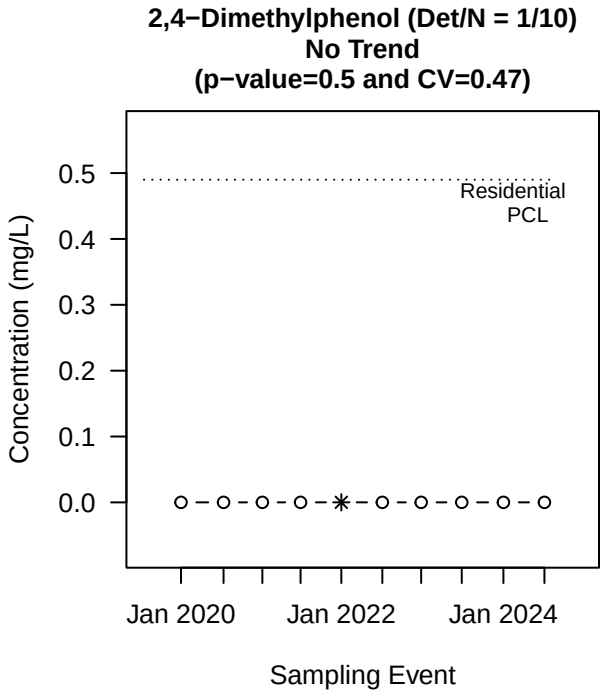


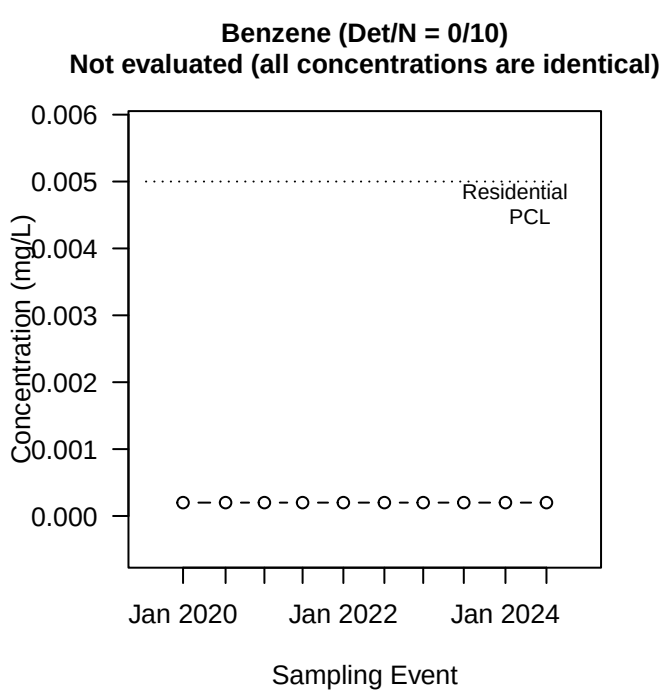
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

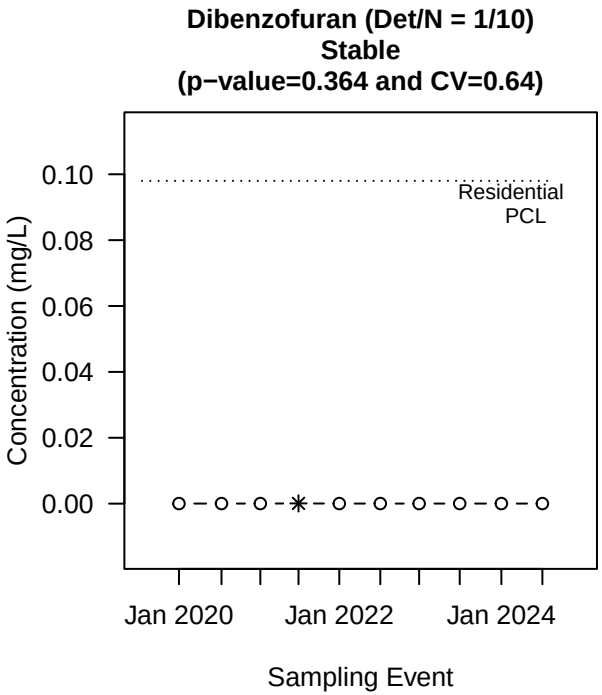
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

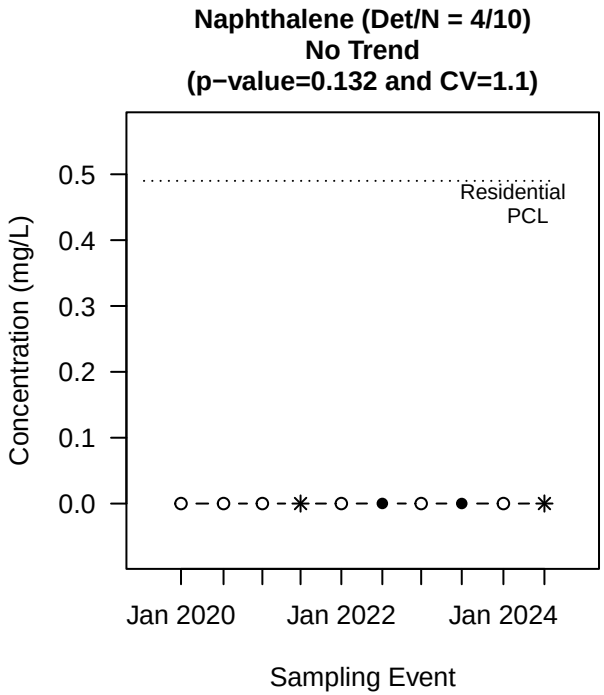
Mann−Kendall Trend Tests for MW−60AR

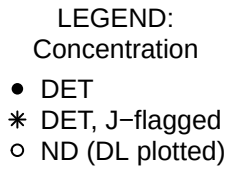






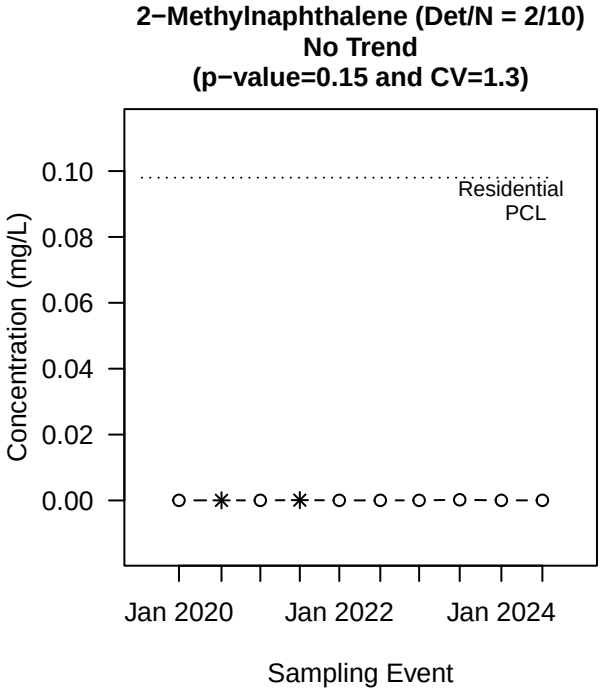


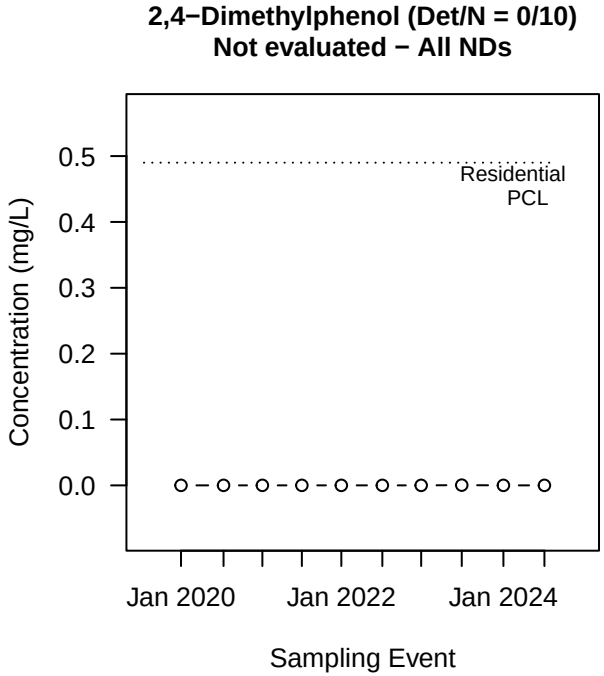


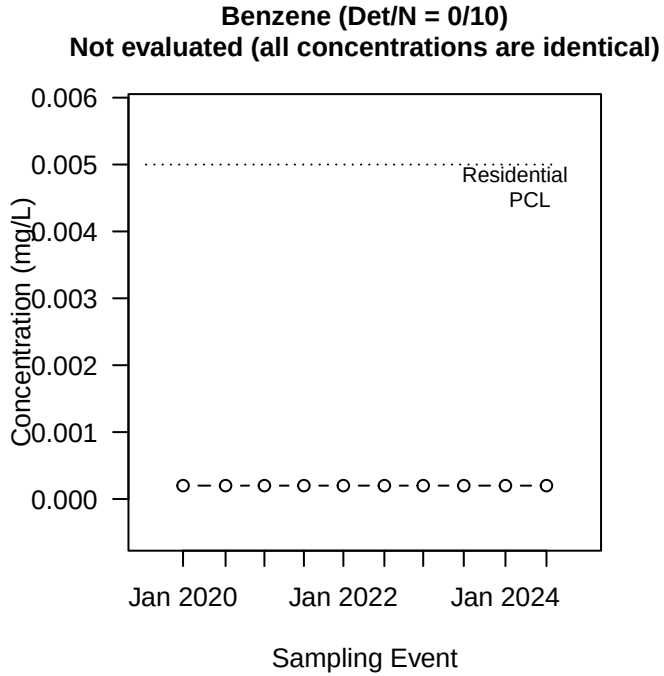


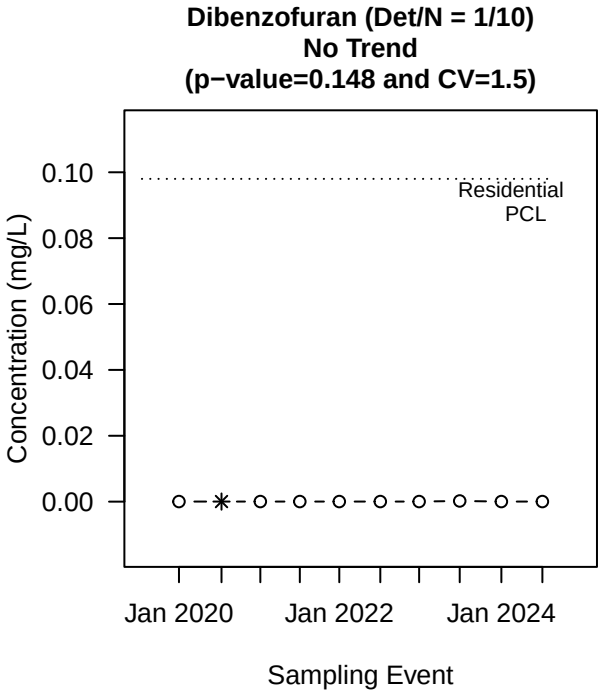
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

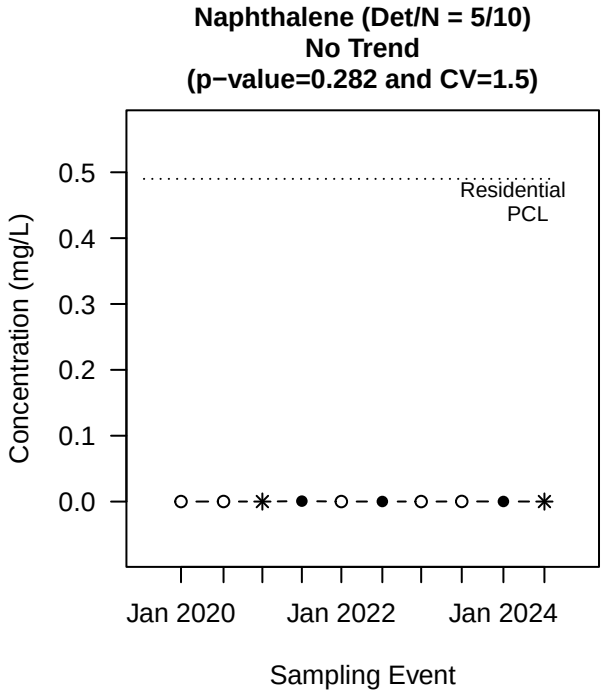
Mann−Kendall Trend Tests for MW−60B

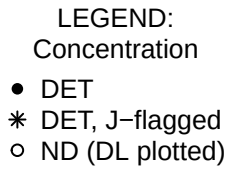






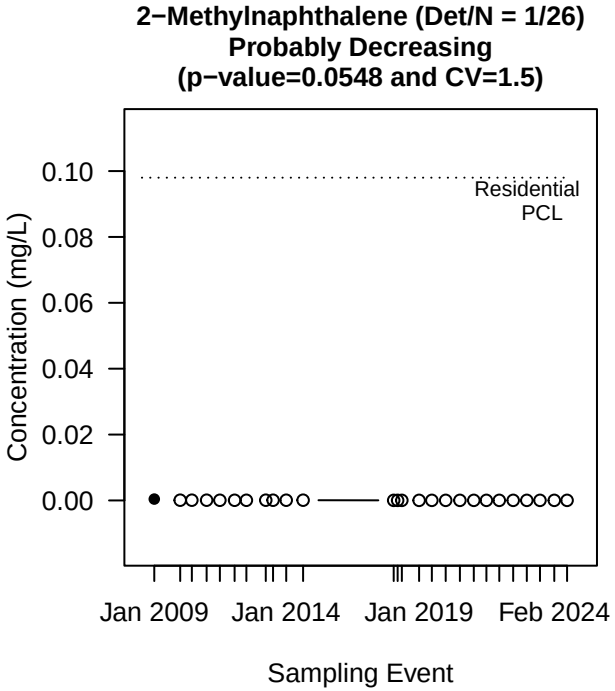


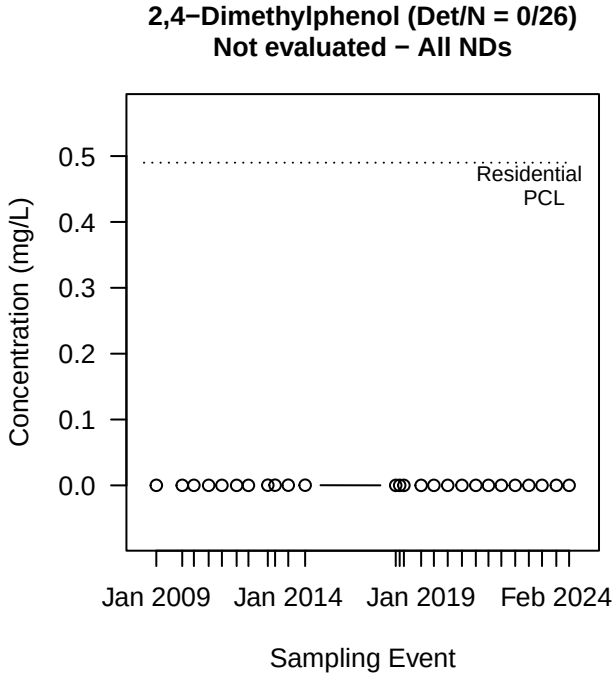


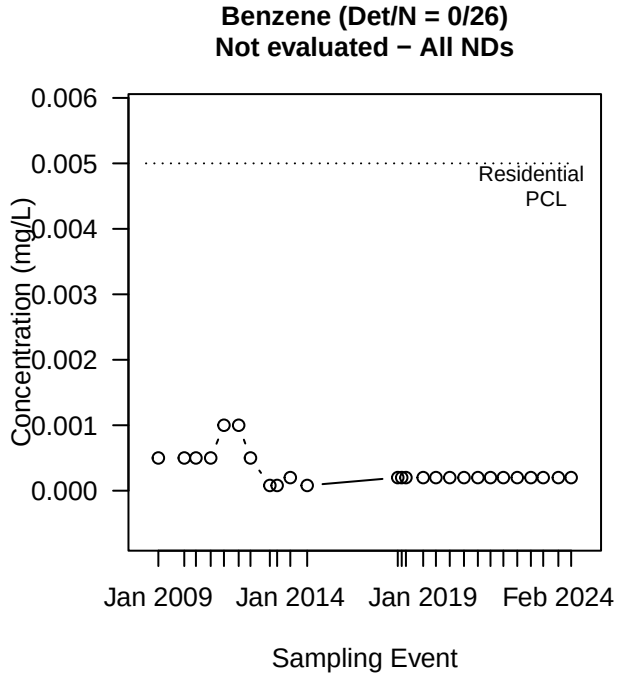


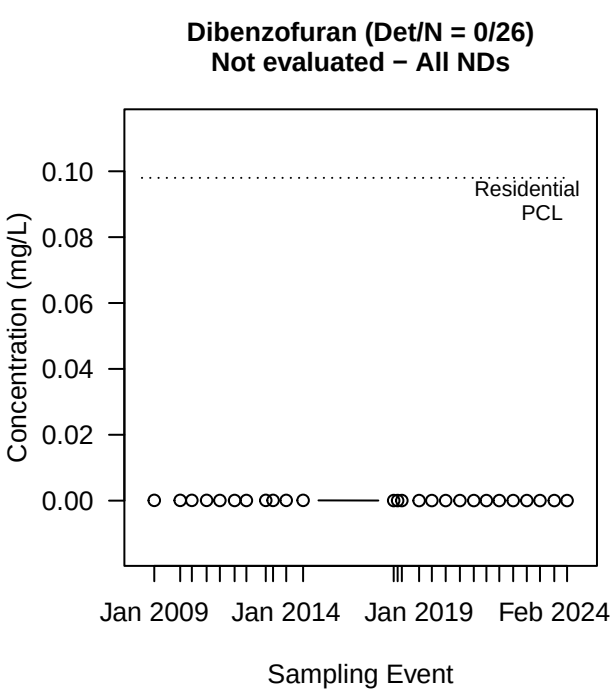
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

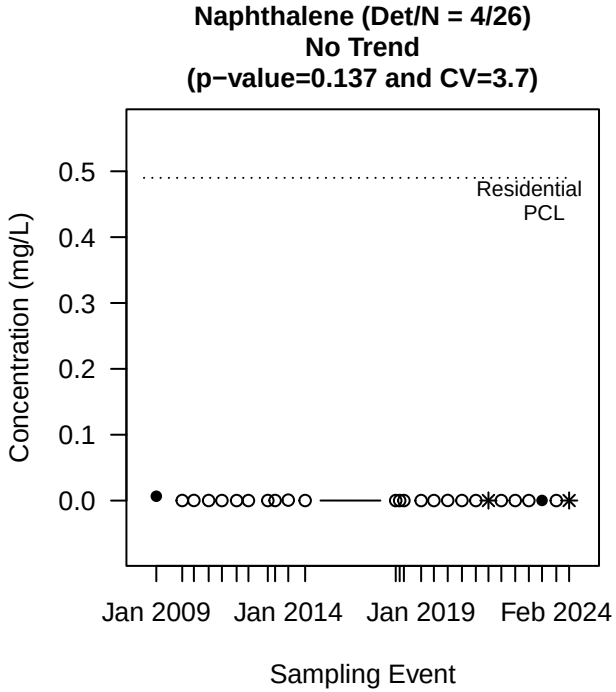
Mann−Kendall Trend Tests for MW−61A

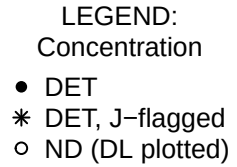






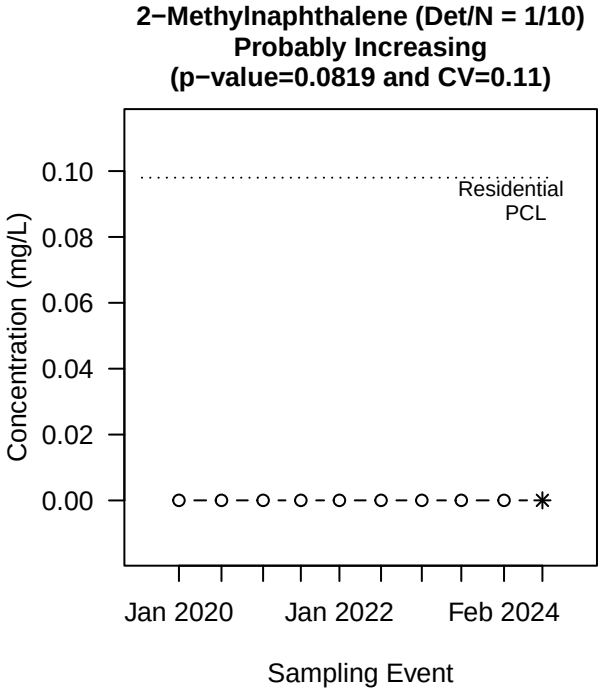


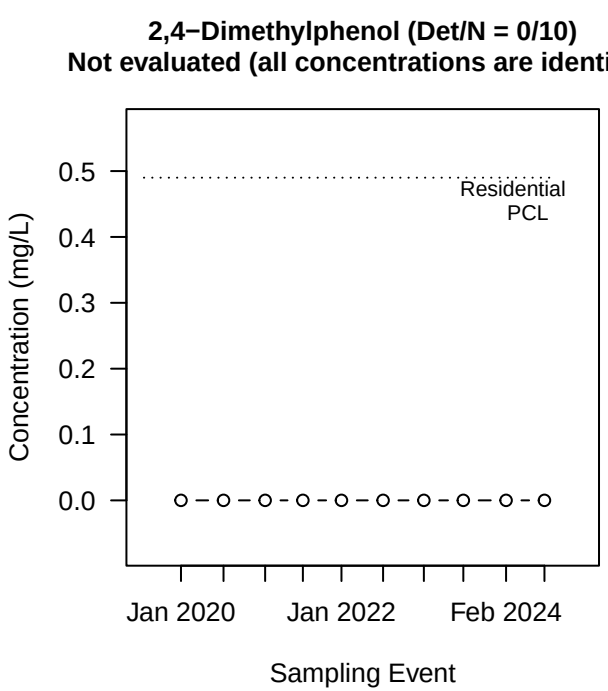


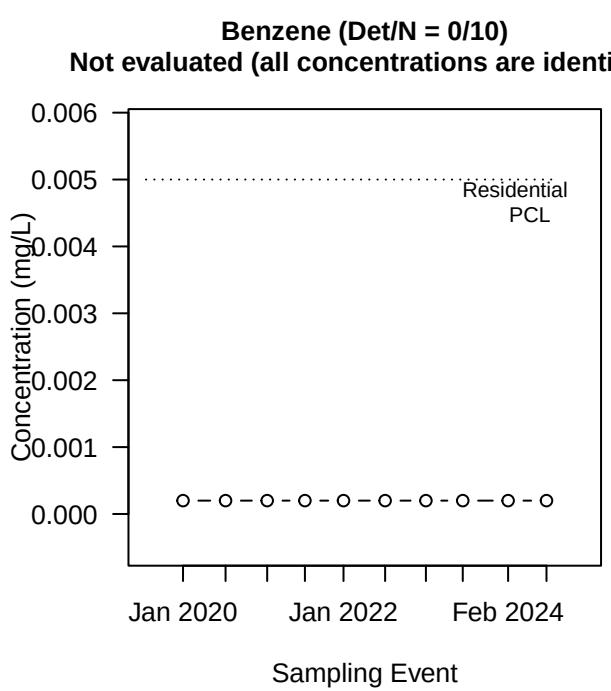


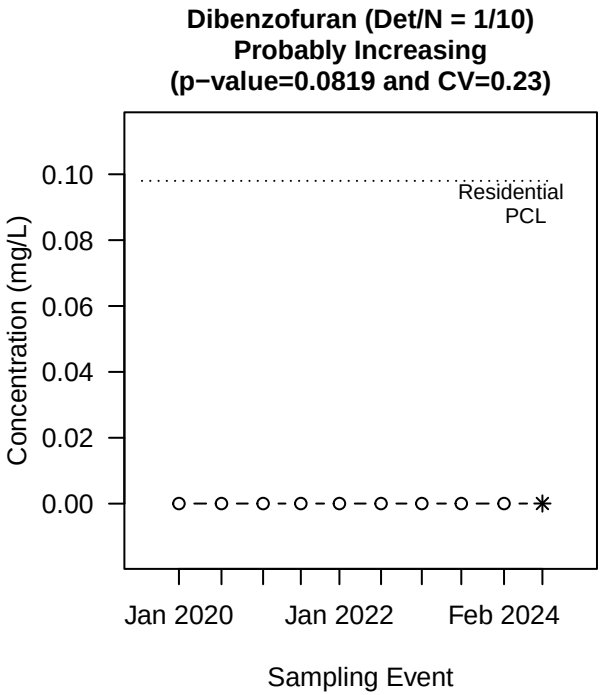
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

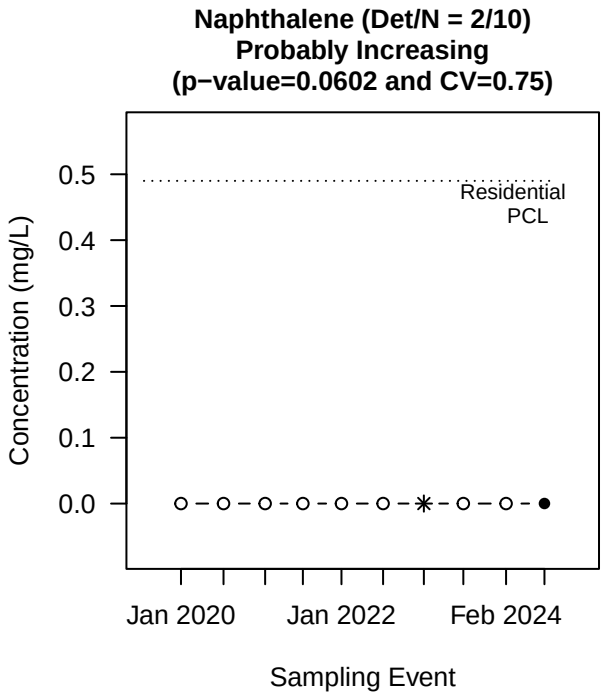
Mann−Kendall Trend Tests for MW−61B

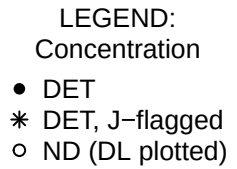






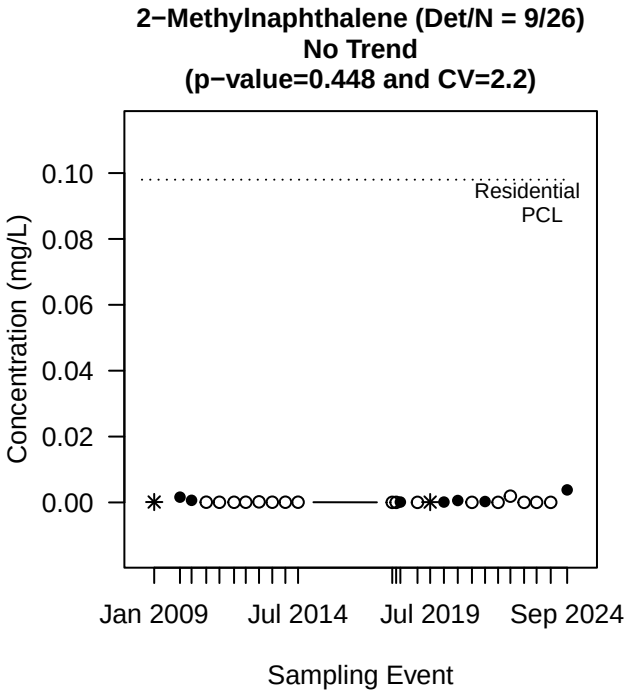


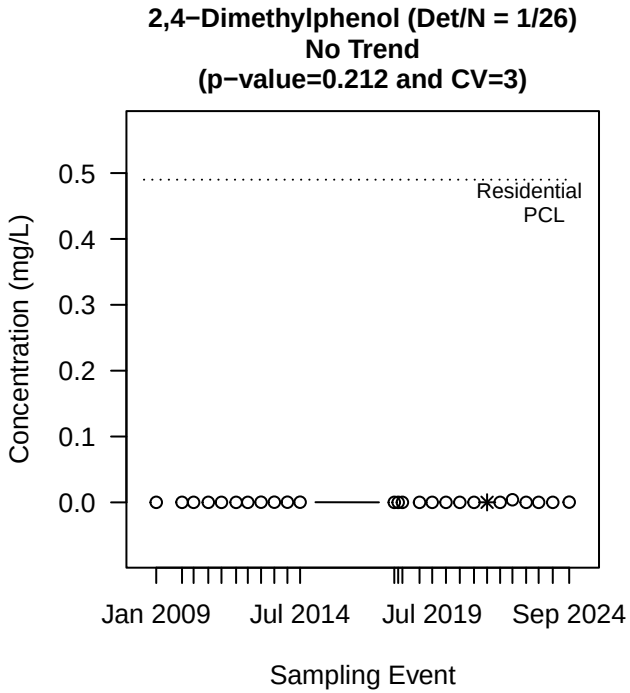


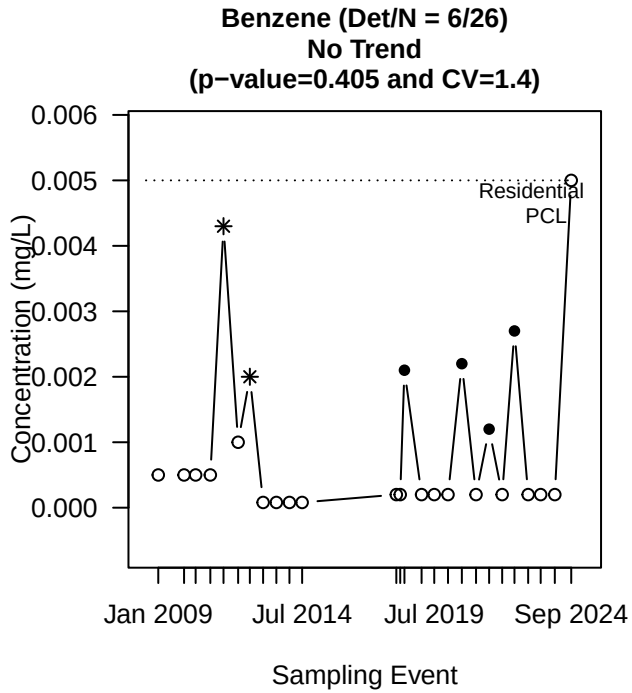


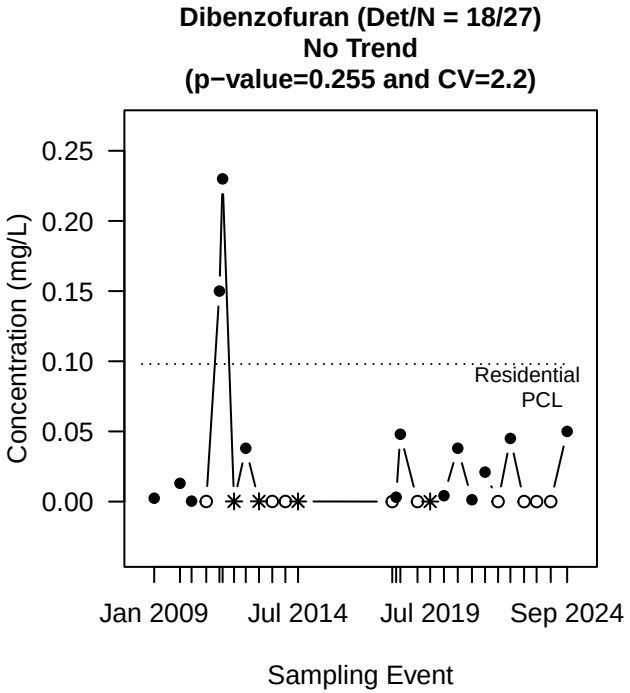
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

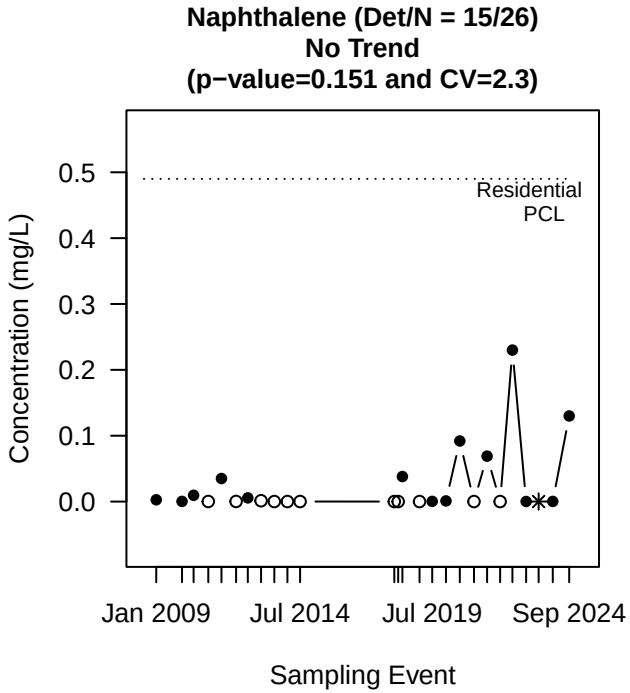
Mann−Kendall Trend Tests for MW−62B

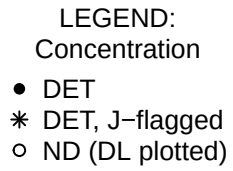






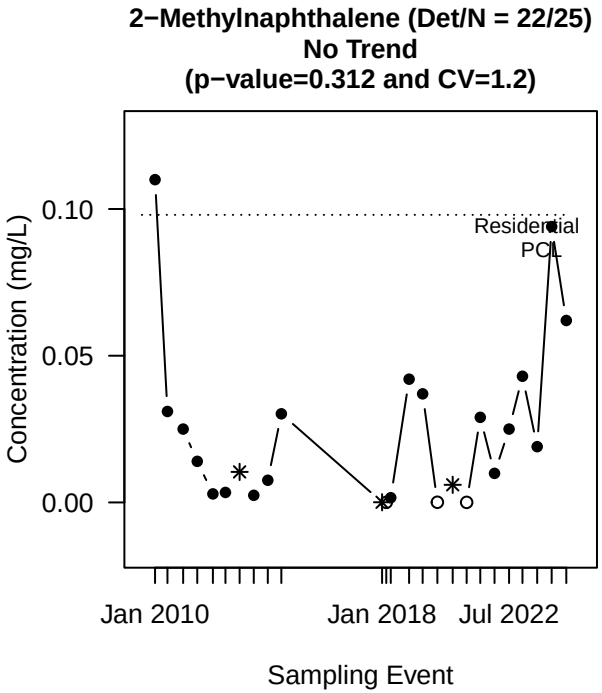


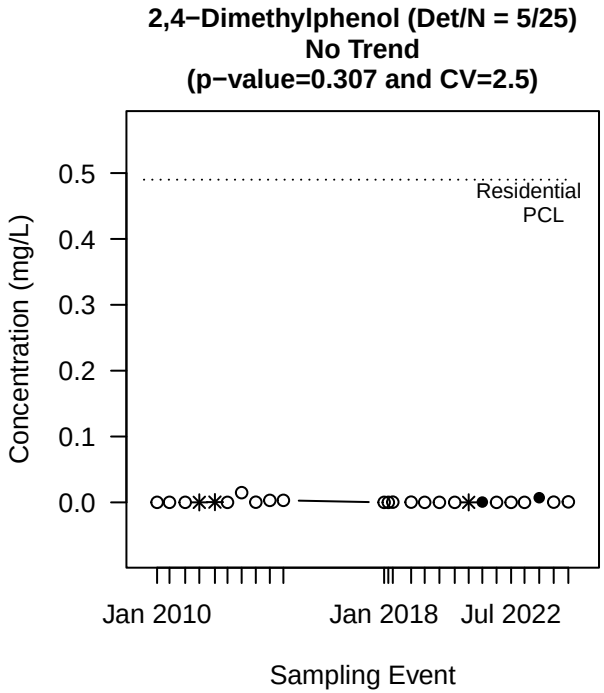


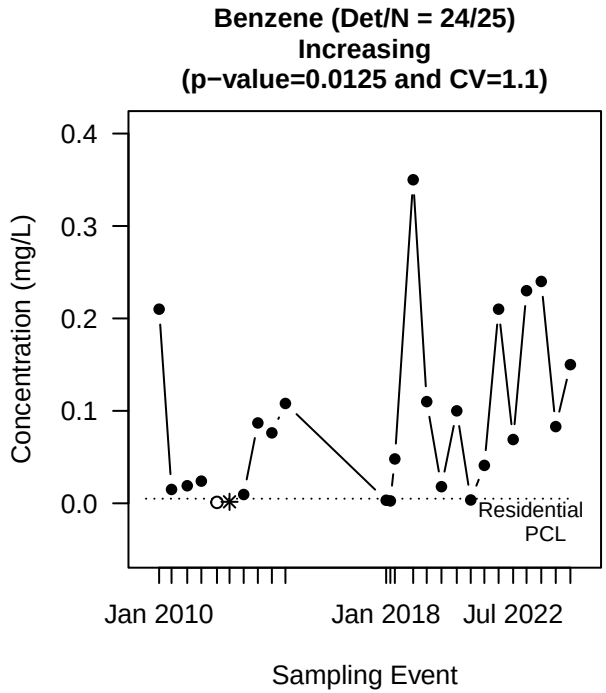


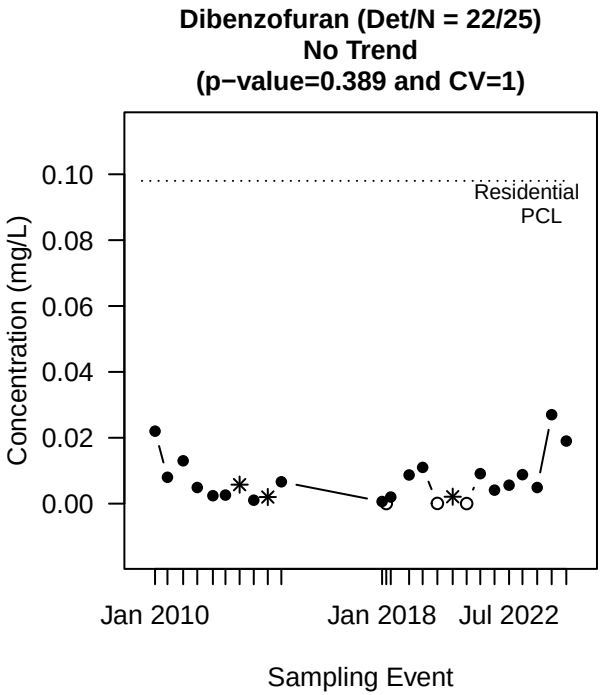
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

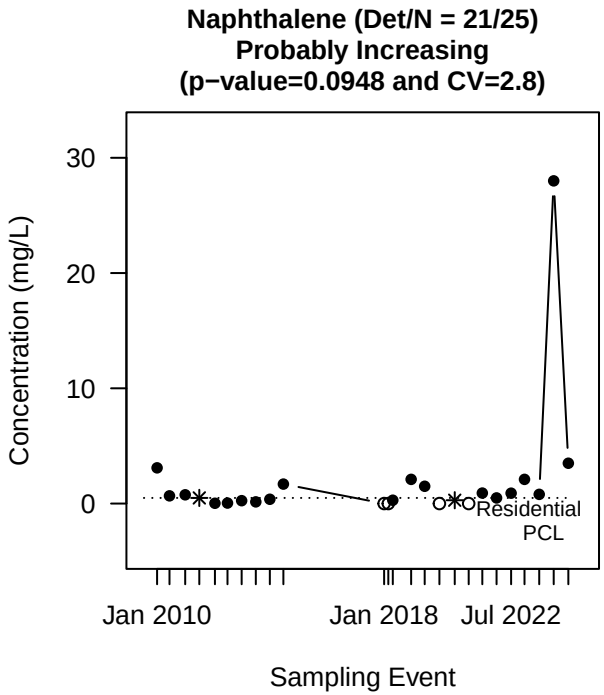
Mann−Kendall Trend Tests for MW−63B







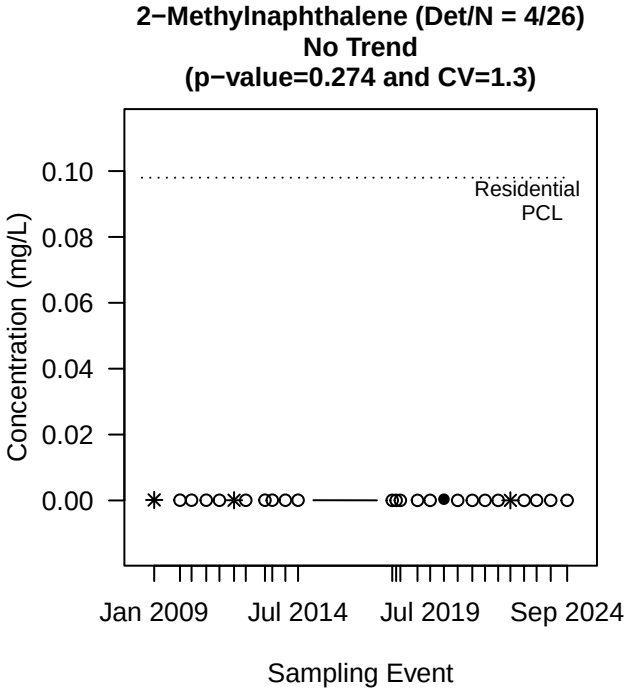


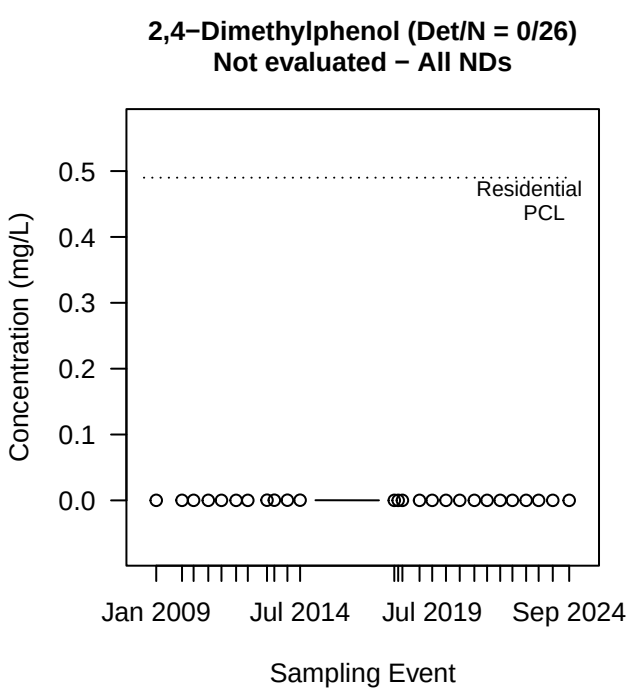


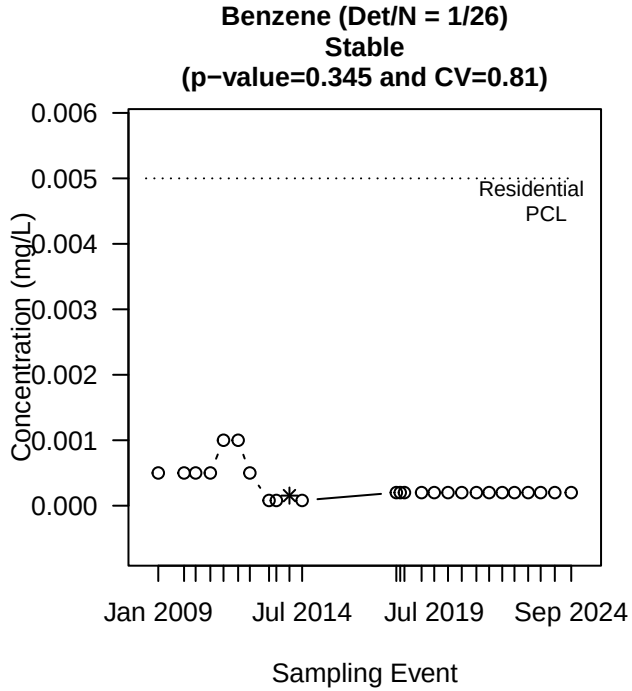
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

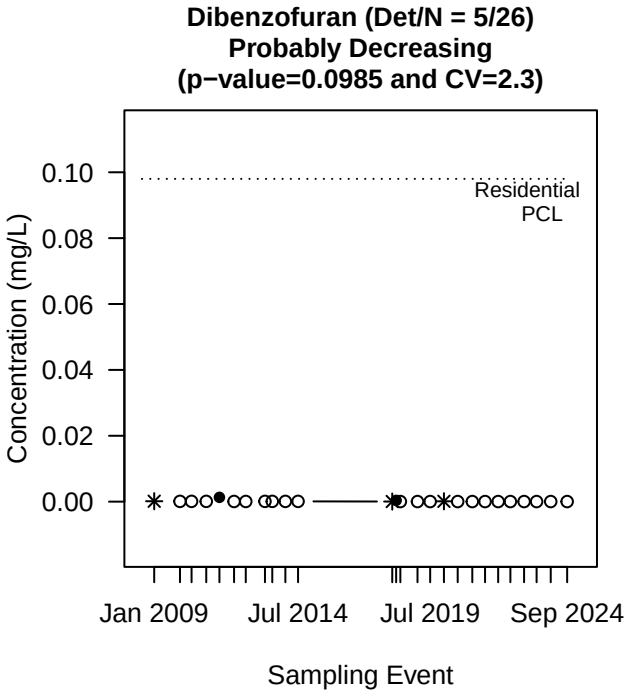
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

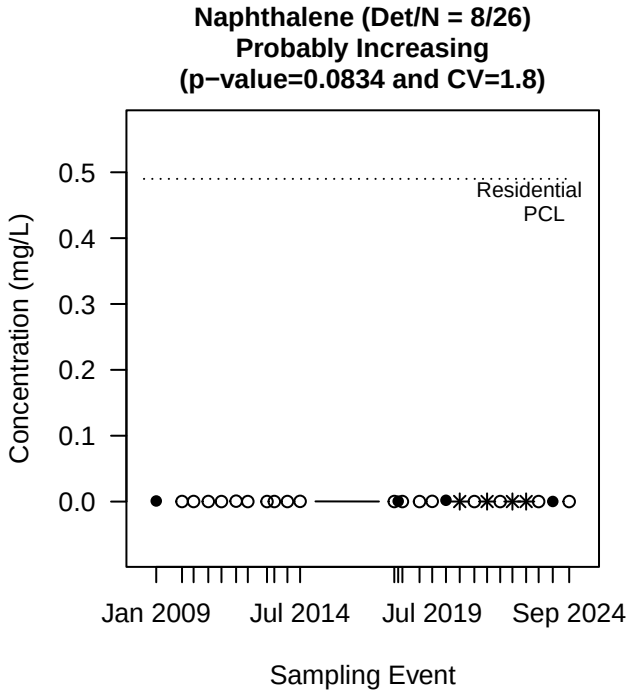
Mann−Kendall Trend Tests for MW−64A

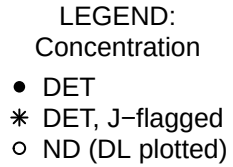








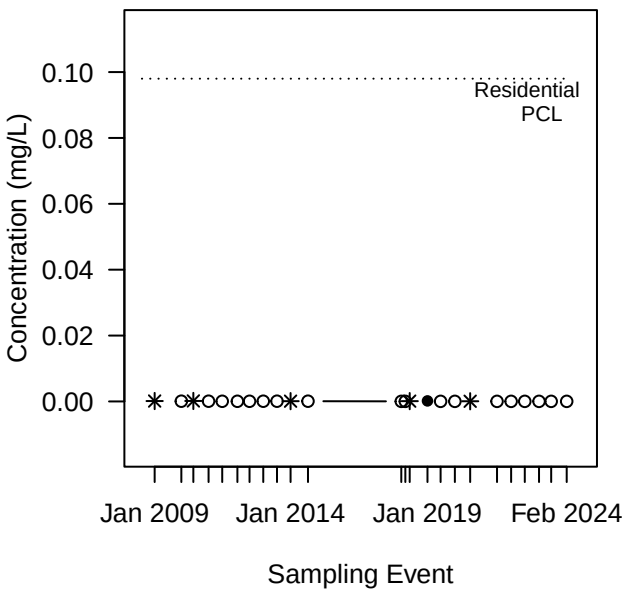




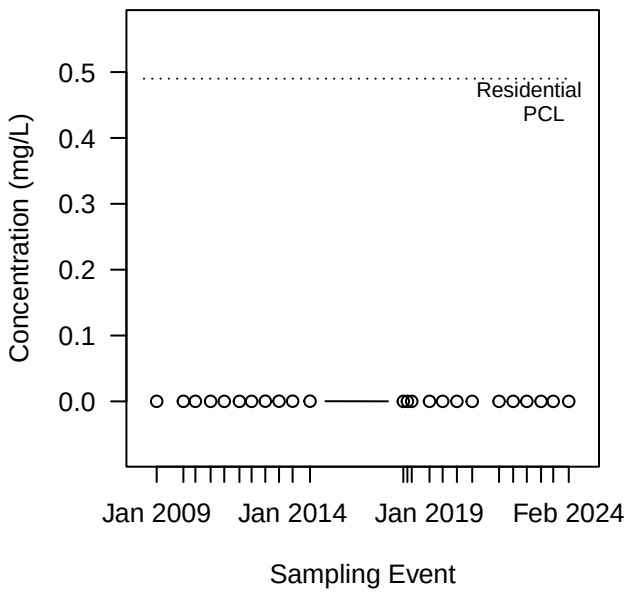
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−65D

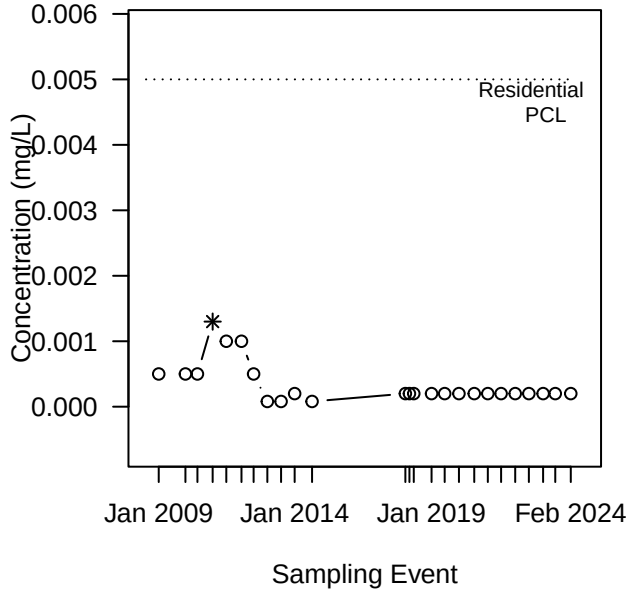
2−Methylnaphthalene (Det/N = 6/24)
Stable
(p−value=0.162 and CV=0.74)



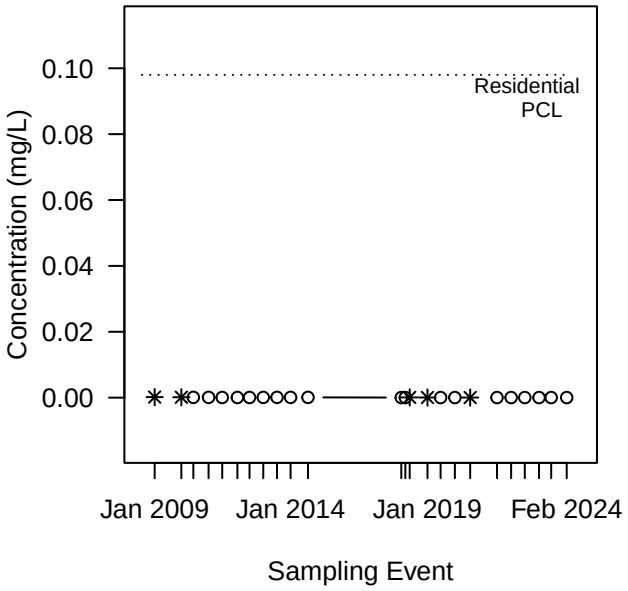
2,4−Dimethylphenol (Det/N = 0/24)
Not evaluated − All NDs



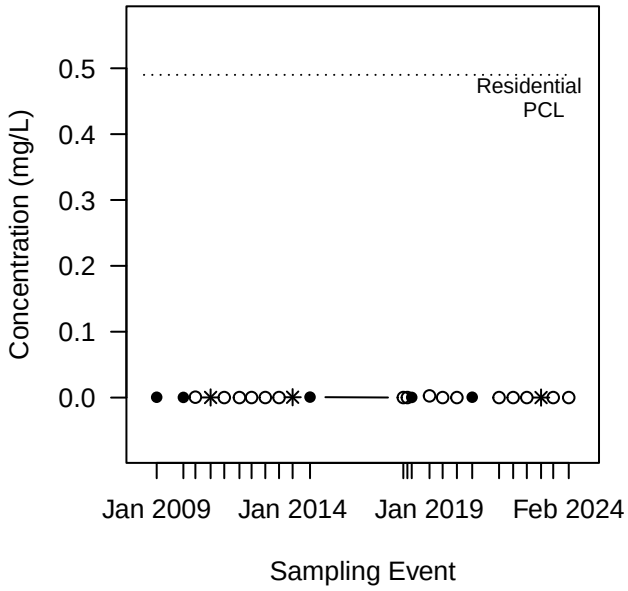
Benzene (Det/N = 1/25)
Stable
(p−value=0.119 and CV=0.92)



Dibenzofuran (Det/N = 5/24)
Stable
(p−value=0.116 and CV=0.72)



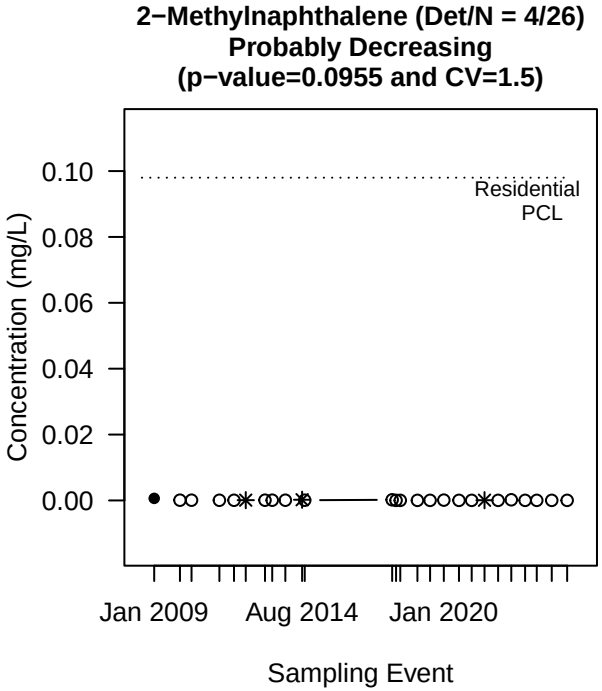
Naphthalene (Det/N = 8/24)
No Trend
(p−value=0.149 and CV=1.9)

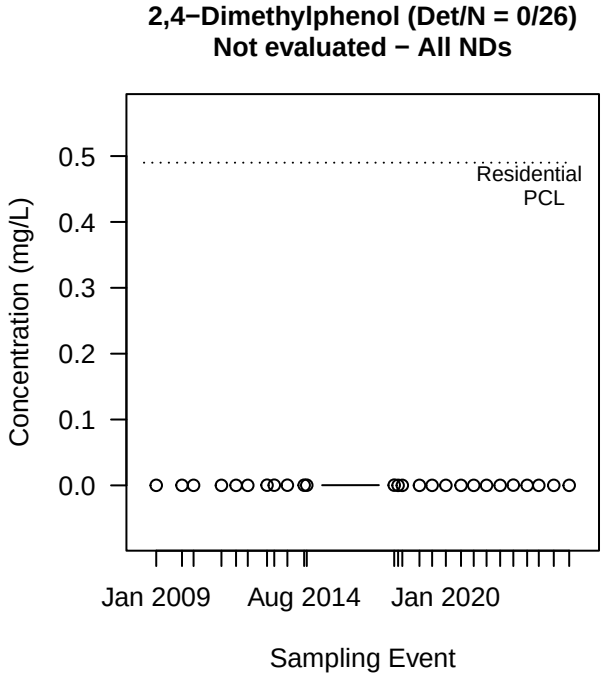


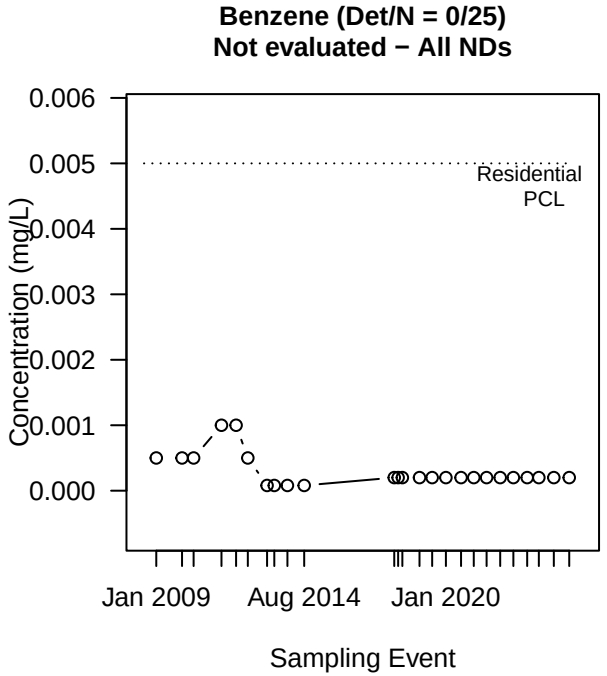
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

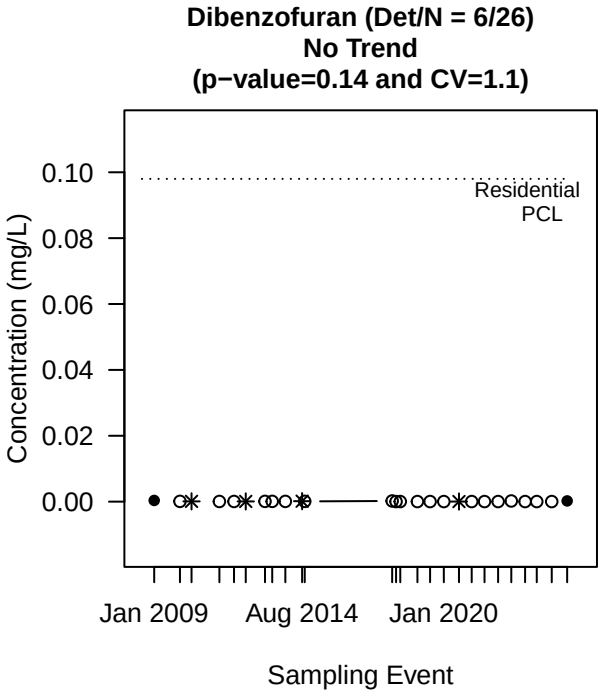
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

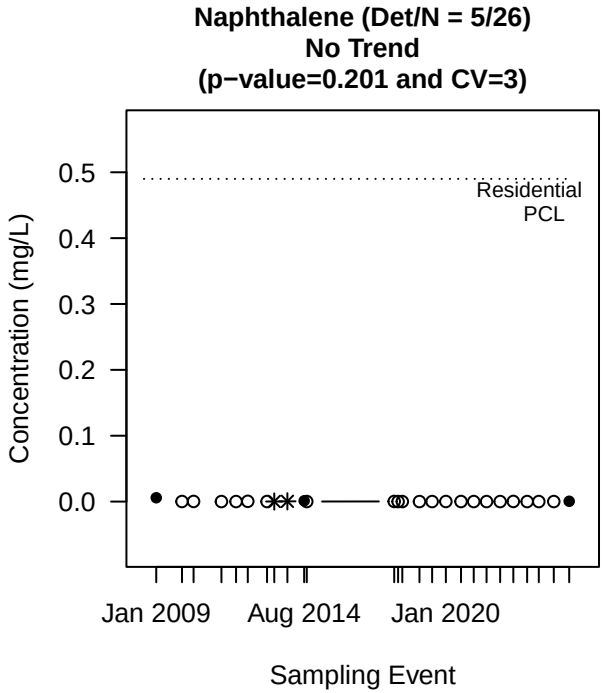
Mann−Kendall Trend Tests for MW−66D







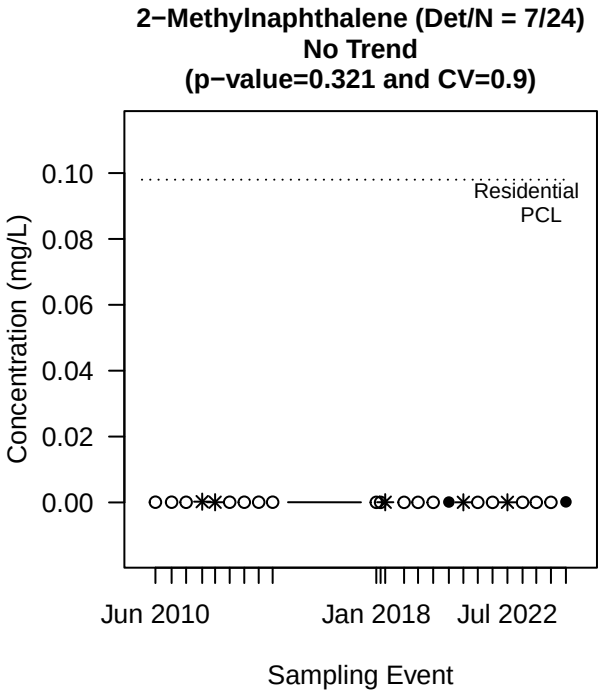


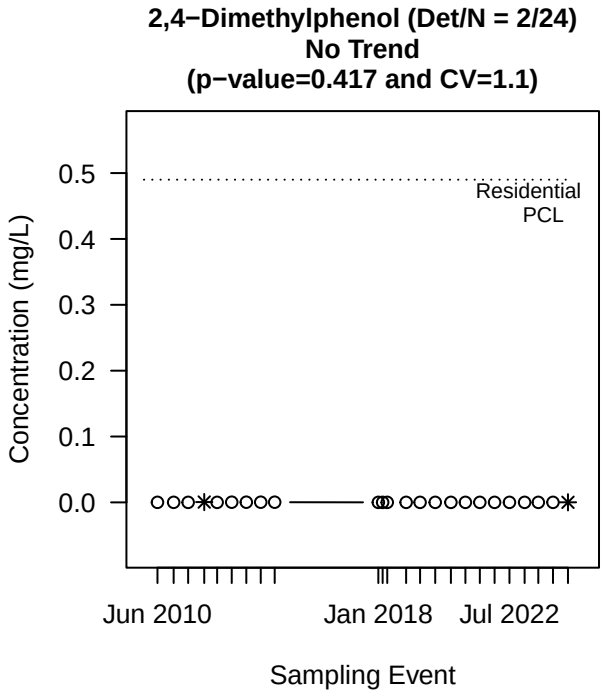


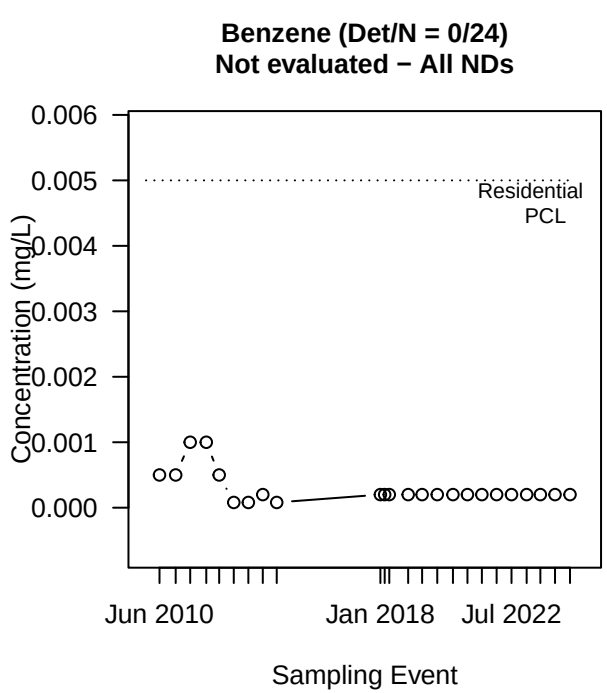
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

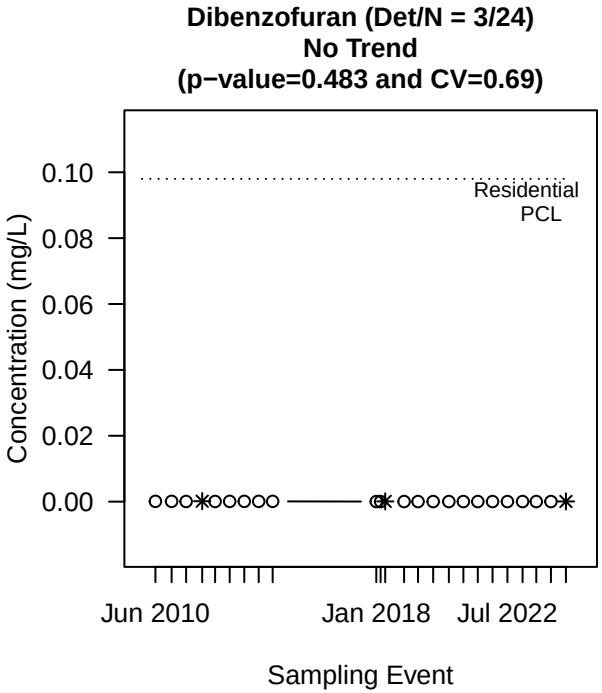
NOTE: A p−value<0.05 indicates a statistically significant trend.
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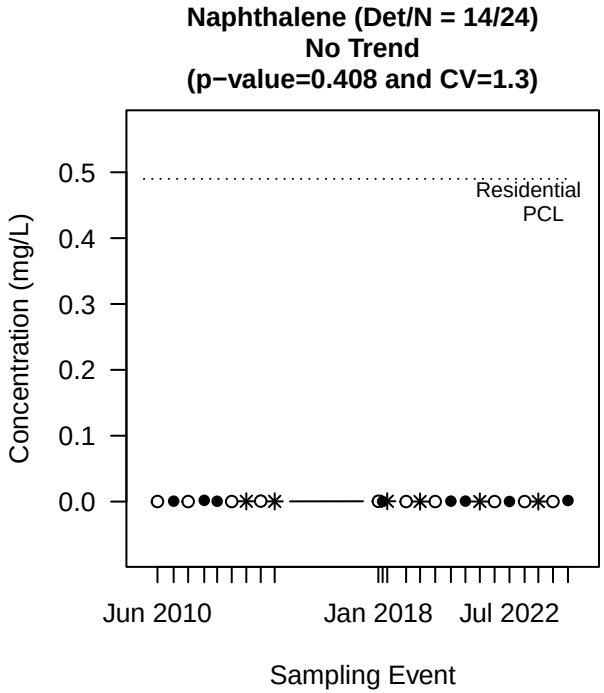
Mann−Kendall Trend Tests for MW−67B

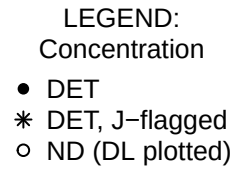






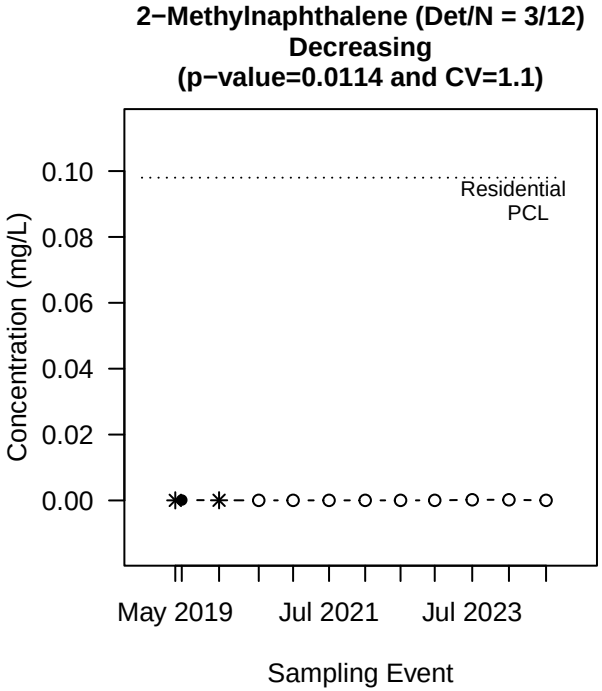


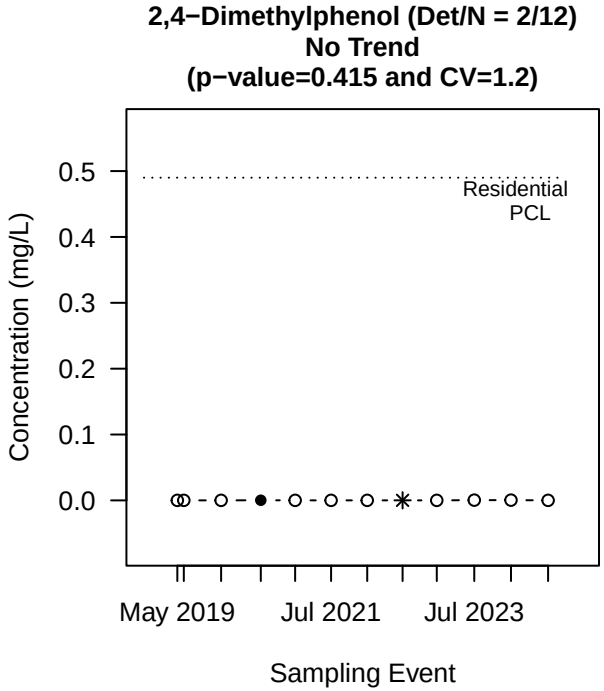


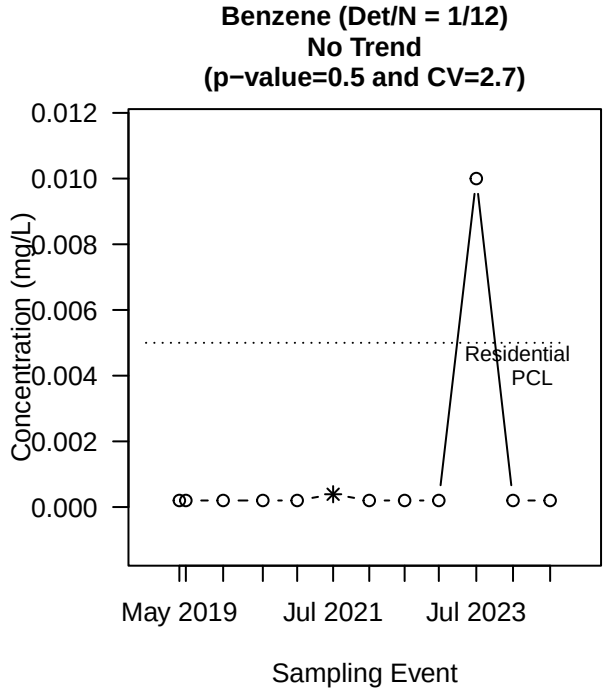


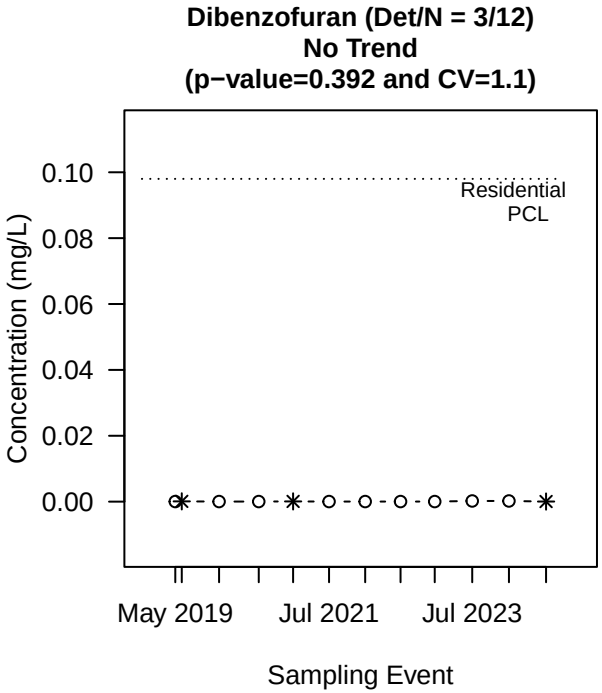
NOTE: A p−value<0.05 indicates a statistically significant trend.
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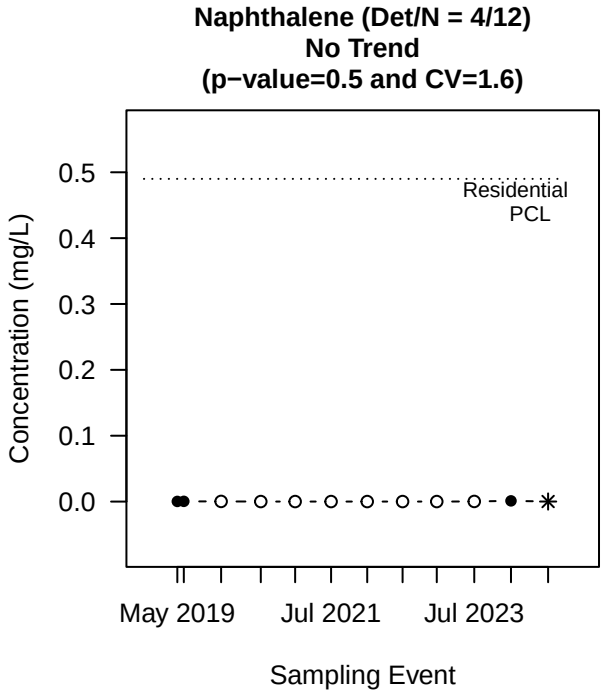
Mann−Kendall Trend Tests for MW−68A

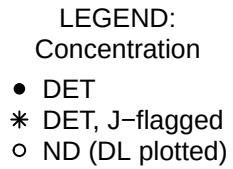






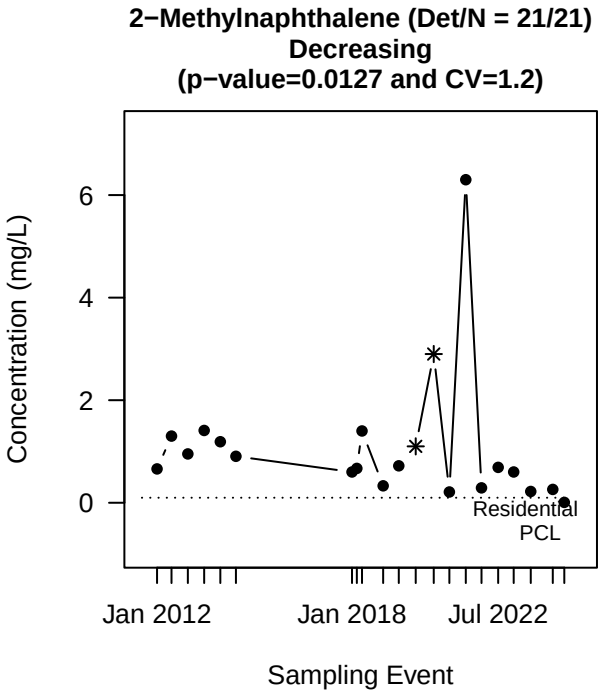


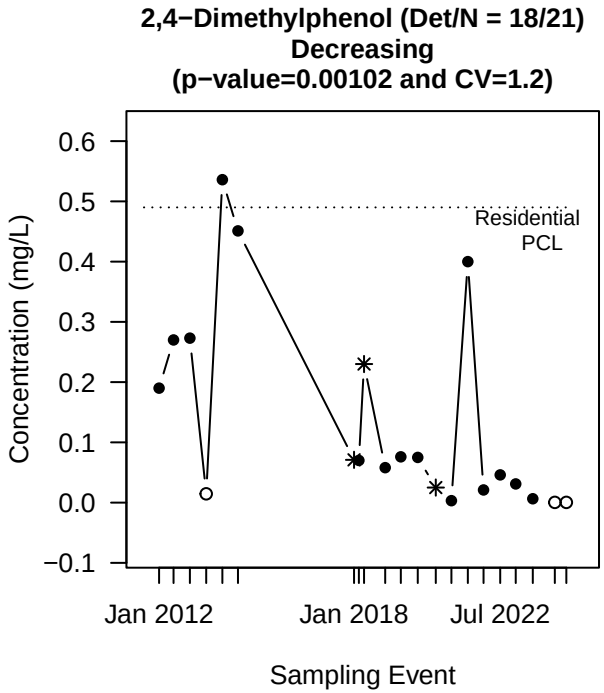


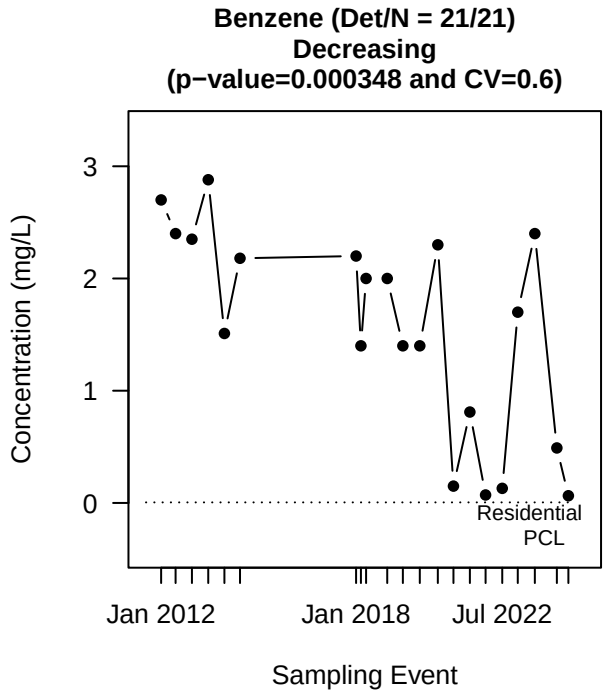


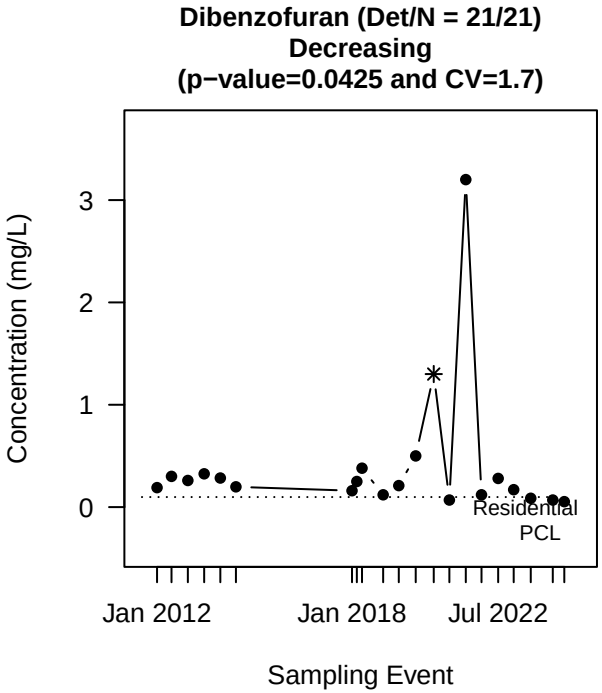
NOTE: A p−value<0.05 indicates a statistically significant trend.
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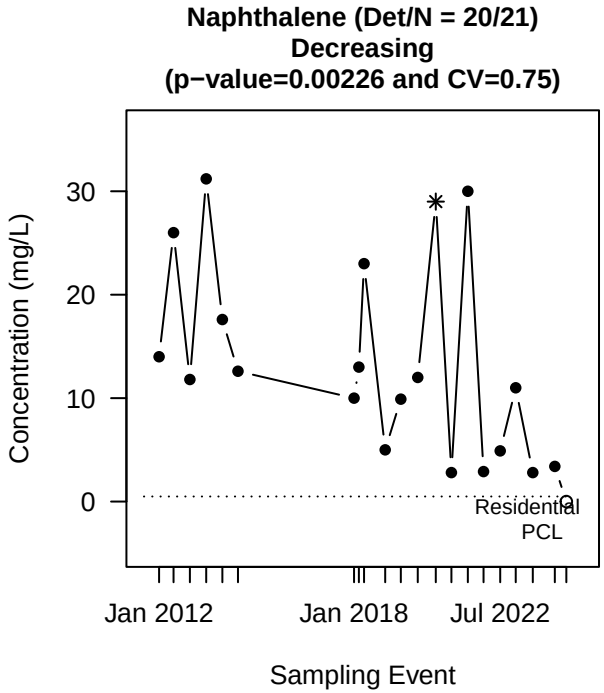
Mann−Kendall Trend Tests for MW−68B

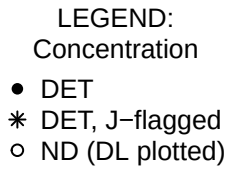






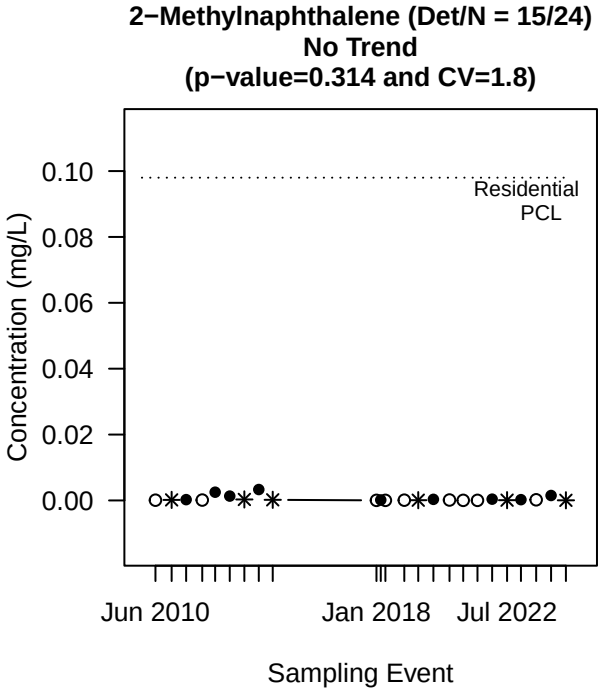


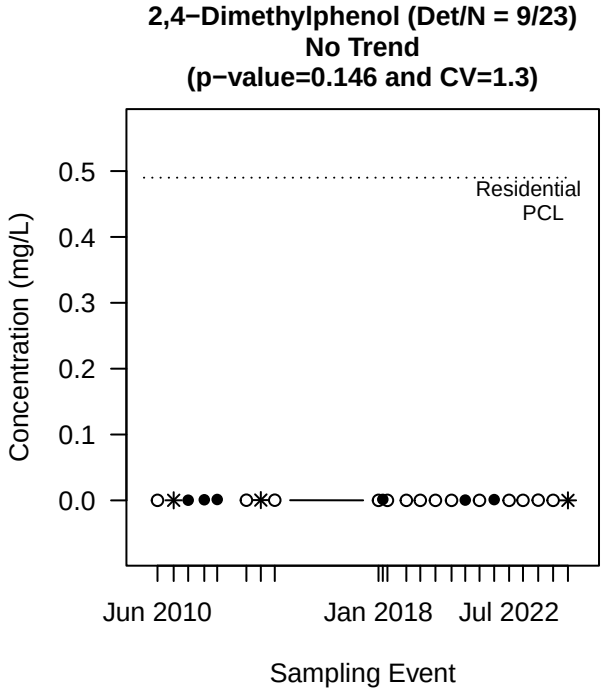


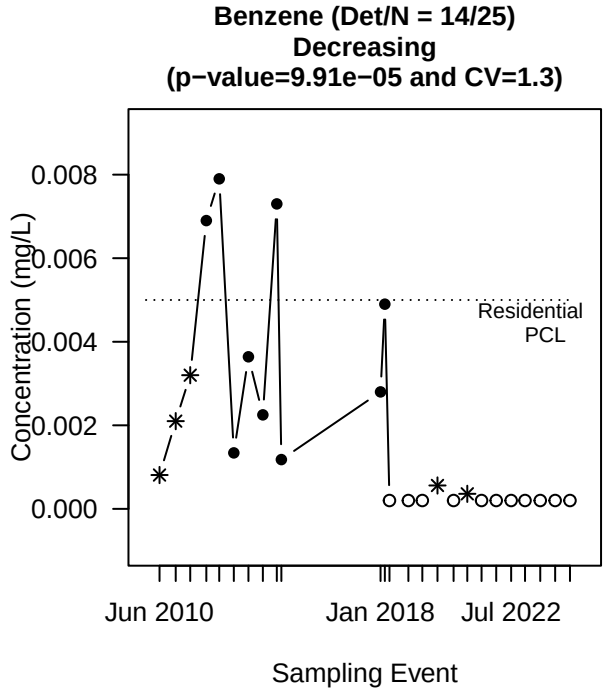


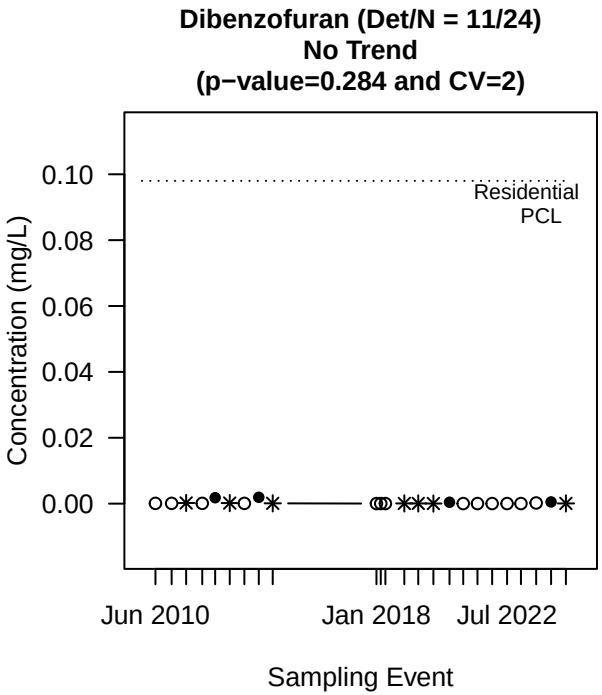
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

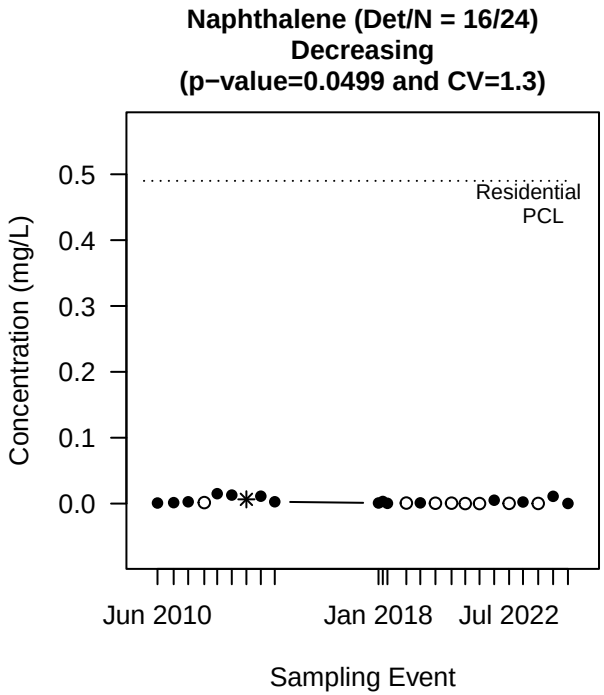
Mann−Kendall Trend Tests for MW−68C

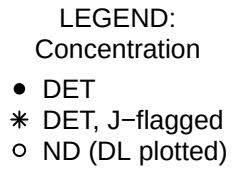






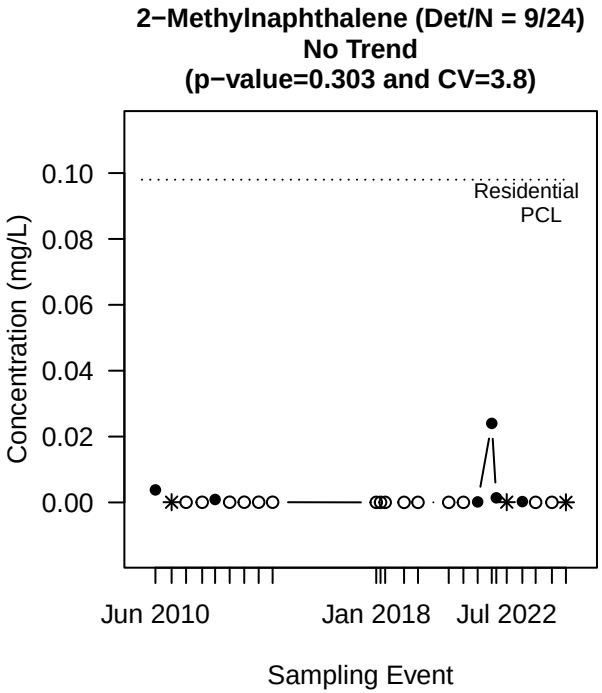


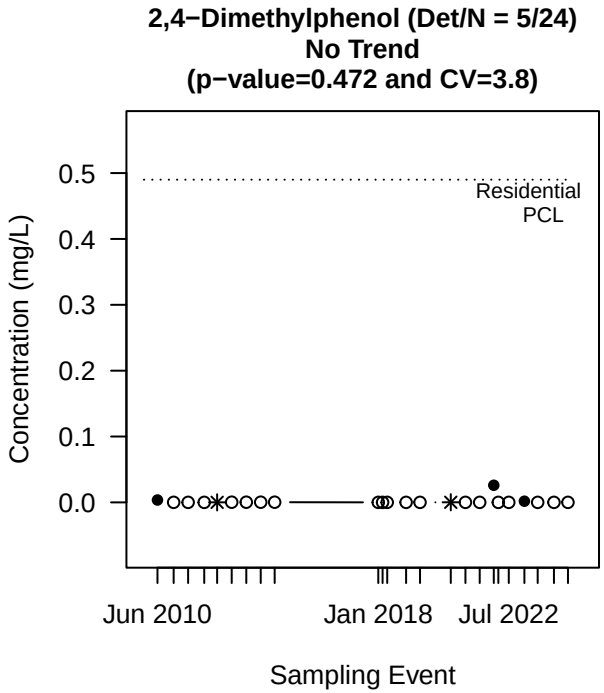


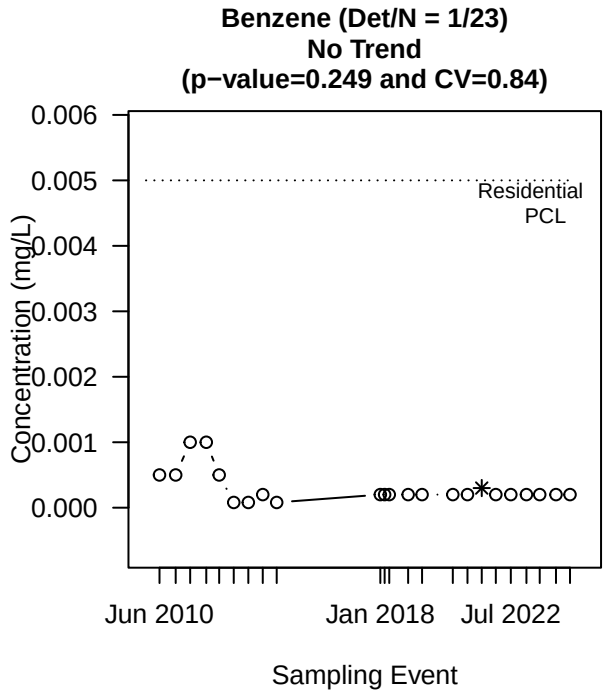


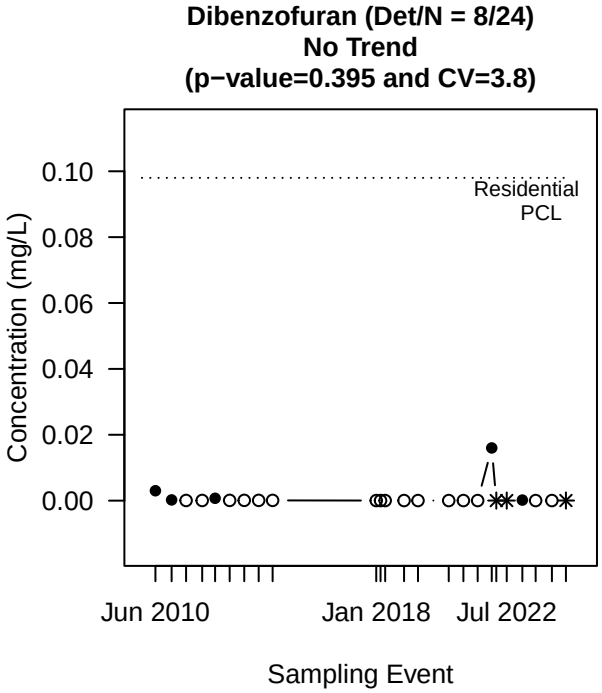
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

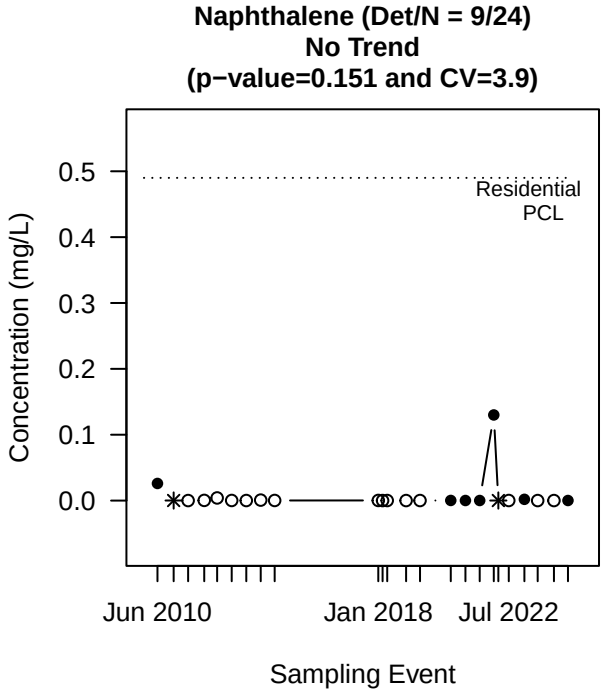
Mann−Kendall Trend Tests for MW−69A

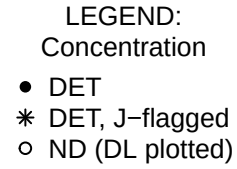






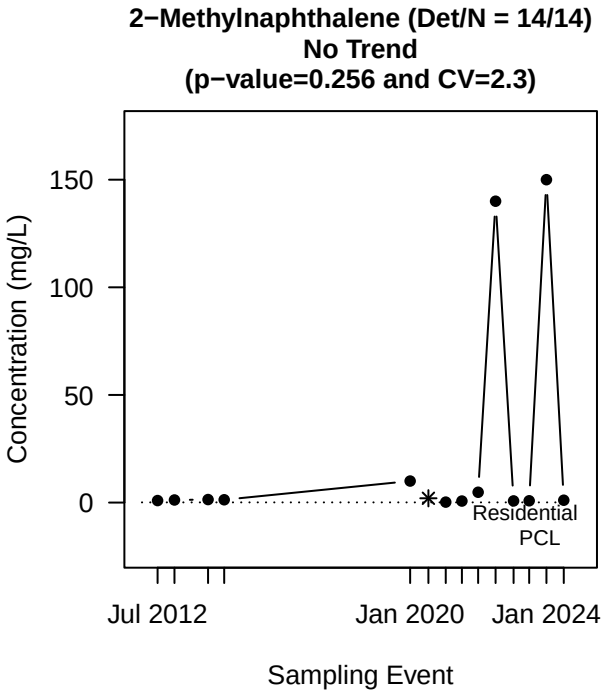


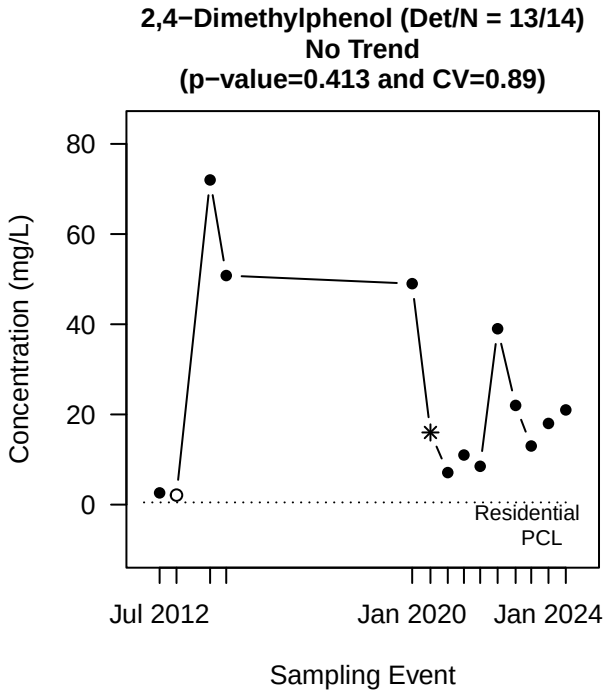


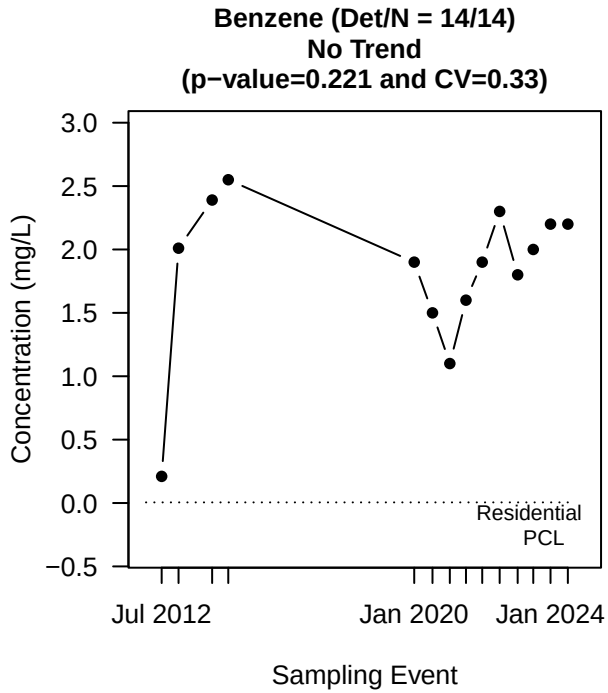


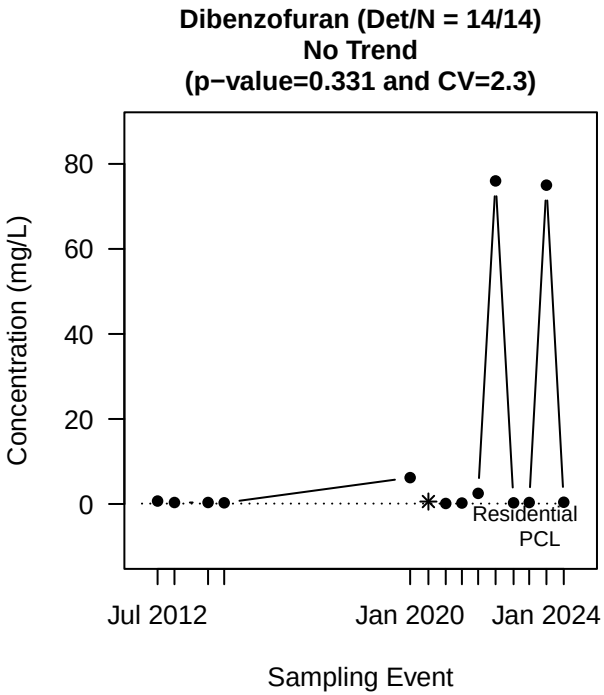
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

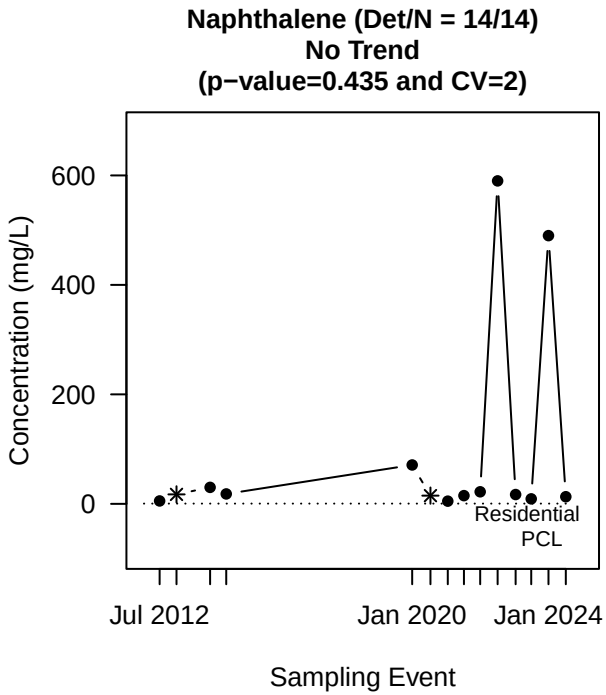
Mann−Kendall Trend Tests for MW−70B









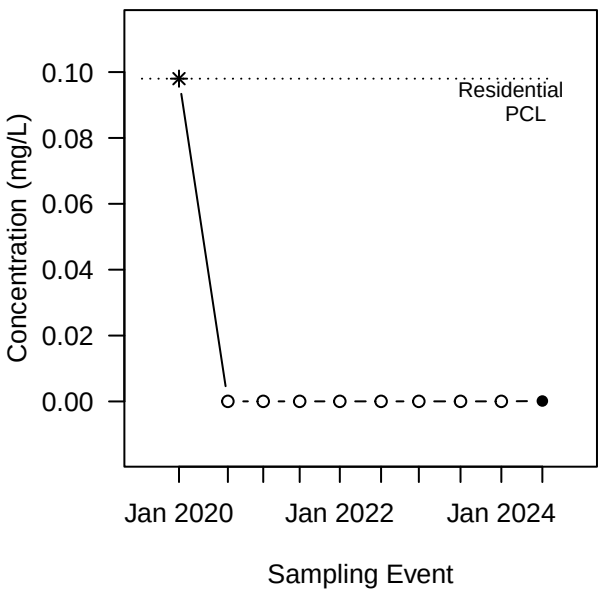


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

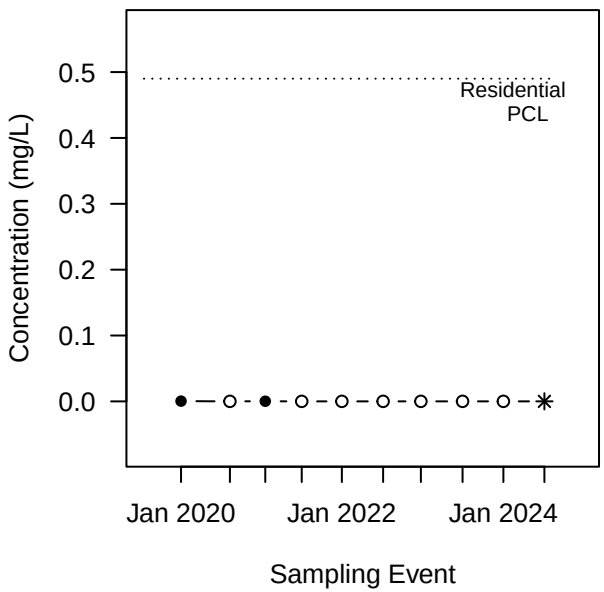
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−70C

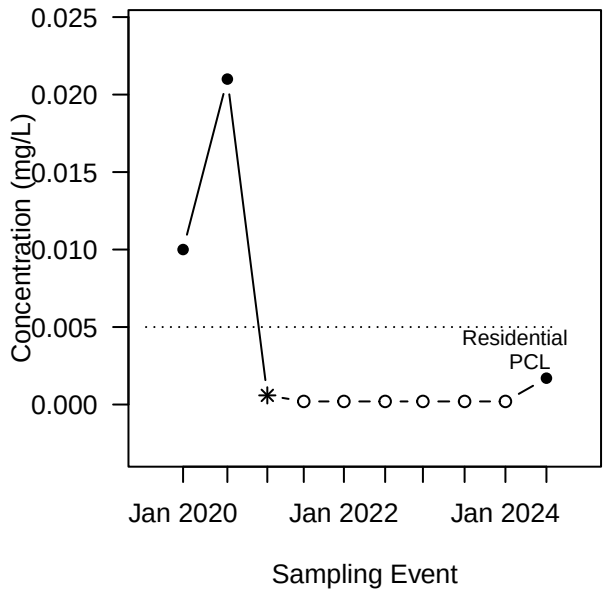
2−Methylnaphthalene (Det/N = 2/10)
No Trend
(p−value=0.5 and CV=3.2)



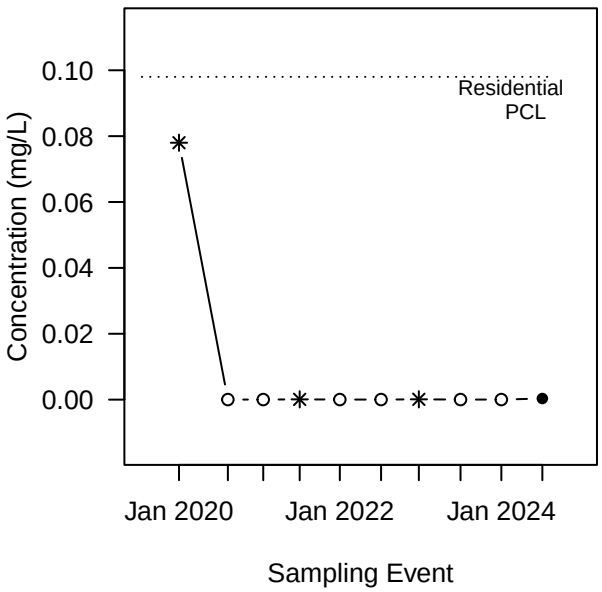
2,4−Dimethylphenol (Det/N = 3/10)
No Trend
(p−value=0.218 and CV=1.3)



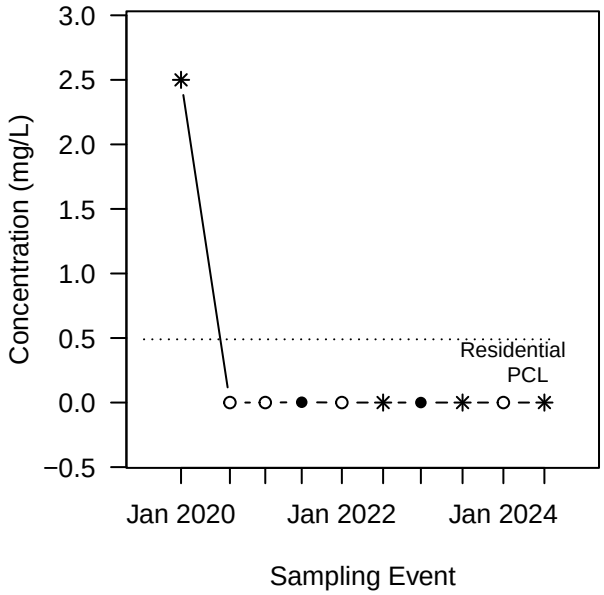
Benzene (Det/N = 4/10)
Probably Decreasing
(p−value=0.093 and CV=2)



Dibenzofuran (Det/N = 4/10)
No Trend
(p−value=0.5 and CV=3.1)



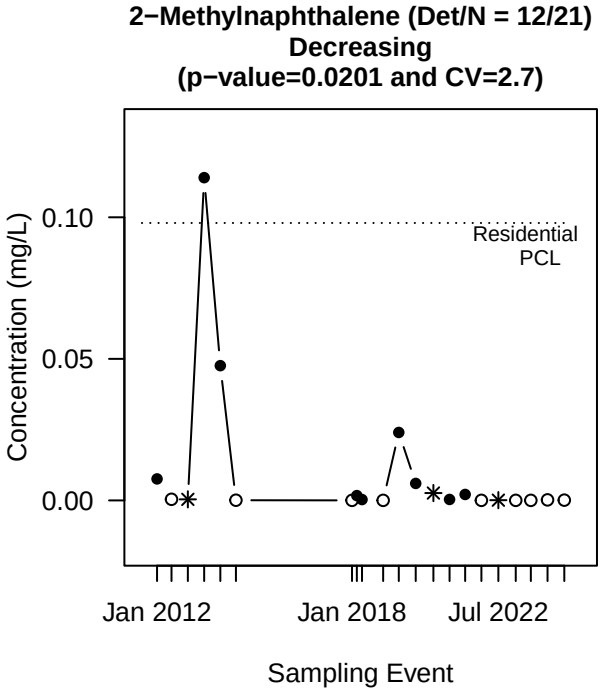
Naphthalene (Det/N = 6/10)
No Trend
(p−value=0.355 and CV=3.2)

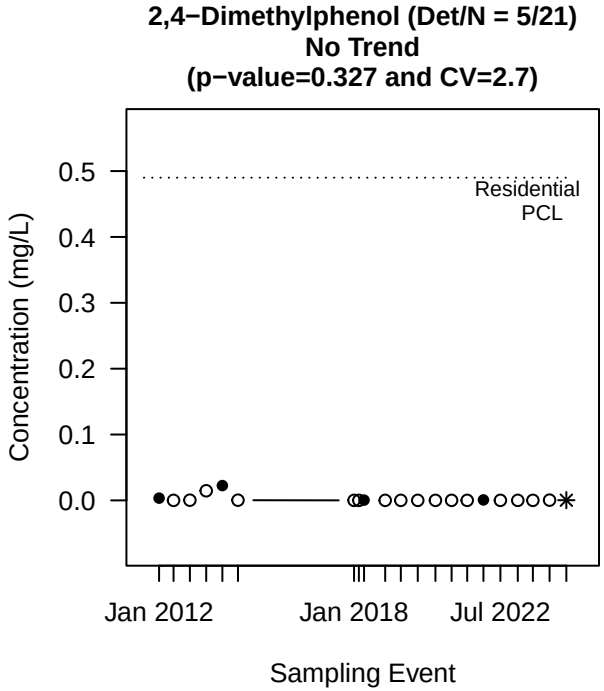


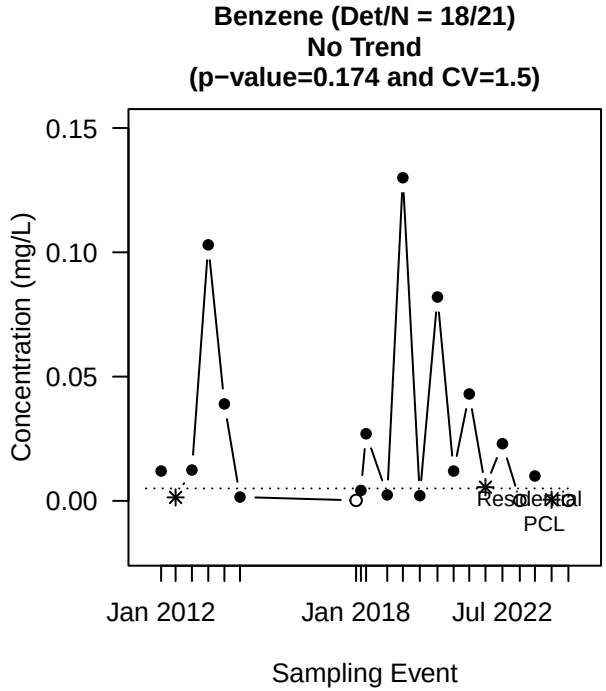
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

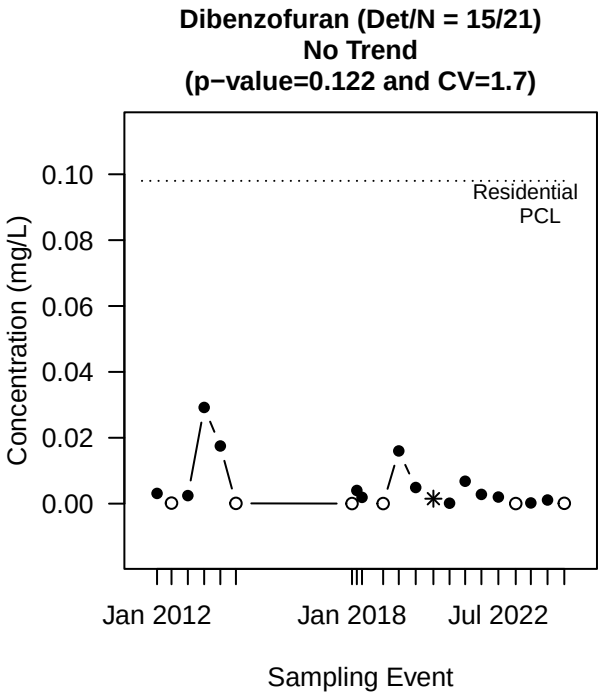
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

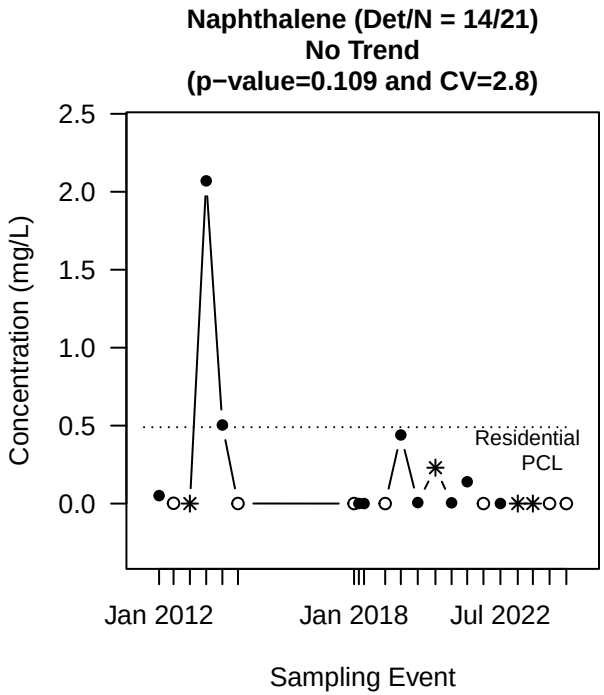
Mann−Kendall Trend Tests for MW−71B

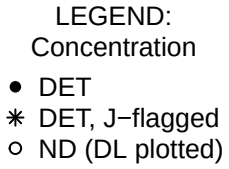






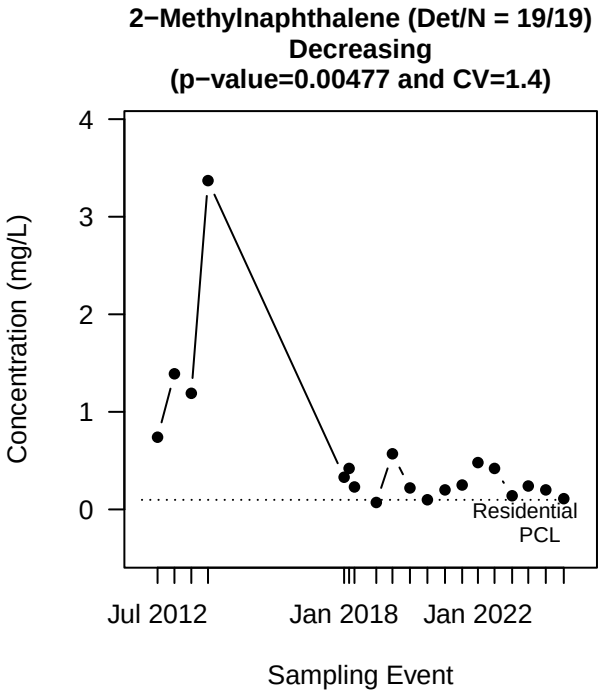


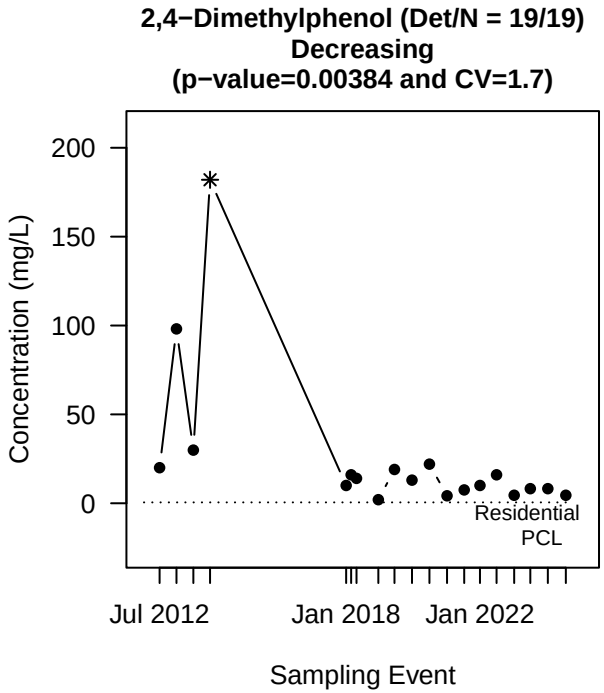


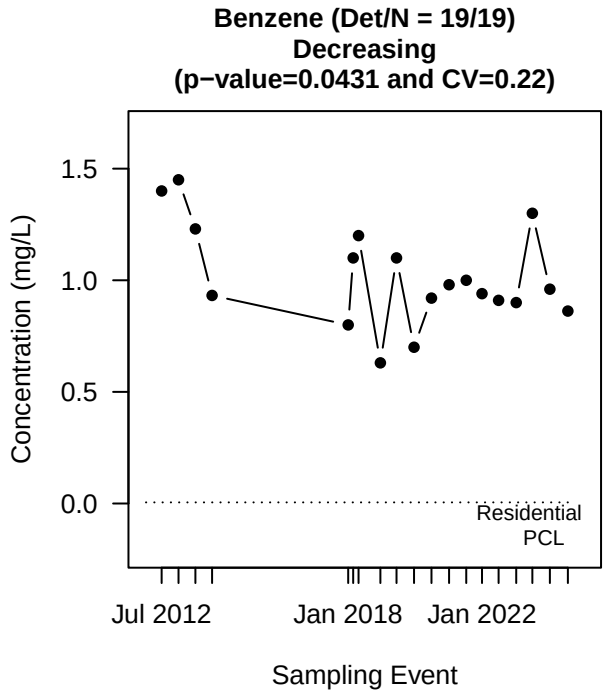


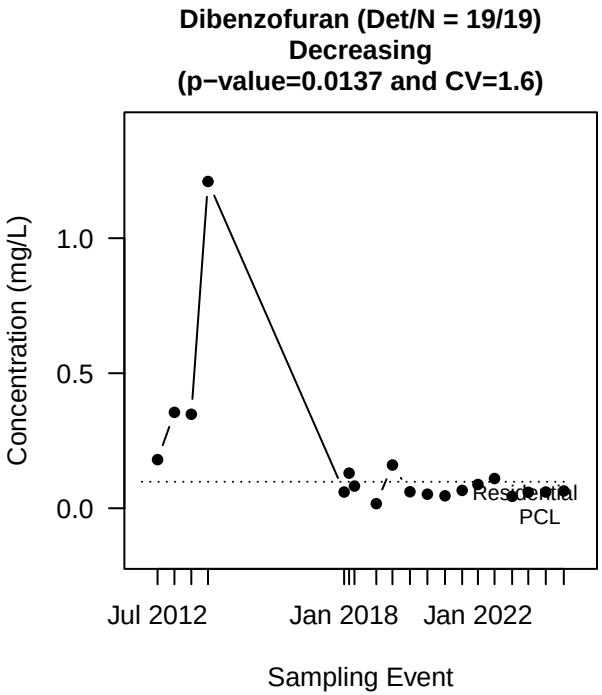
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

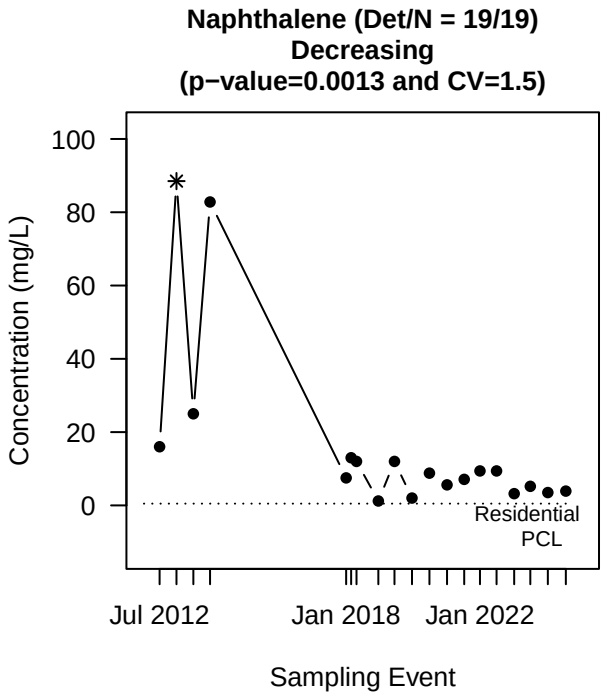
Mann−Kendall Trend Tests for MW−72B







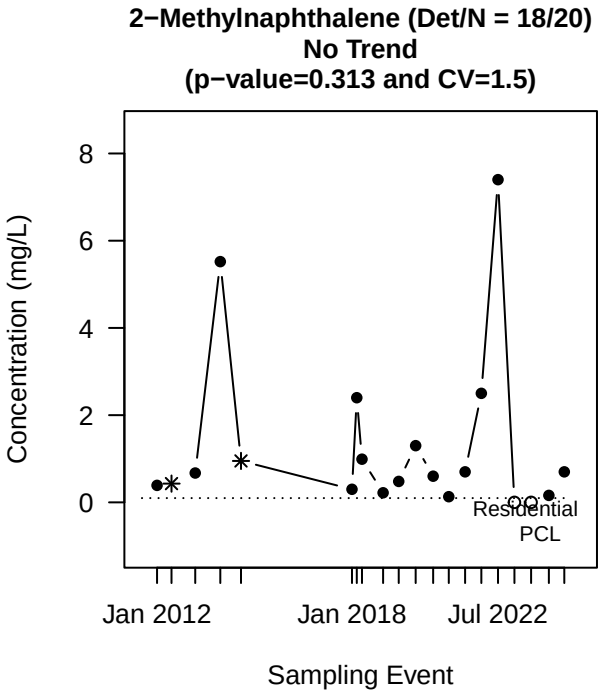


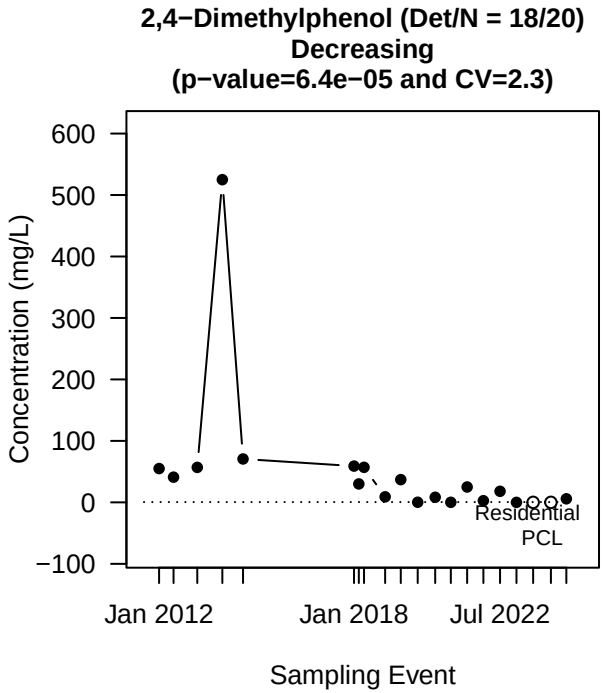


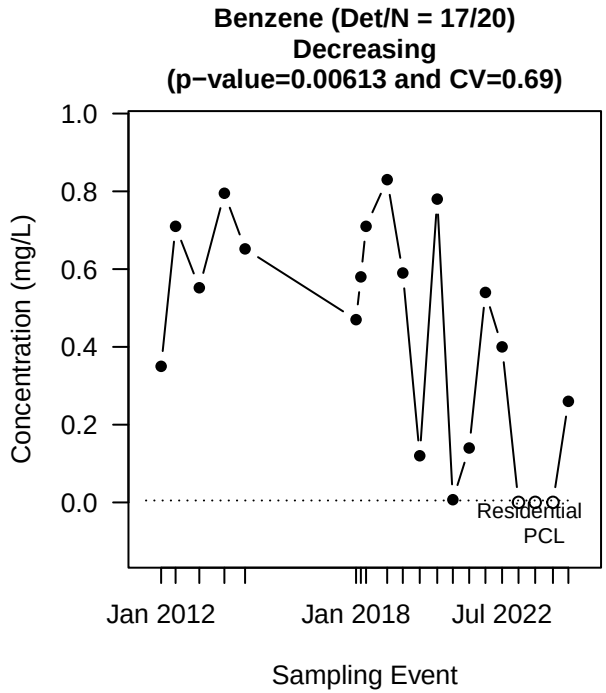
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

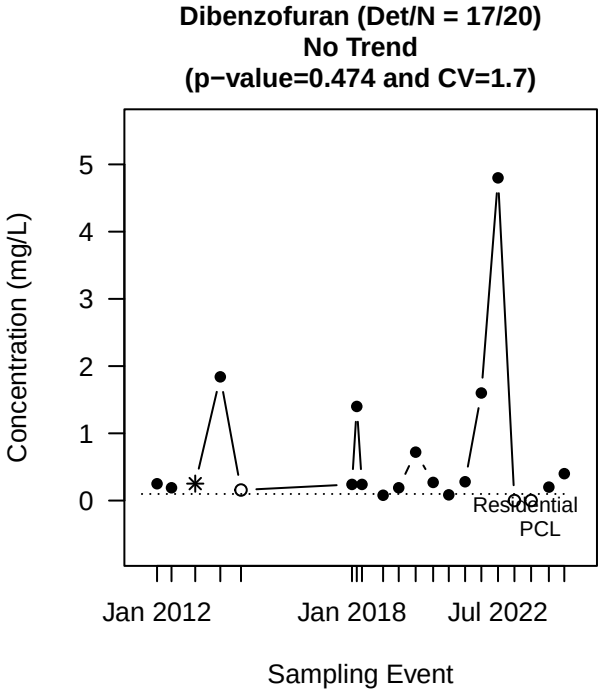
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

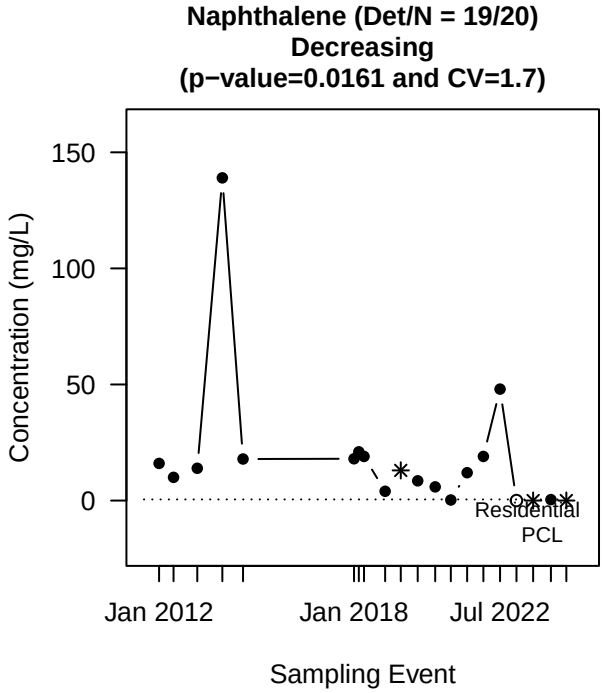
Mann−Kendall Trend Tests for MW−74B

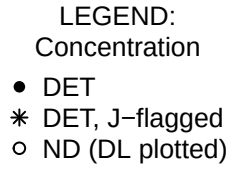








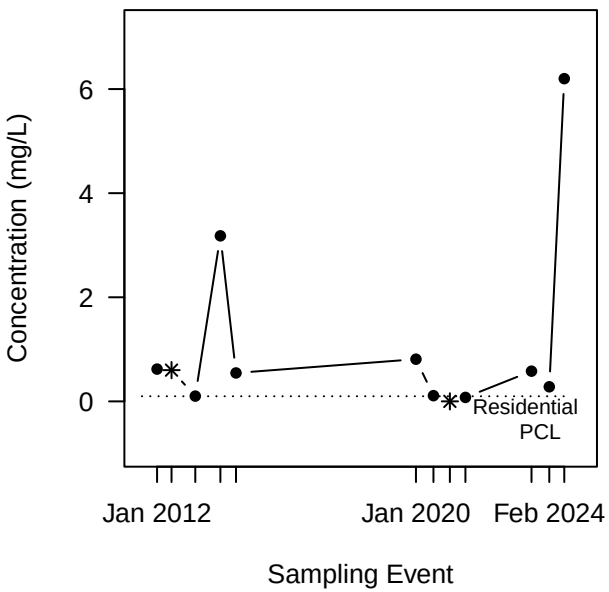




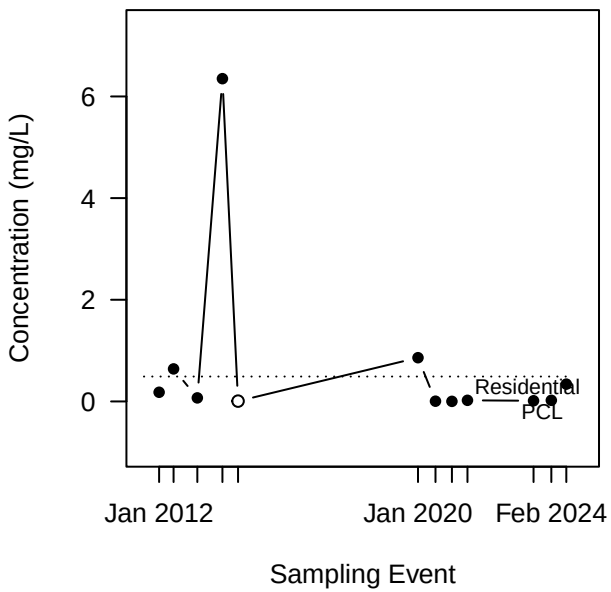
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−75B

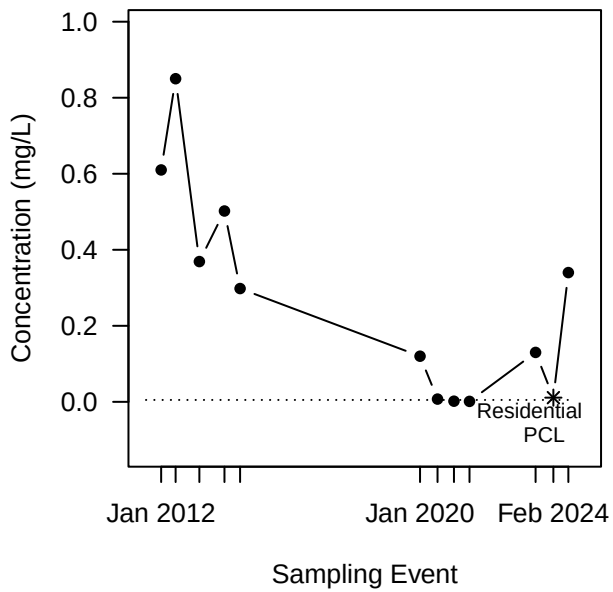
2−Methylnaphthalene (Det/N = 12/12)
No Trend
(p−value=0.366 and CV=1.7)



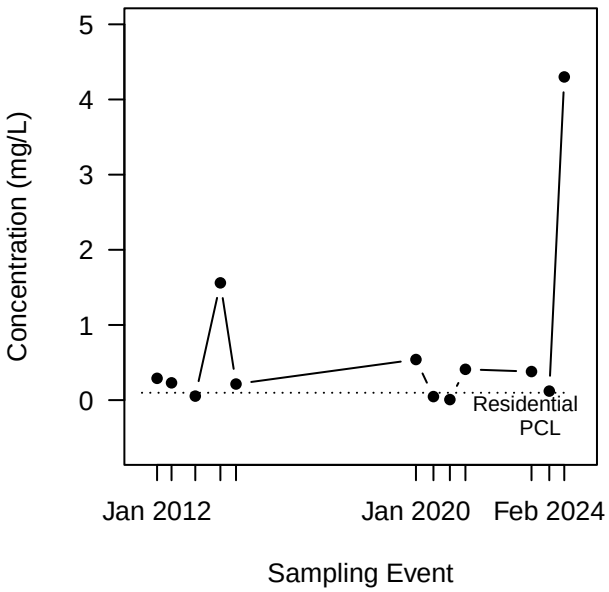
2,4−Dimethylphenol (Det/N = 11/12)
No Trend
(p−value=0.291 and CV=2.5)



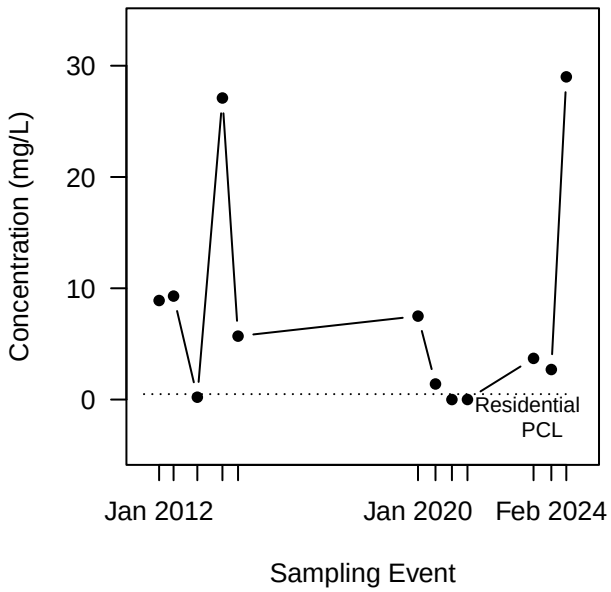
Benzene (Det/N = 12/12)
Decreasing
(p−value=0.0118 and CV=1)



Dibenzofuran (Det/N = 12/12)
No Trend
(p−value=0.473 and CV=1.8)



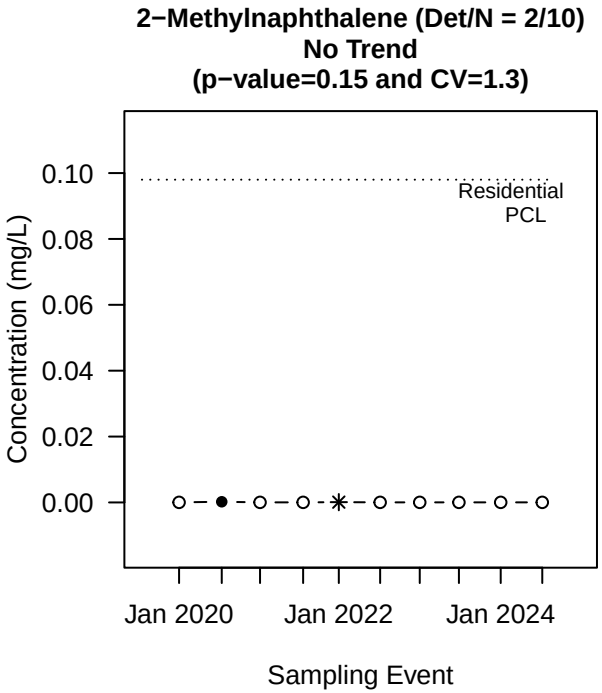
Naphthalene (Det/N = 12/12)
No Trend
(p−value=0.269 and CV=1.3)

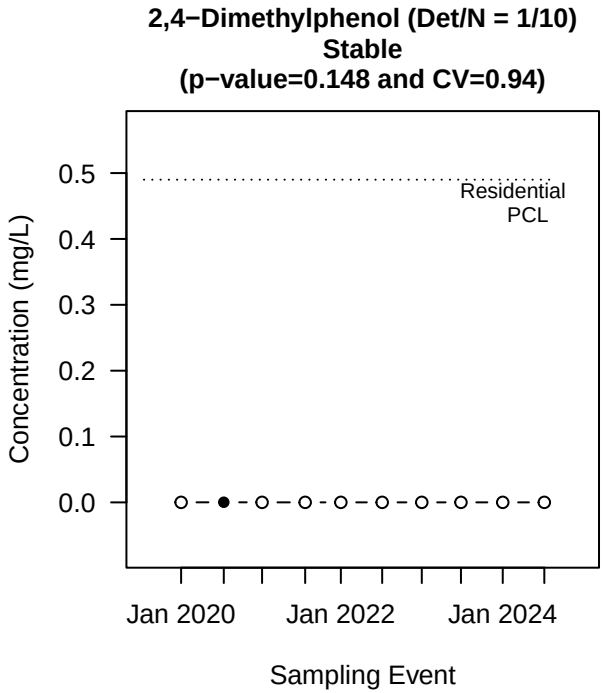


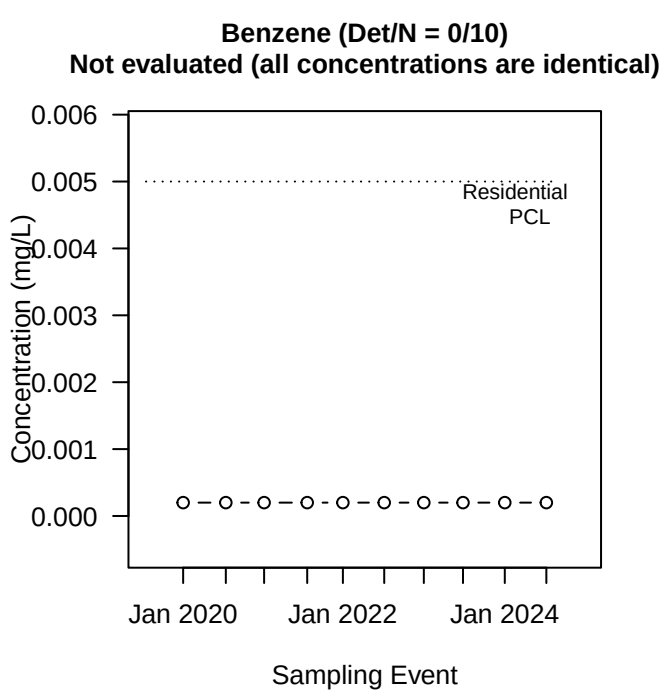
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

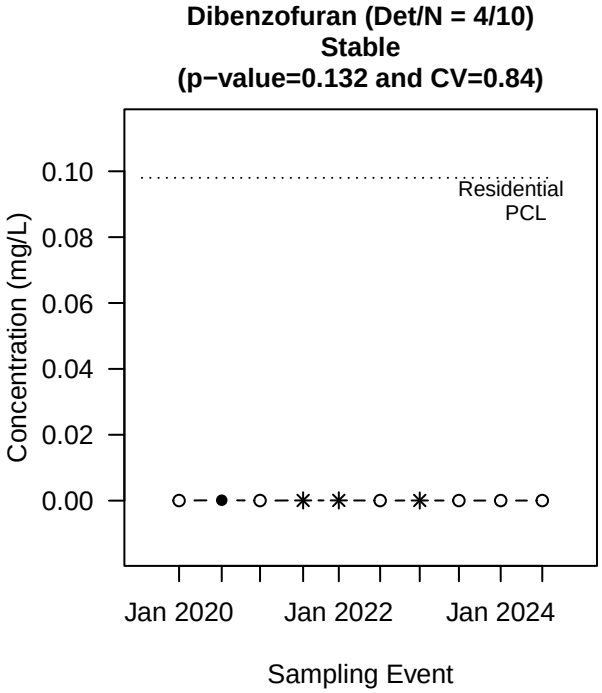
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

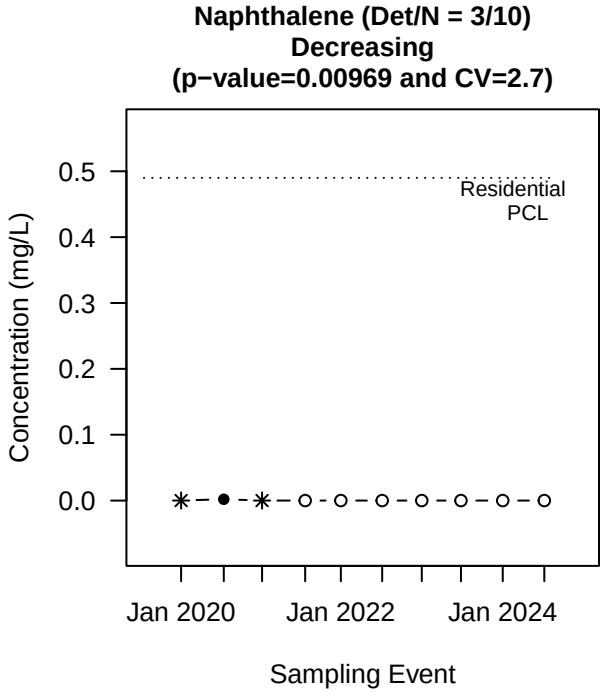
Mann−Kendall Trend Tests for MW−76B

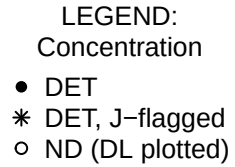






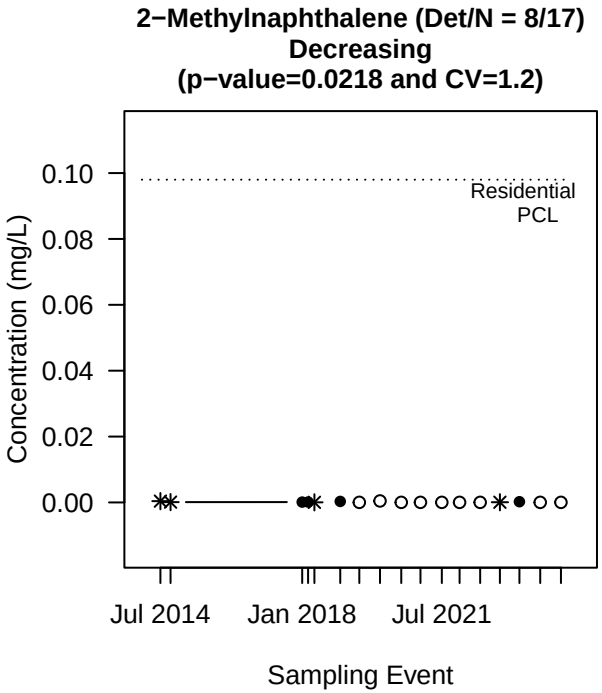


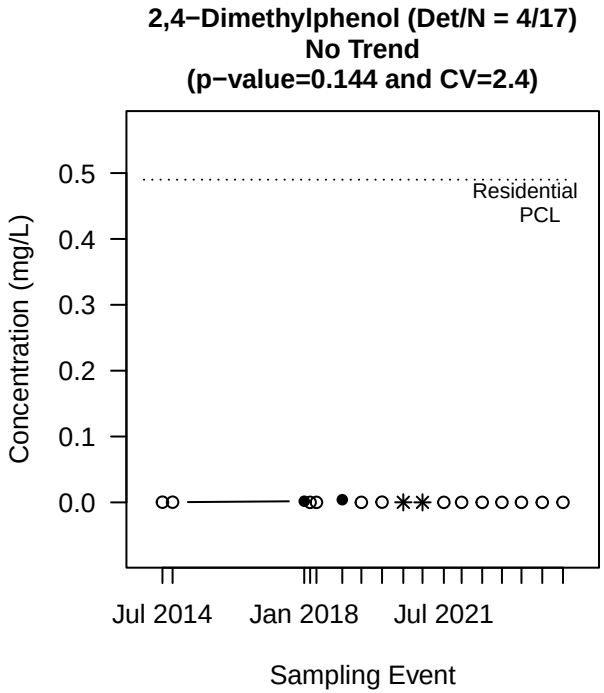


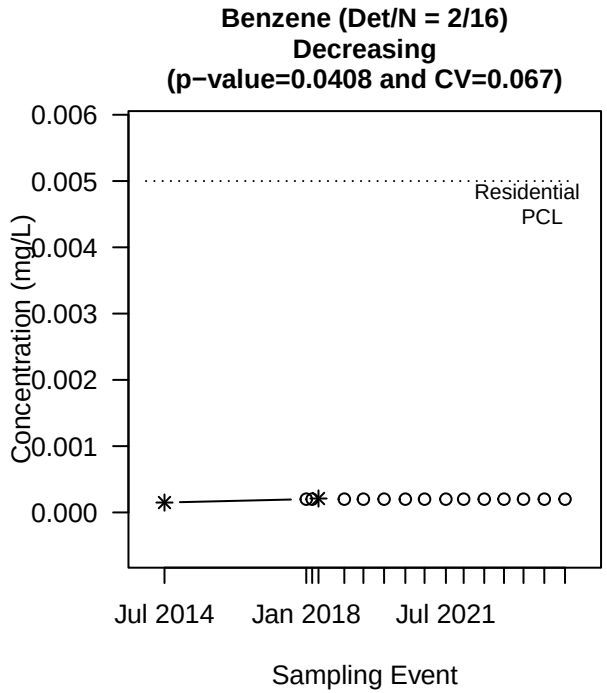


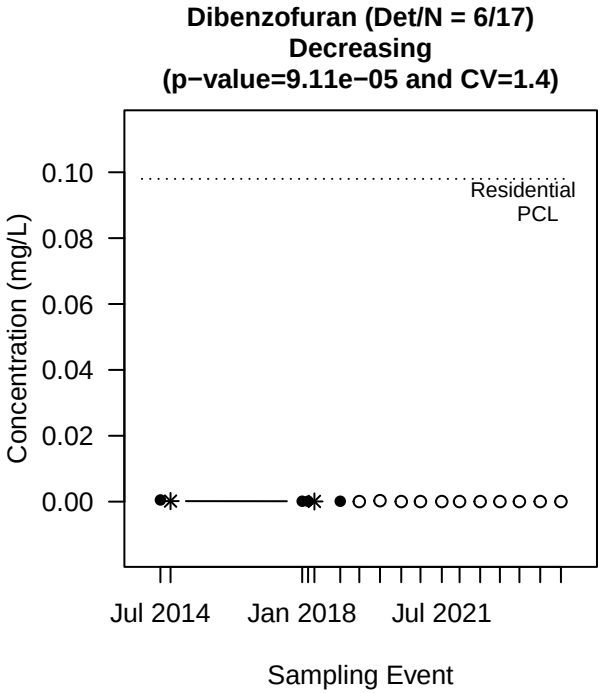
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

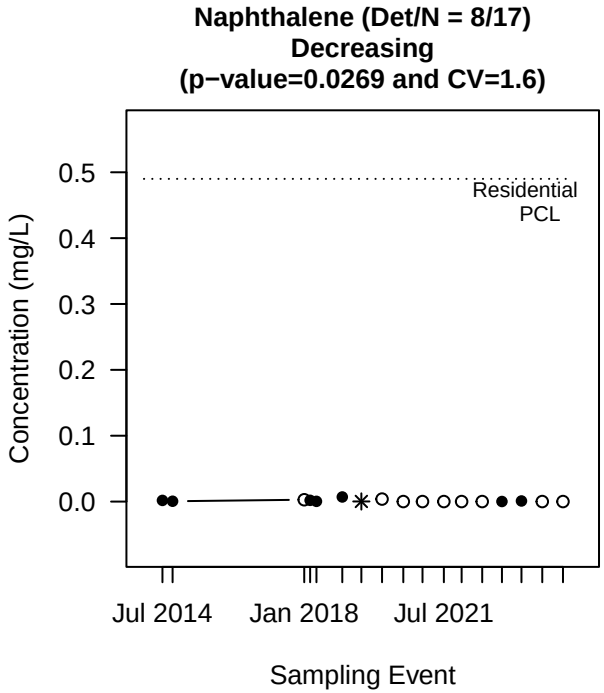
Mann−Kendall Trend Tests for MW−76C

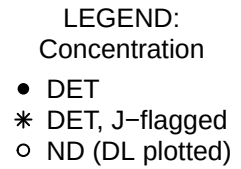








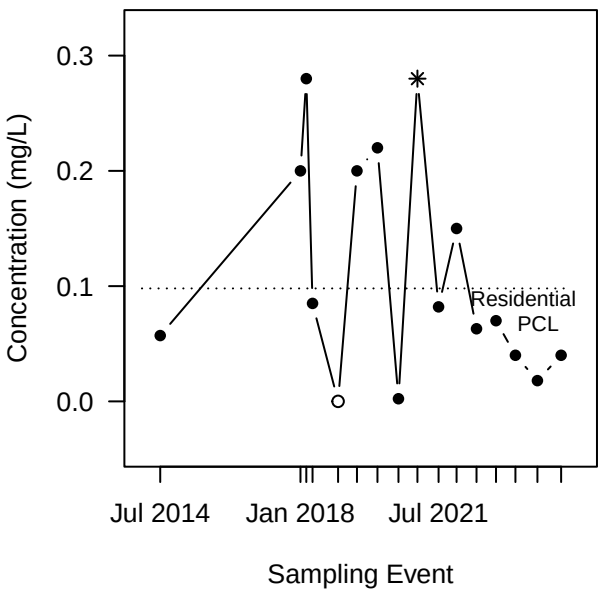




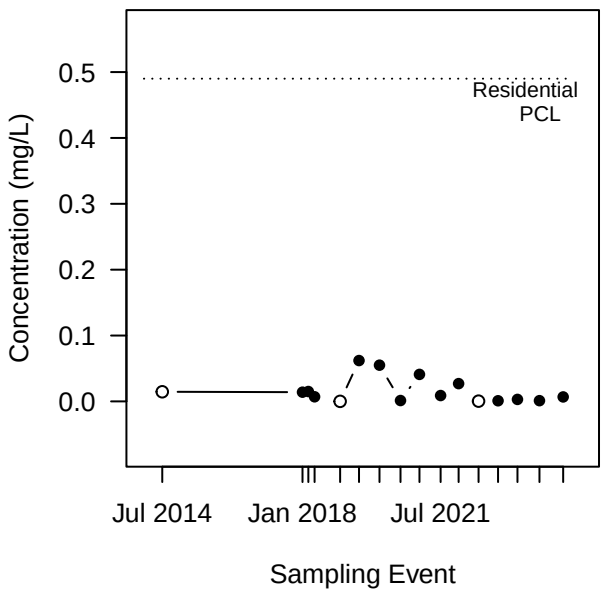
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−77A

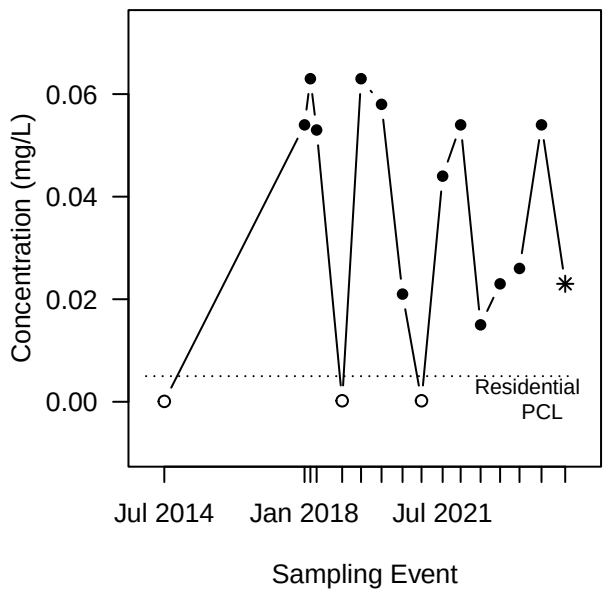
2−Methylnaphthalene (Det/N = 15/16)
Probably Decreasing
(p−value=0.0742 and CV=0.86)



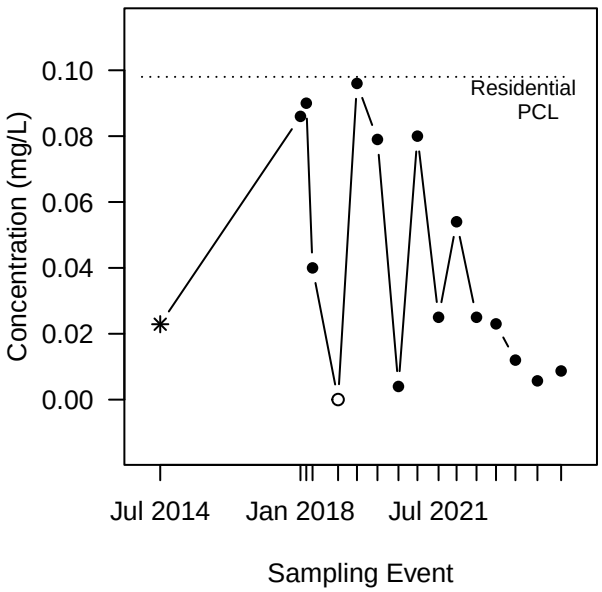
2,4−Dimethylphenol (Det/N = 13/16)
No Trend
(p−value=0.294 and CV=1.2)



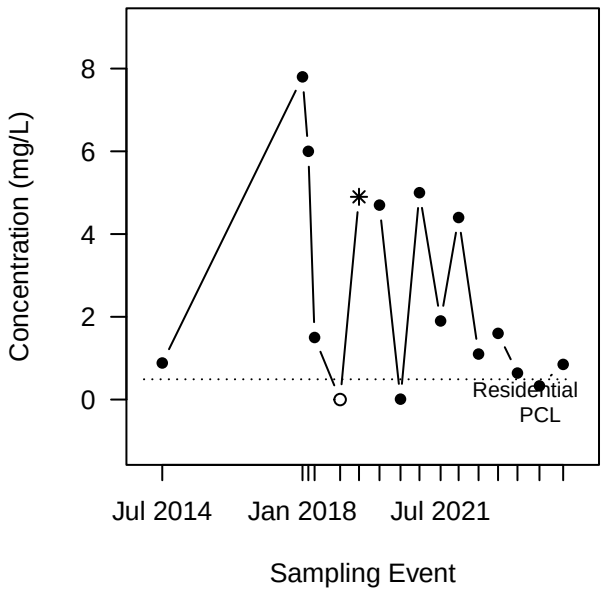
Benzene (Det/N = 13/16)
Stable
(p−value=0.375 and CV=0.68)



Dibenzofuran (Det/N = 15/16)
Decreasing
(p−value=0.0357 and CV=0.85)



Naphthalene (Det/N = 15/16)
Decreasing
(p−value=0.0479 and CV=0.95)

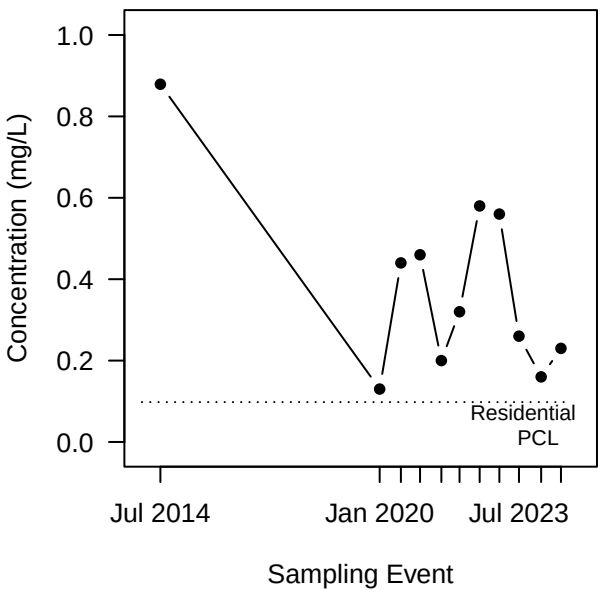


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

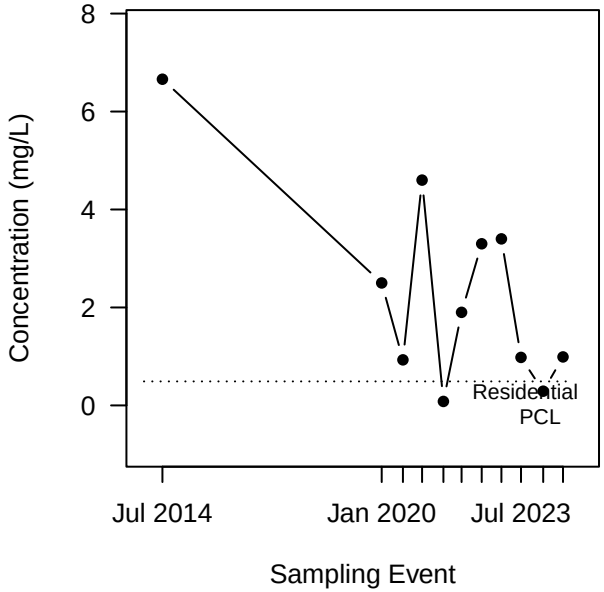
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−78A

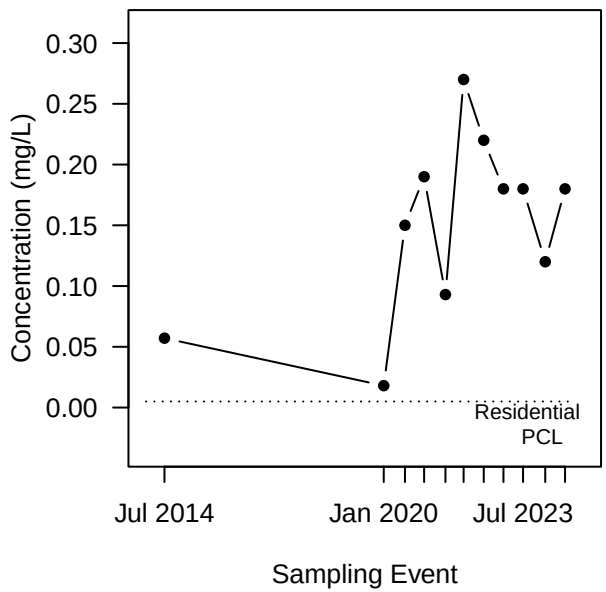
2−Methylnaphthalene (Det/N = 11/11)
Stable
(p−value=0.218 and CV=0.59)



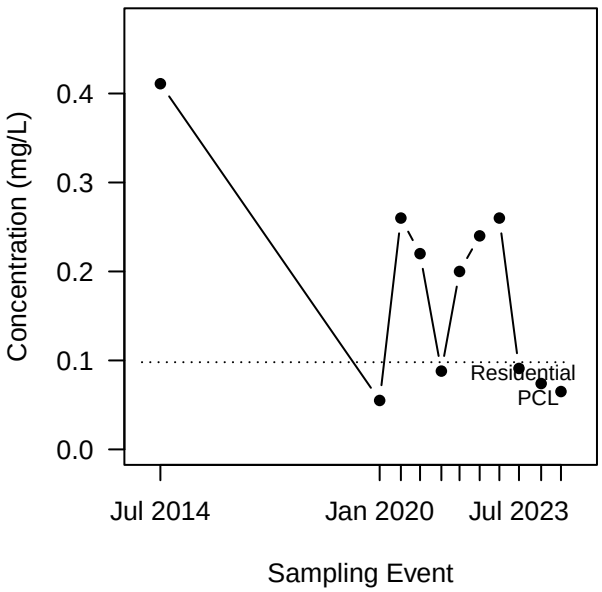
2,4−Dimethylphenol (Det/N = 11/11)
Stable
(p−value=0.138 and CV=0.87)



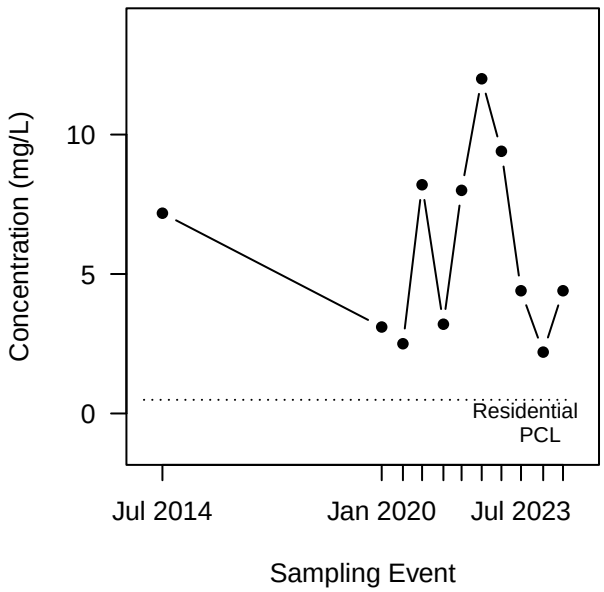
Benzene (Det/N = 11/11)
No Trend
(p−value=0.153 and CV=0.49)



Dibenzofuran (Det/N = 11/11)
Probably Decreasing
(p−value=0.0922 and CV=0.63)



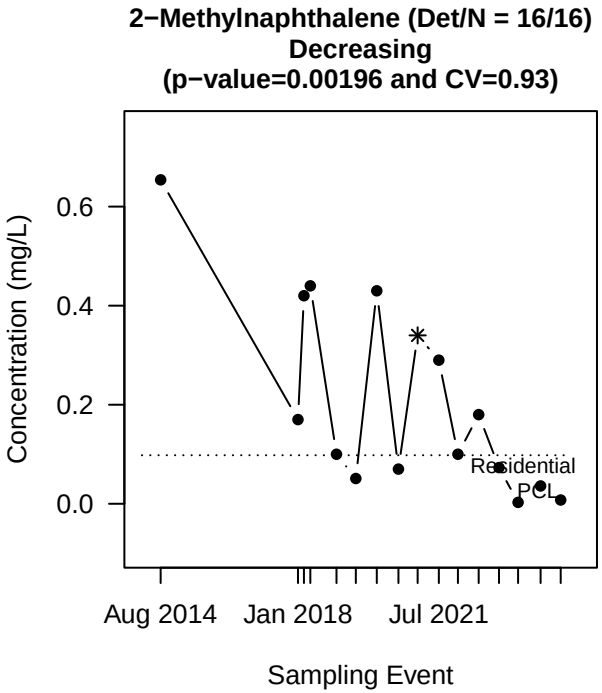
Naphthalene (Det/N = 11/11)
No Trend
(p−value=0.469 and CV=0.55)

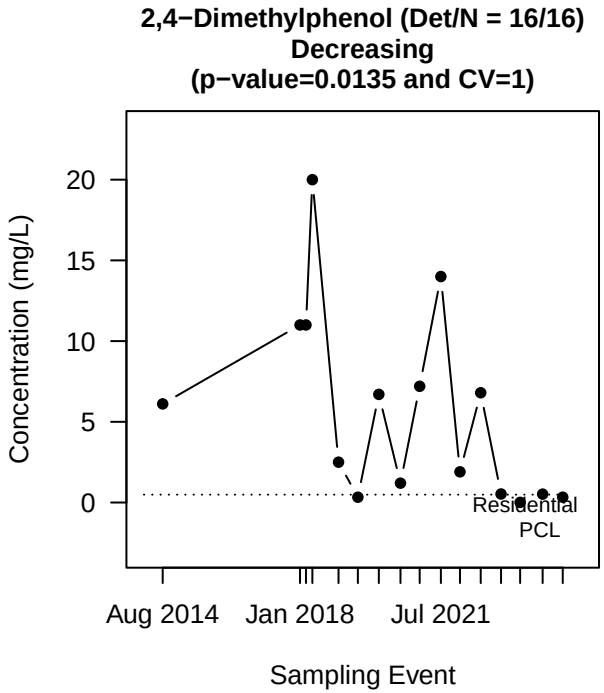


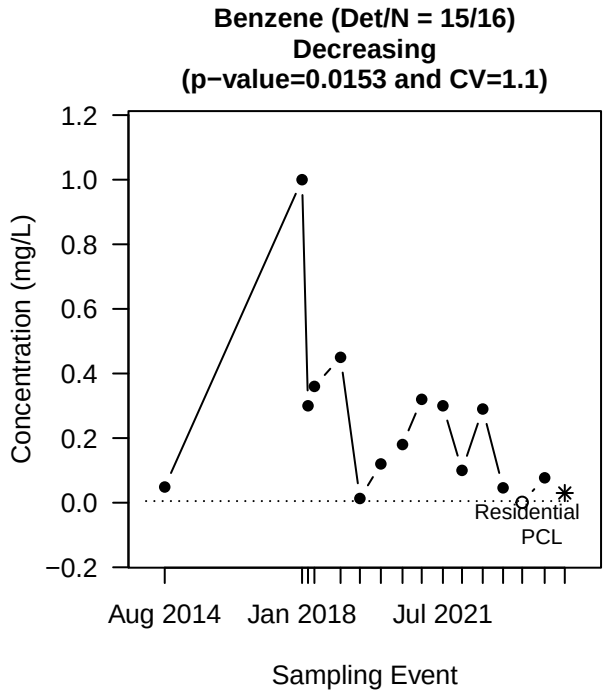
LEGEND:
Concentration
- DET
- ND (DL plotted)

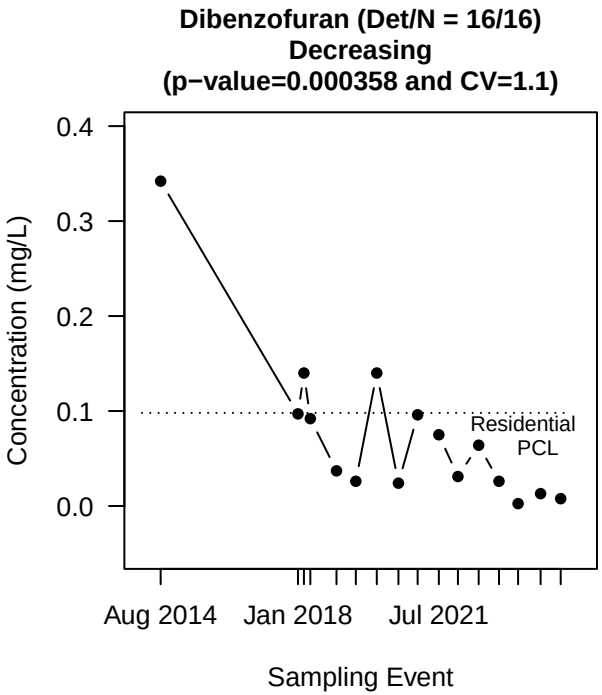
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

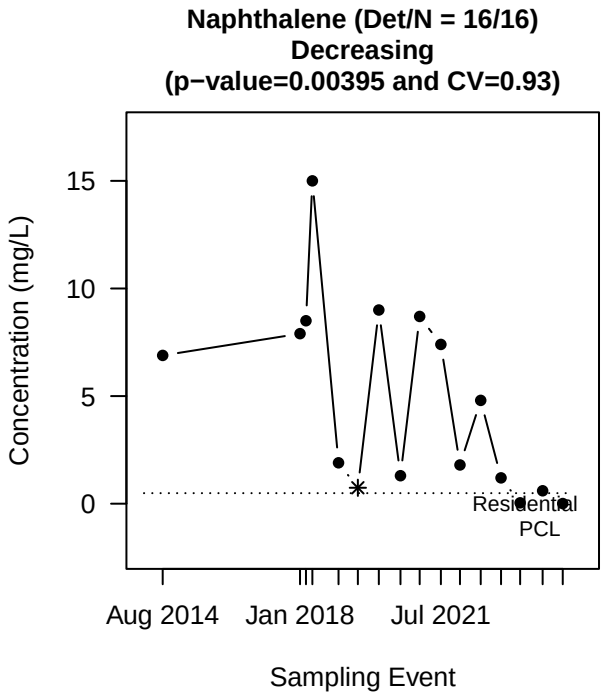
Mann−Kendall Trend Tests for MW−79A







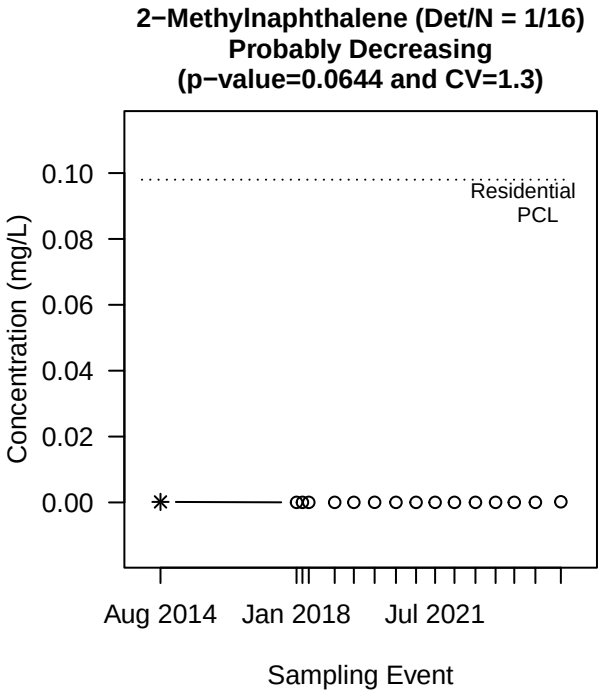


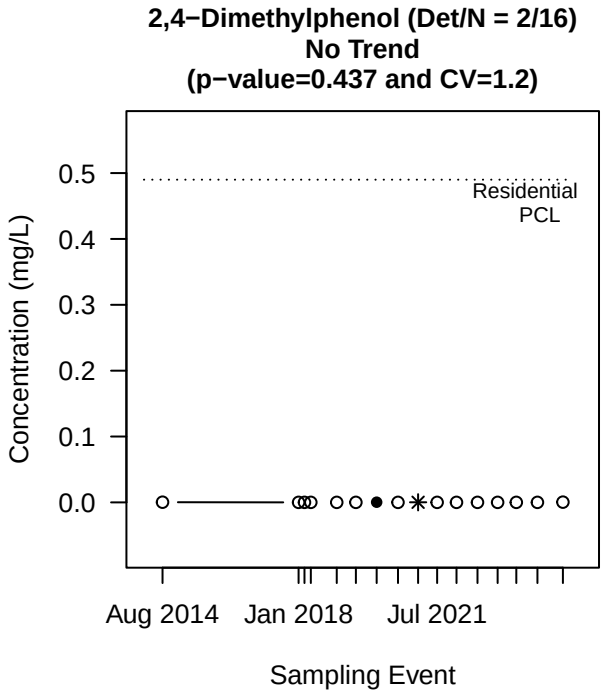


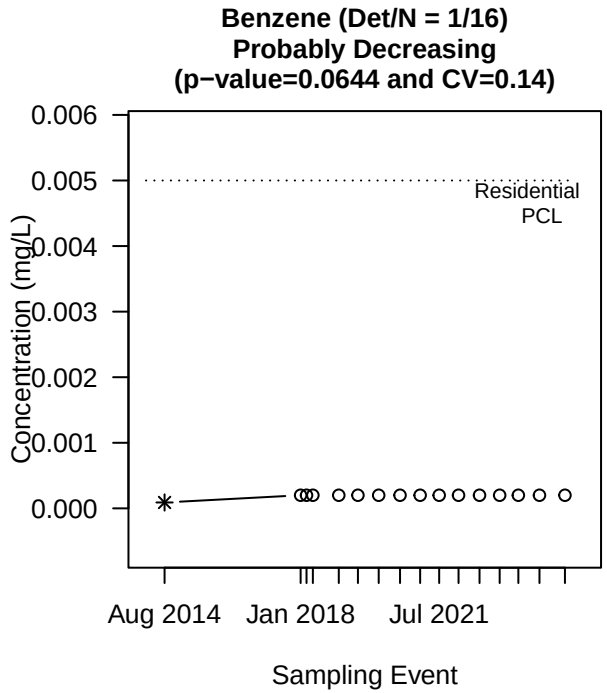
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

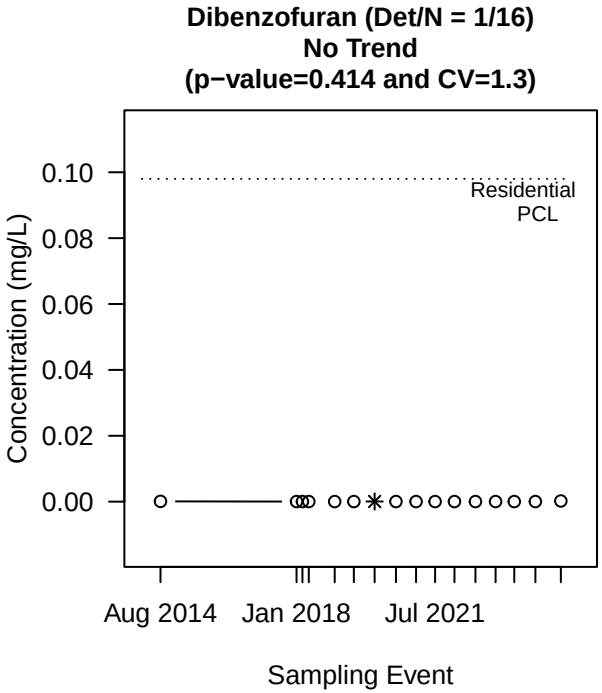
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

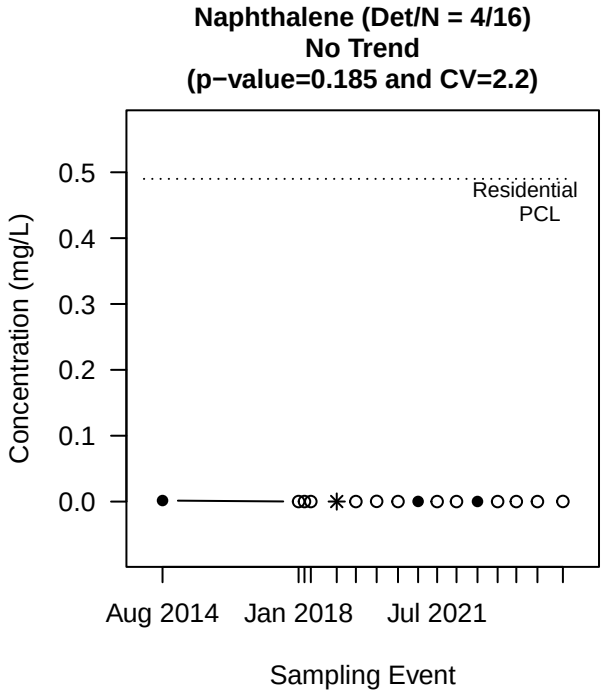
Mann−Kendall Trend Tests for MW−80B

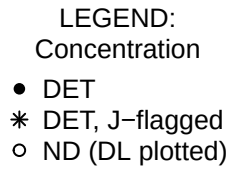






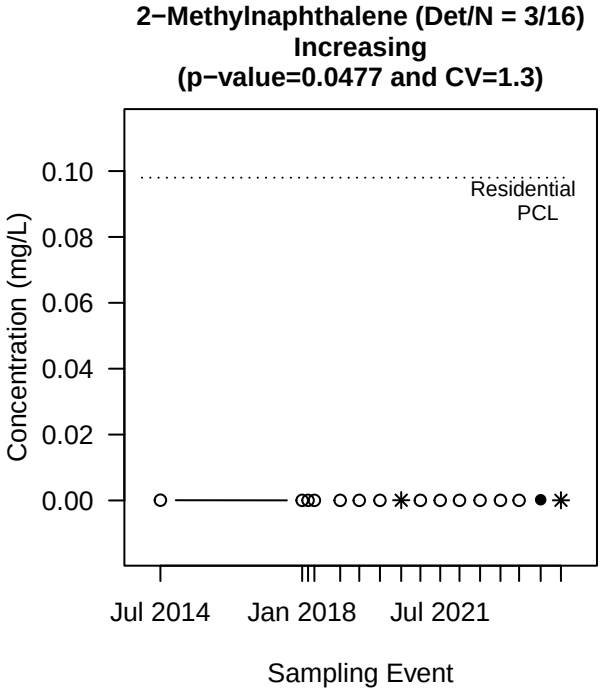


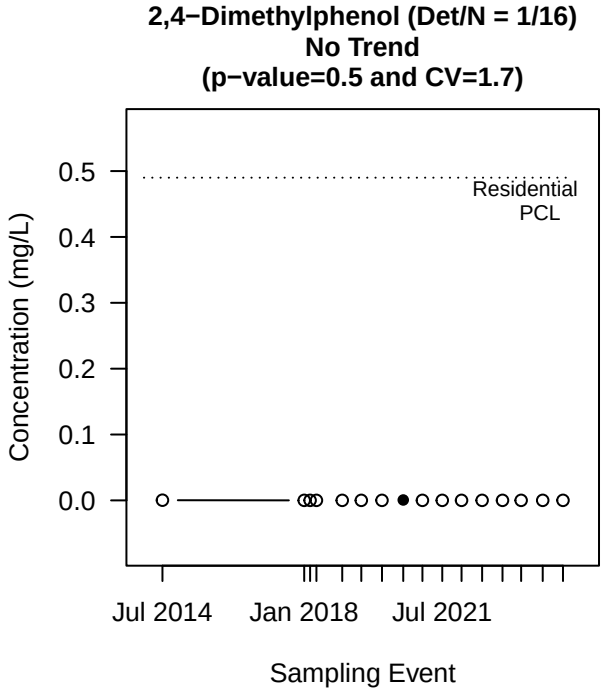


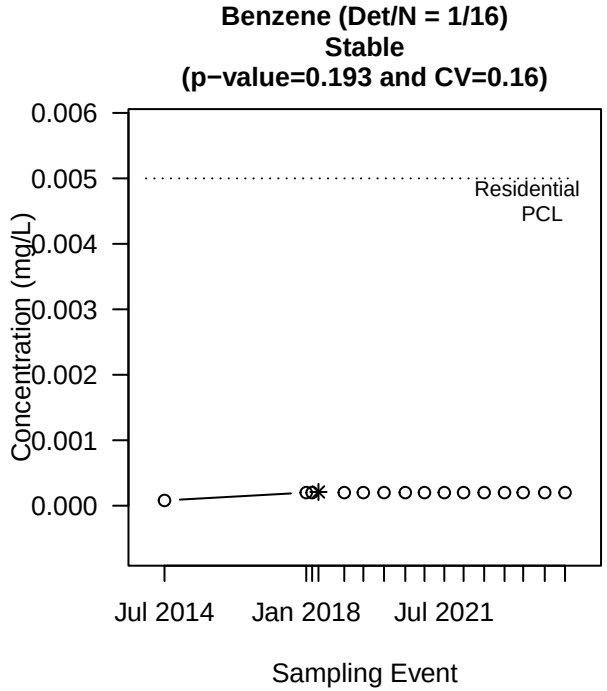


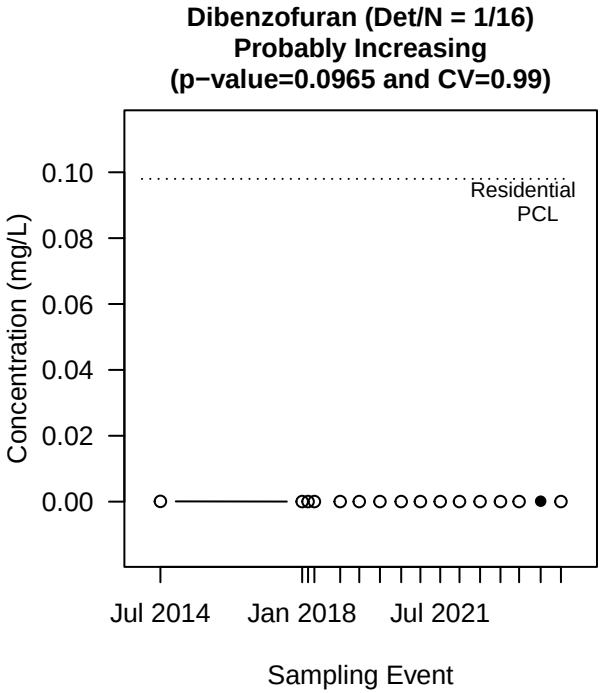
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

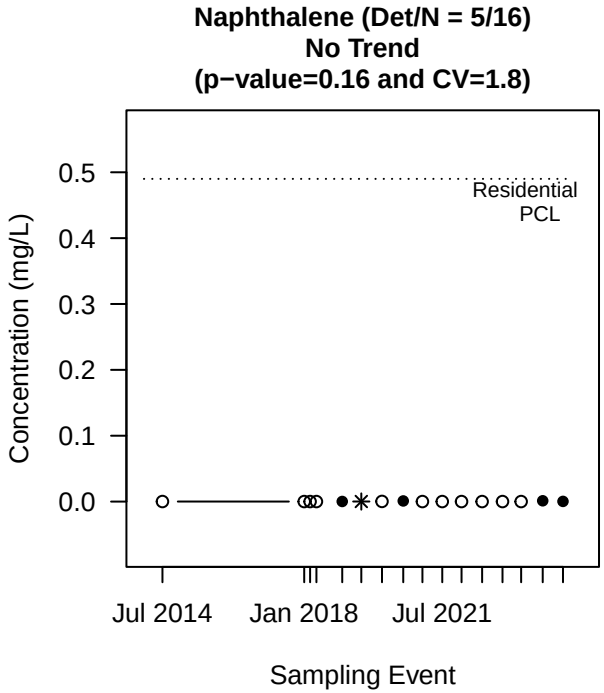
Mann−Kendall Trend Tests for MW−81B

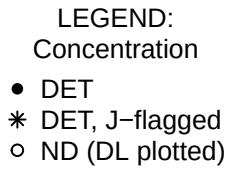






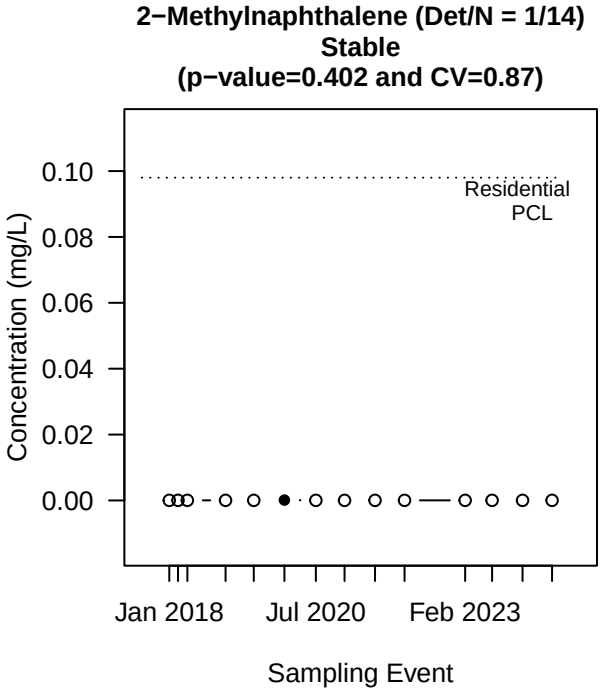


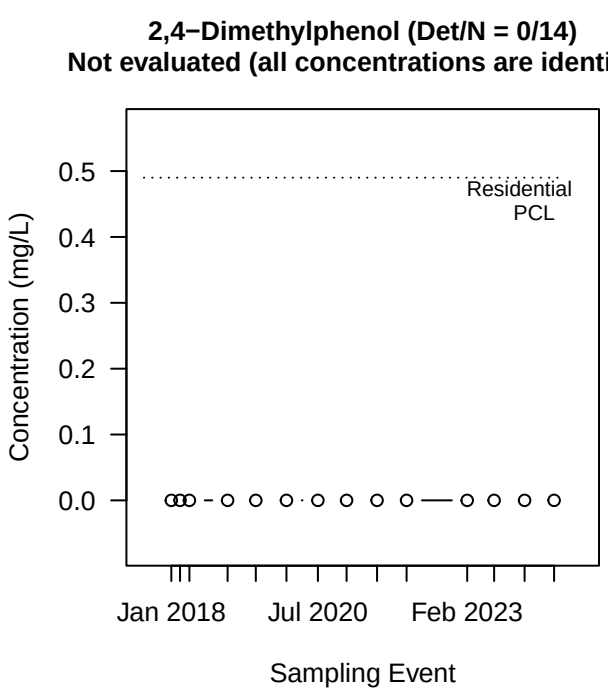


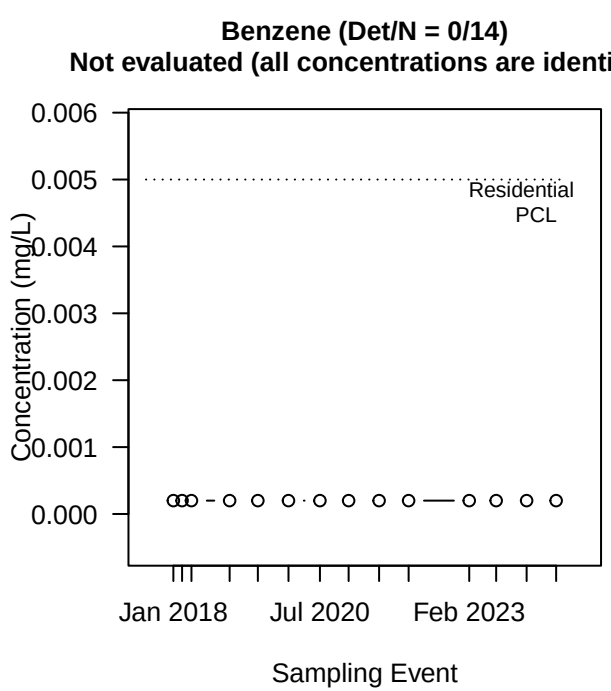


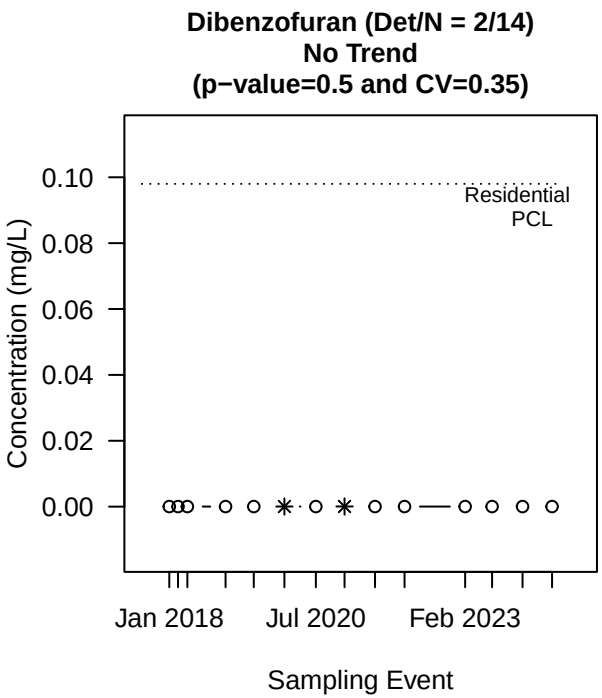
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

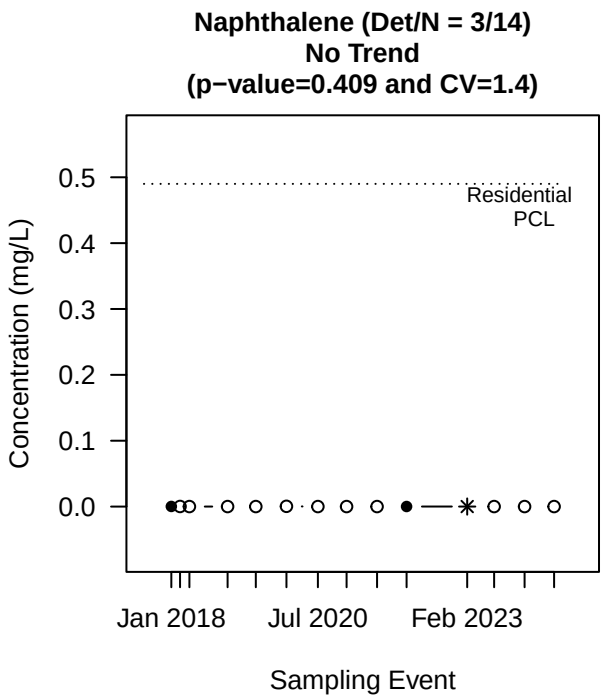
Mann−Kendall Trend Tests for MW−82B

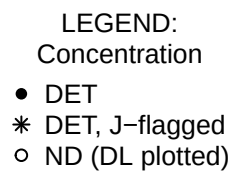






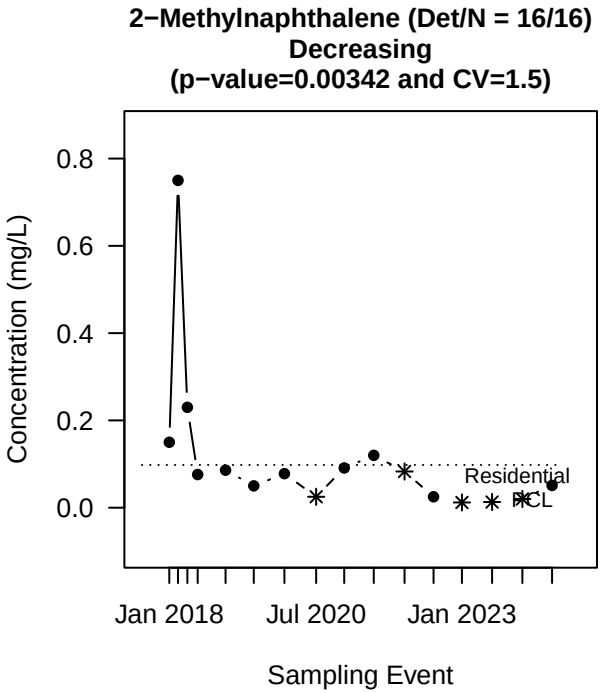


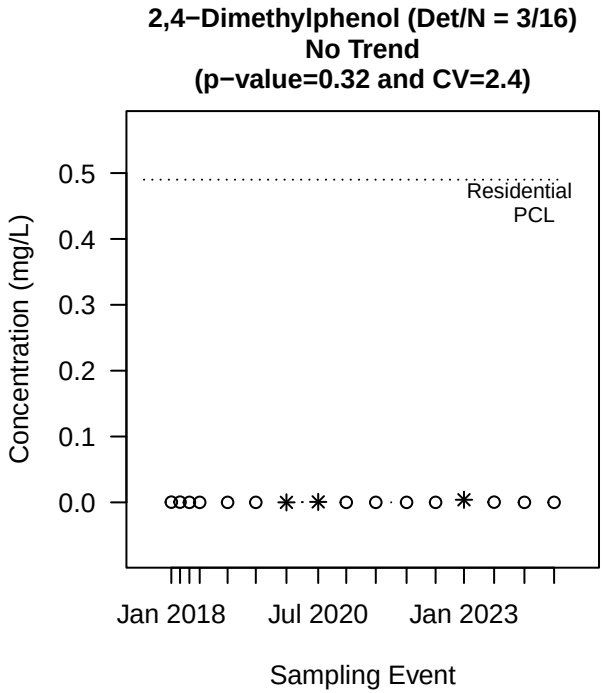


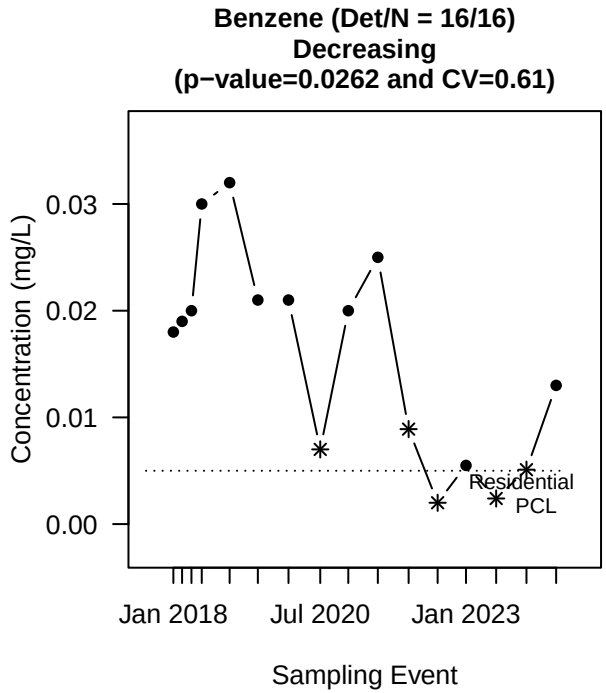


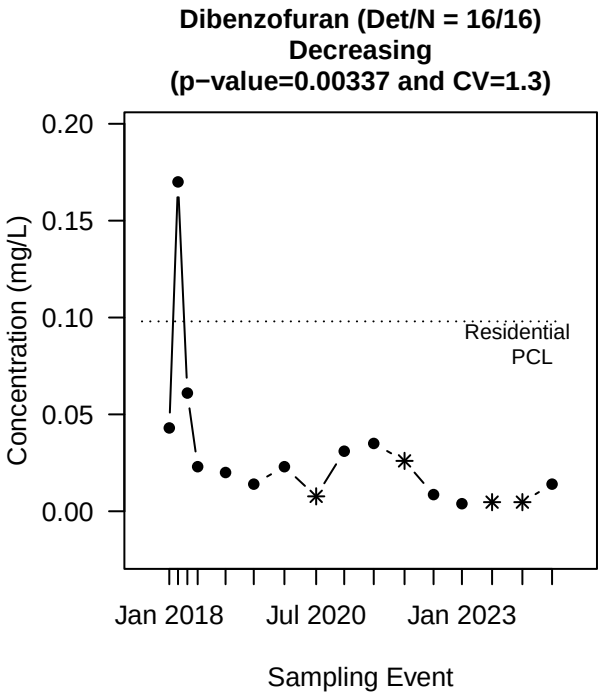
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

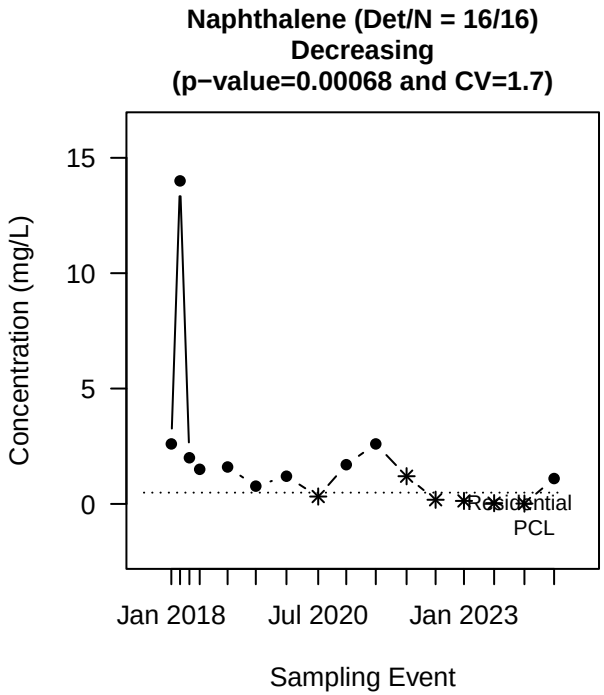
Mann−Kendall Trend Tests for MW−83B







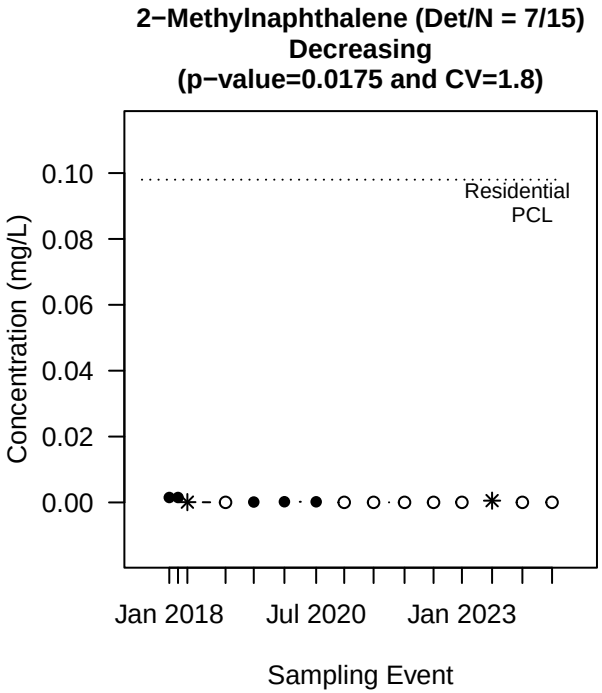


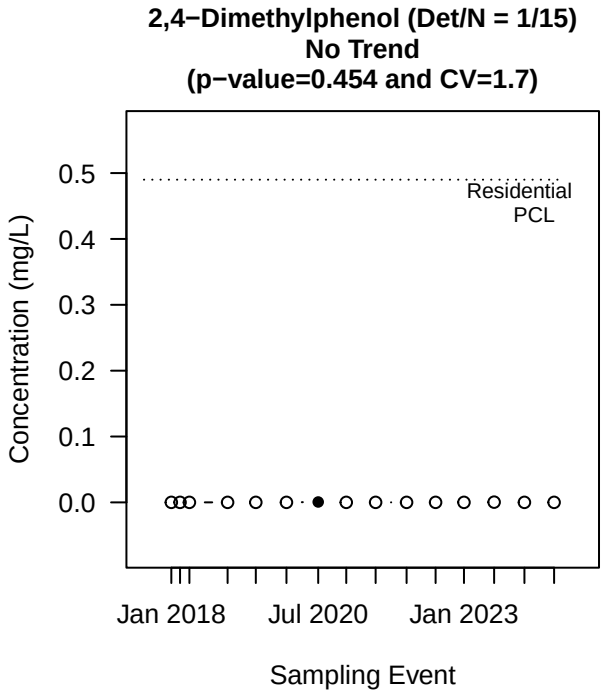


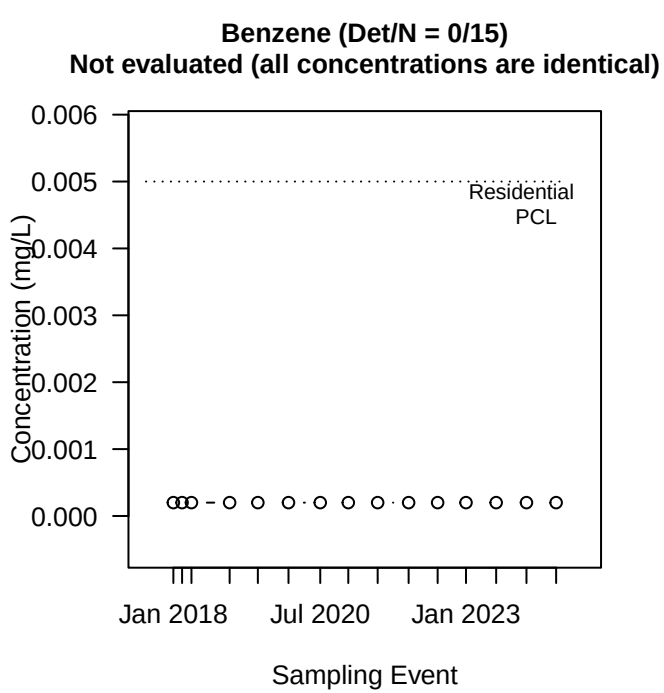
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

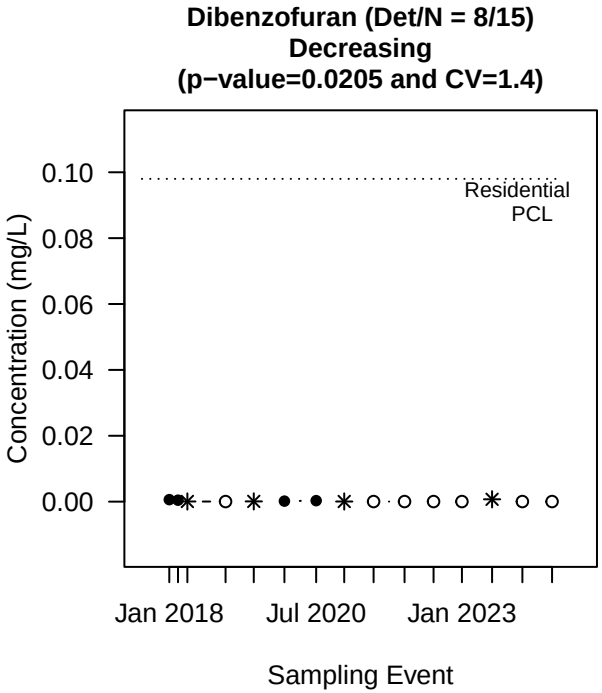
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

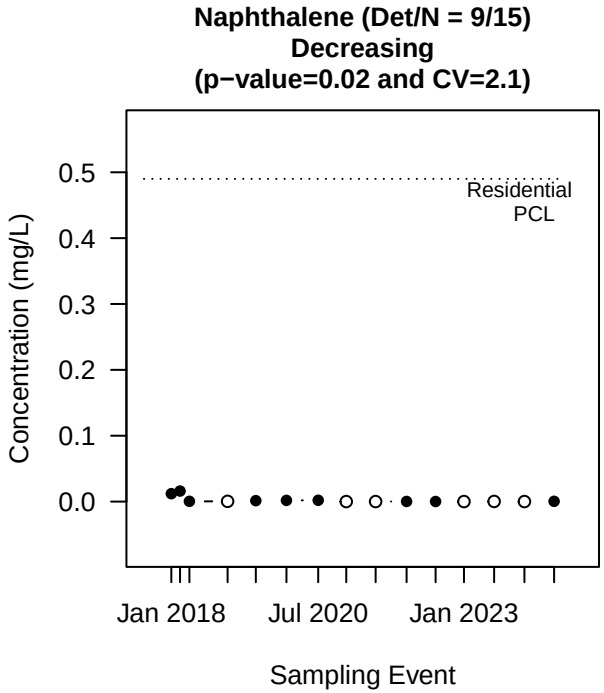
Mann−Kendall Trend Tests for MW−83C

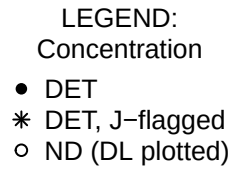






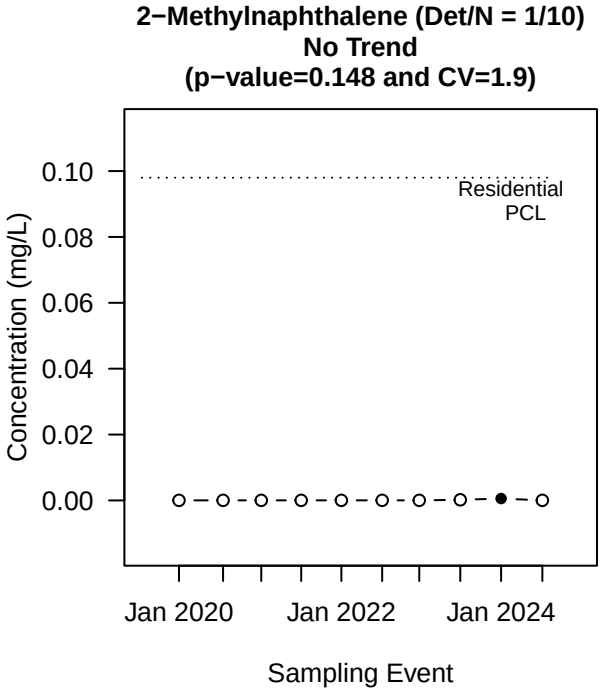


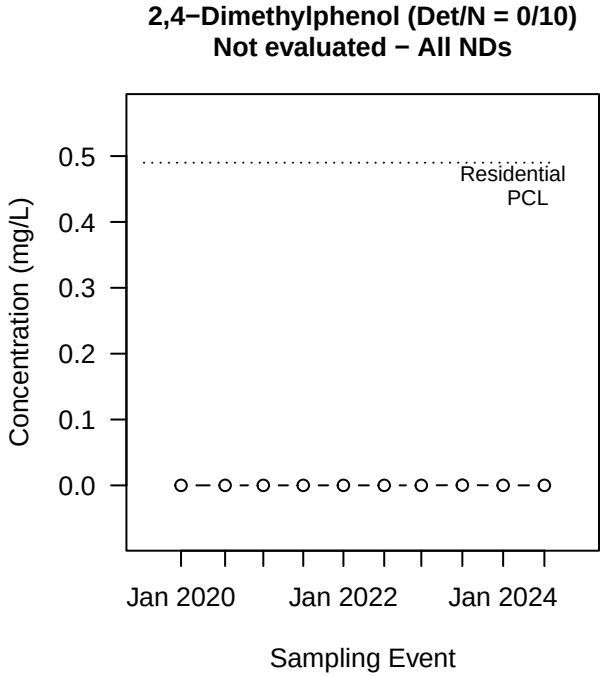


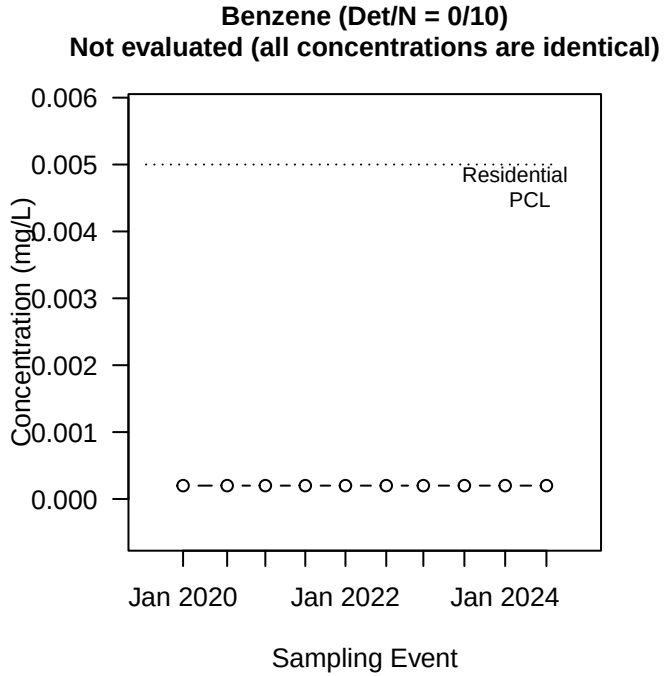


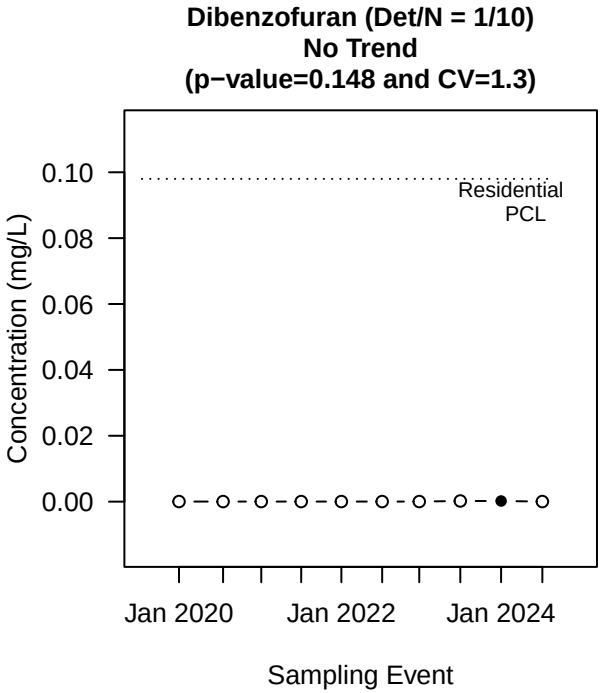
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

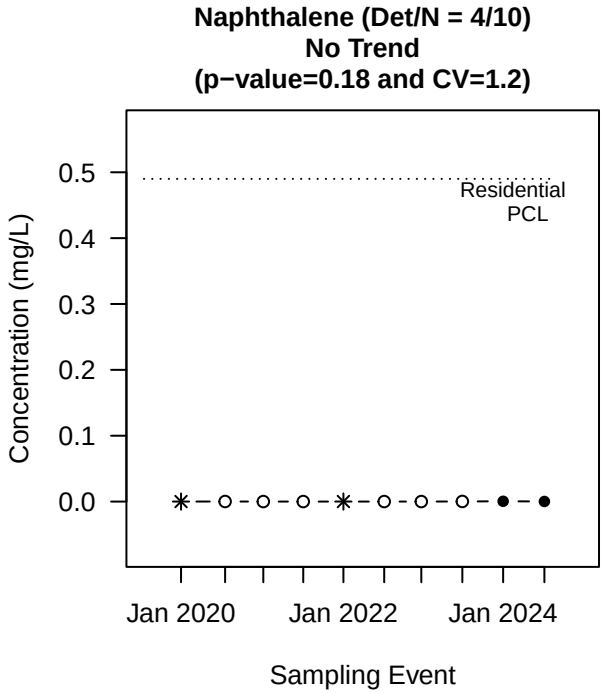
Mann−Kendall Trend Tests for MW−84A

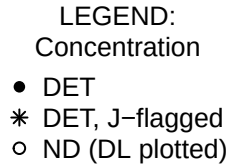








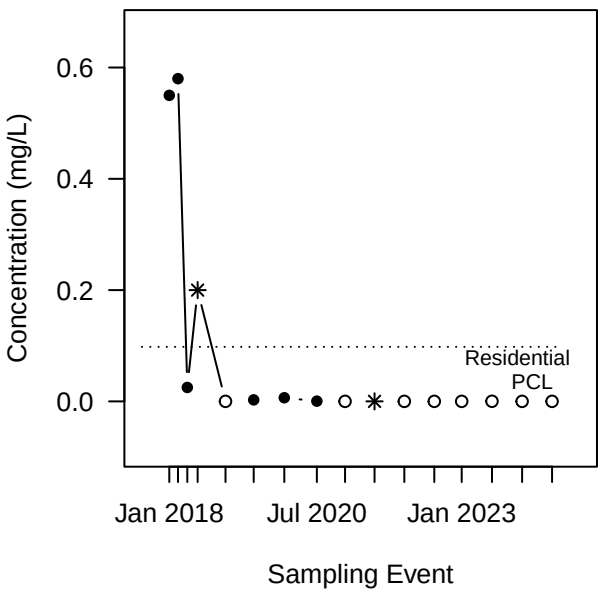




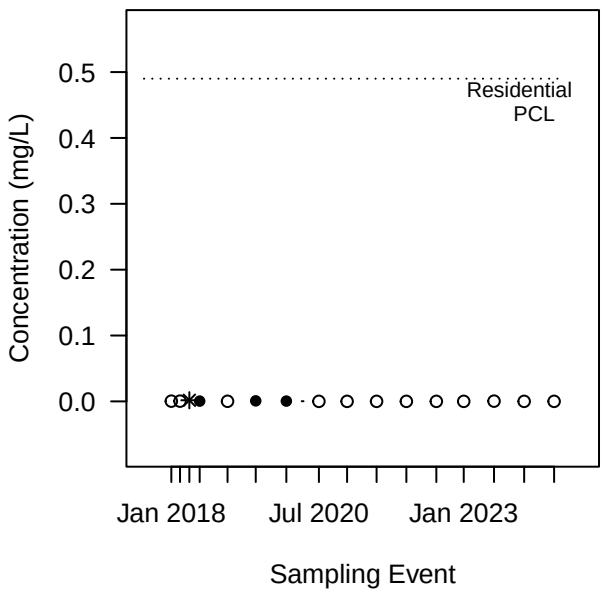
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−84B

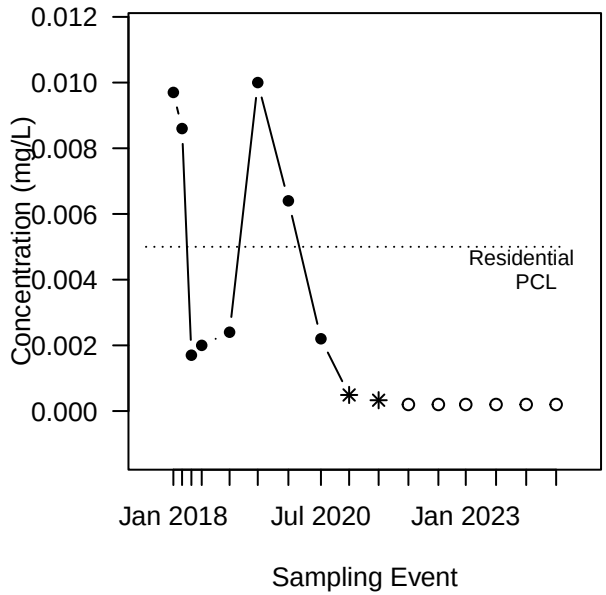
2−Methylnaphthalene (Det/N = 8/16)
Decreasing
(p−value=0.000144 and CV=2.3)



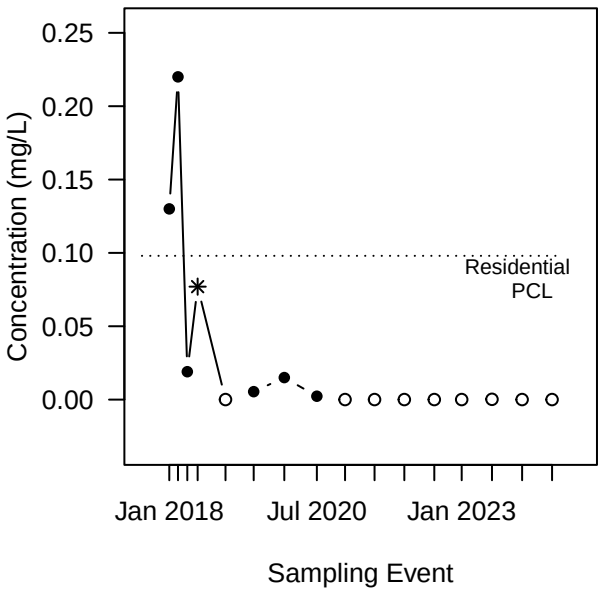
2,4−Dimethylphenol (Det/N = 4/16)
Decreasing
(p−value=0.0364 and CV=1.4)



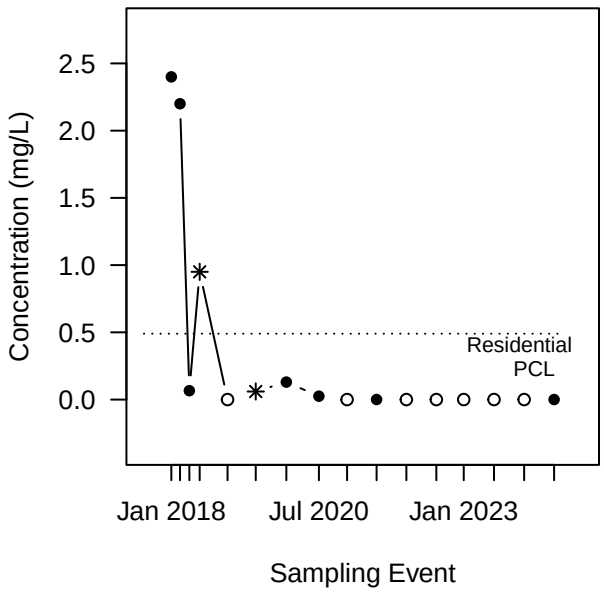
Benzene (Det/N = 10/16)
Decreasing
(p−value=0.000149 and CV=1.3)



Dibenzofuran (Det/N = 7/16)
Decreasing
(p−value=0.000197 and CV=2.1)



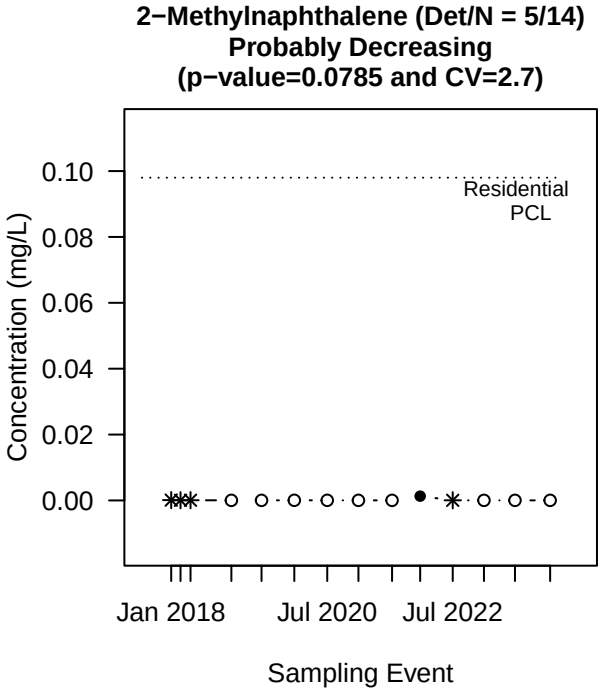
Naphthalene (Det/N = 9/16)
Decreasing
(p−value=0.000666 and CV=2.2)

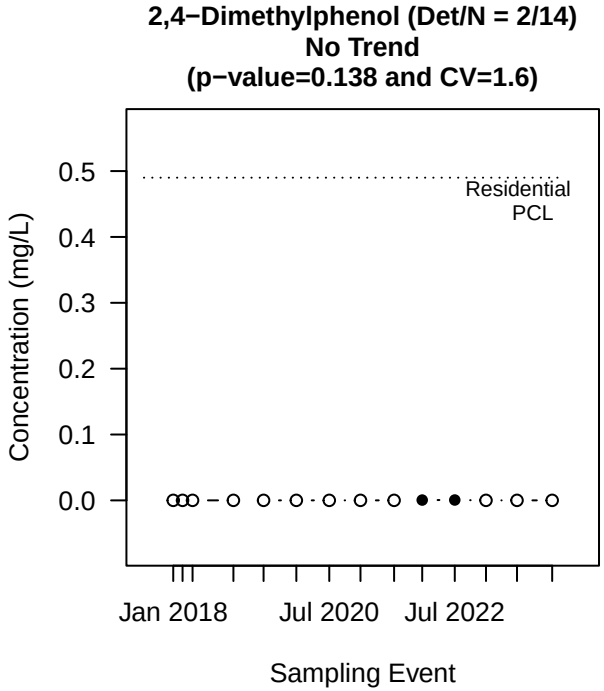


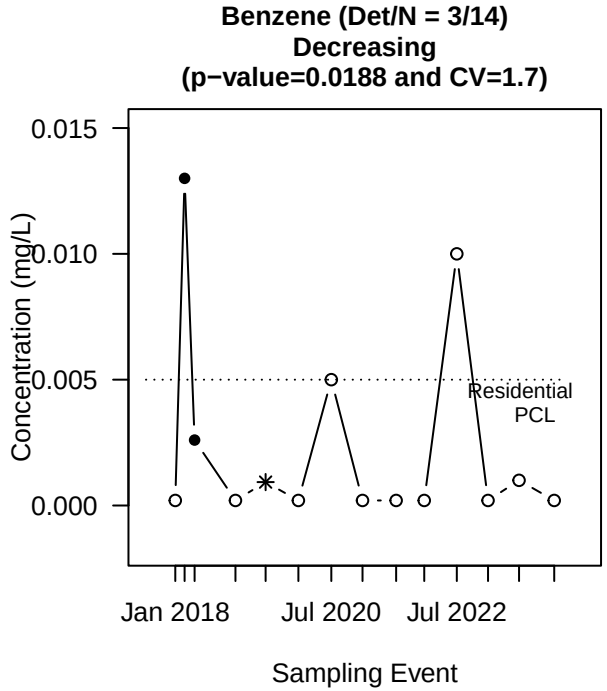
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

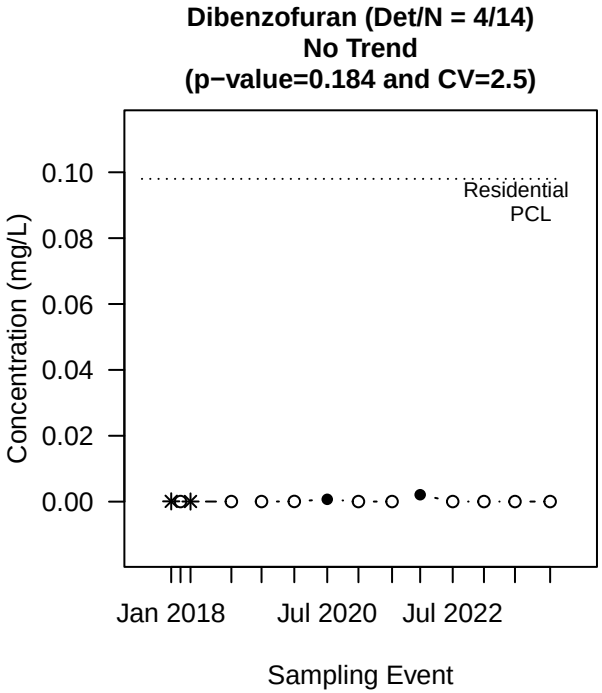
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

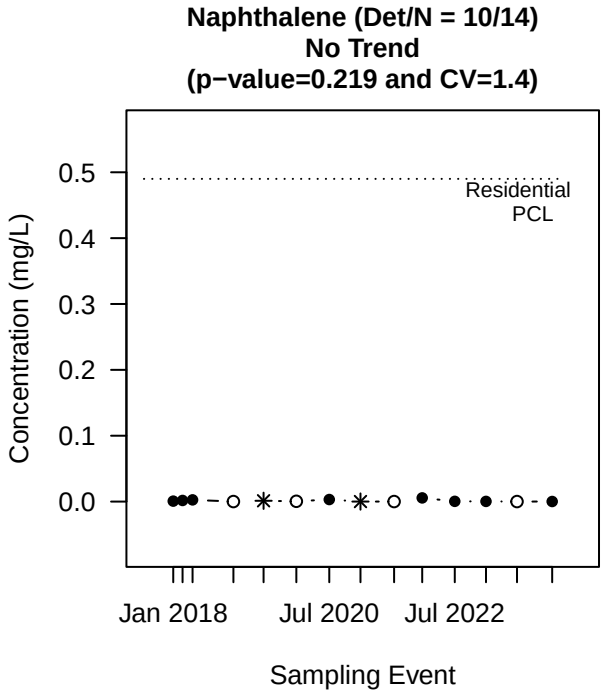
Mann−Kendall Trend Tests for MW−85C

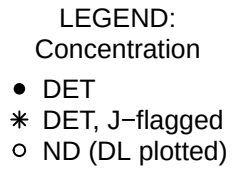






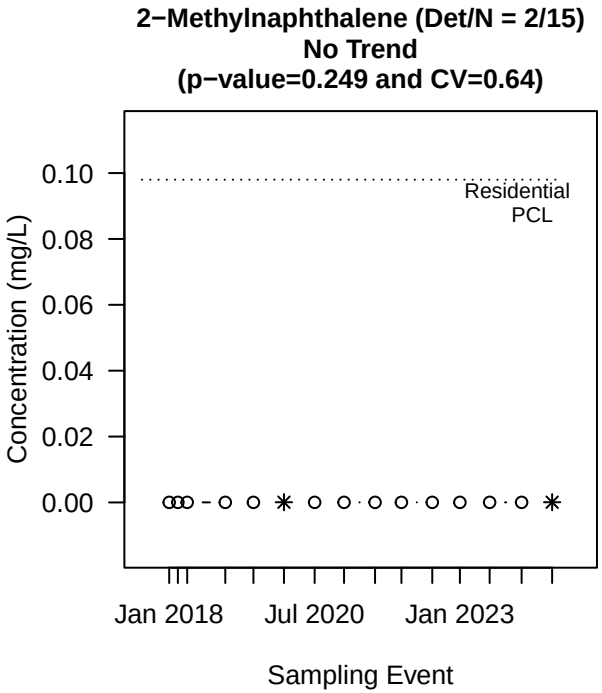


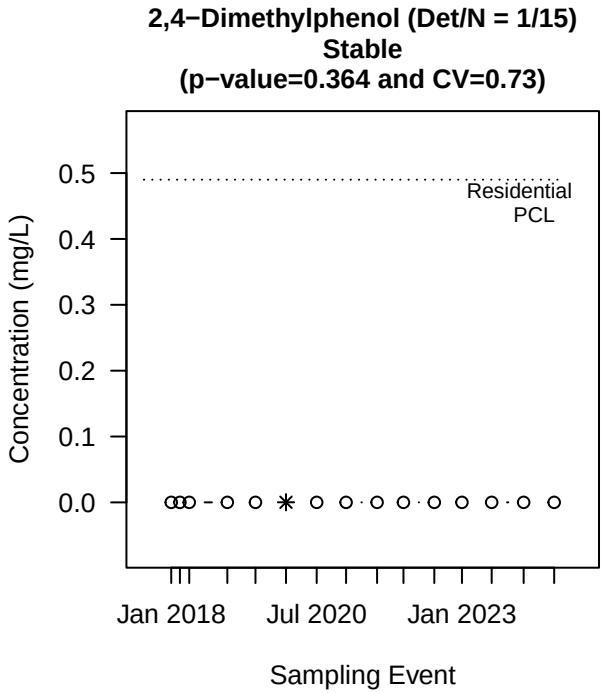


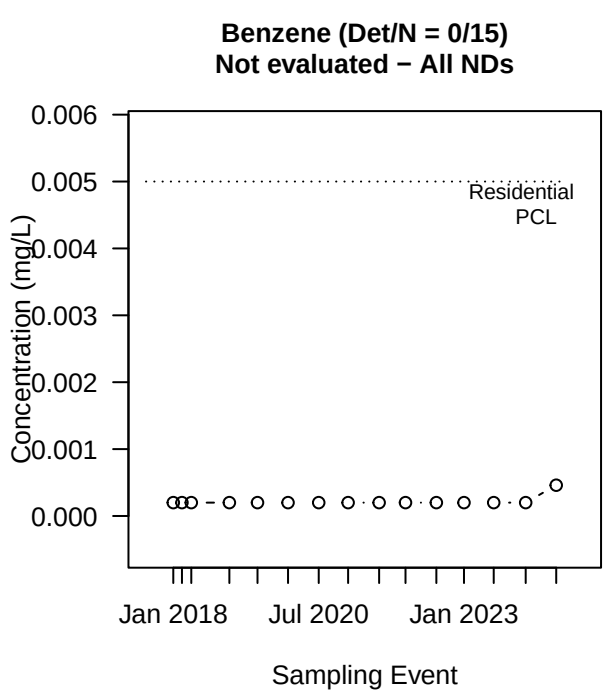


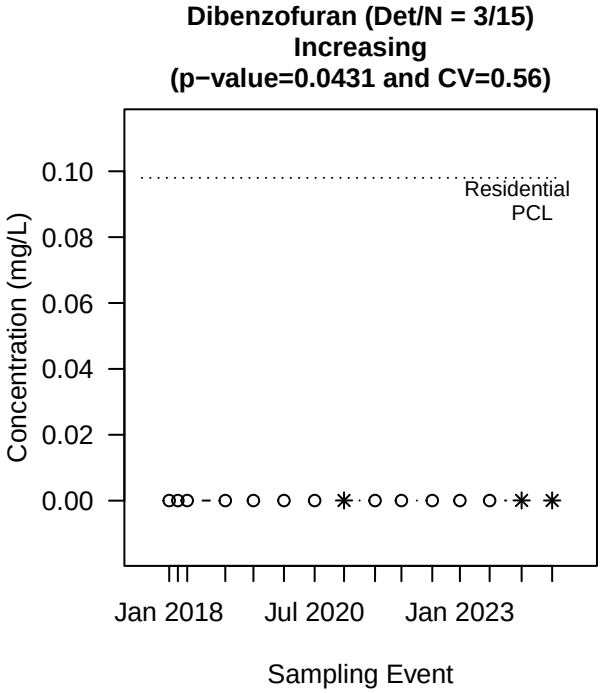
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

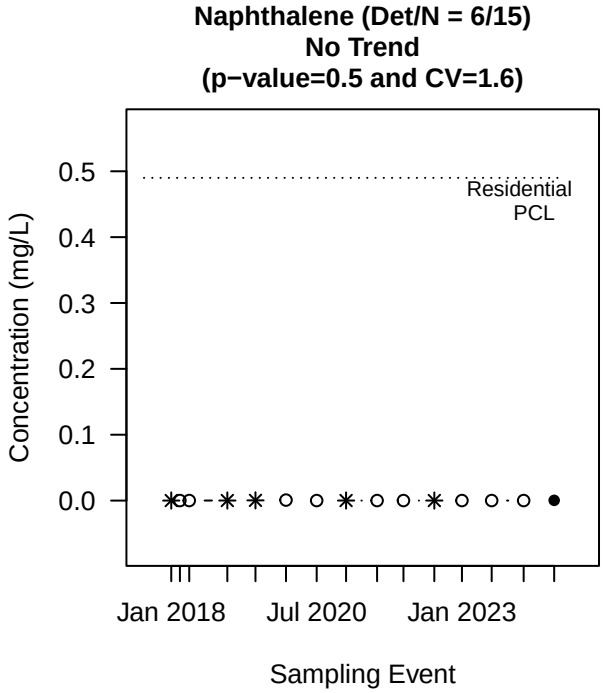
Mann−Kendall Trend Tests for MW−86C







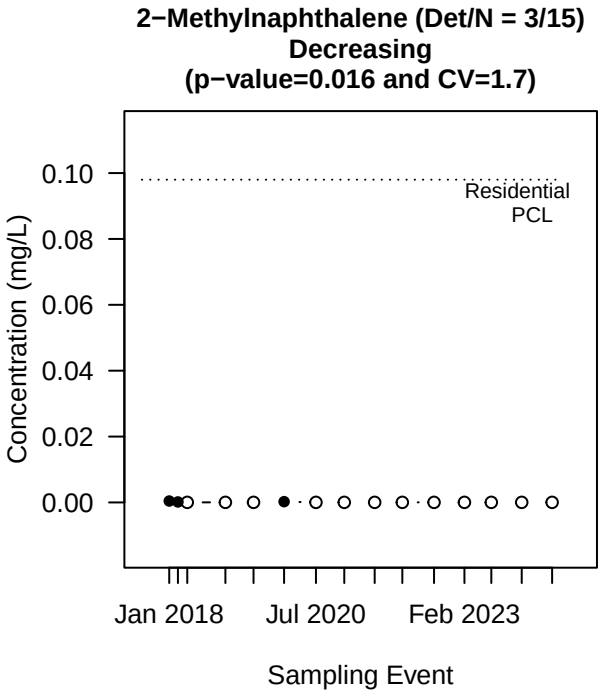


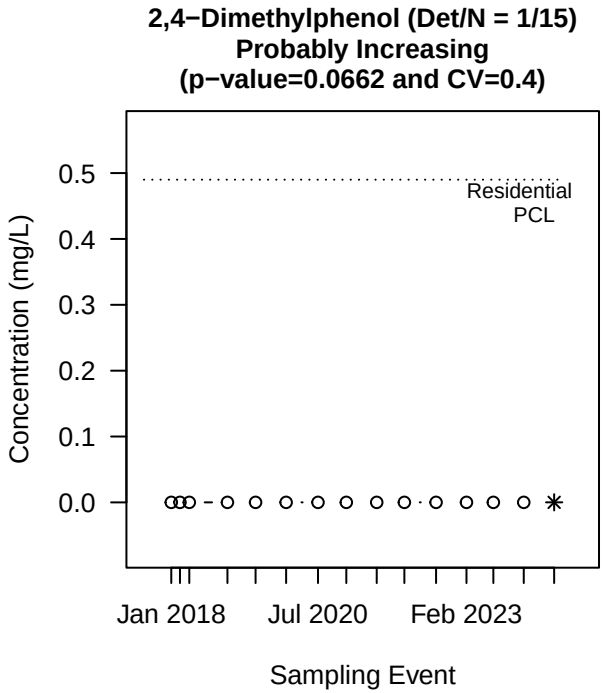


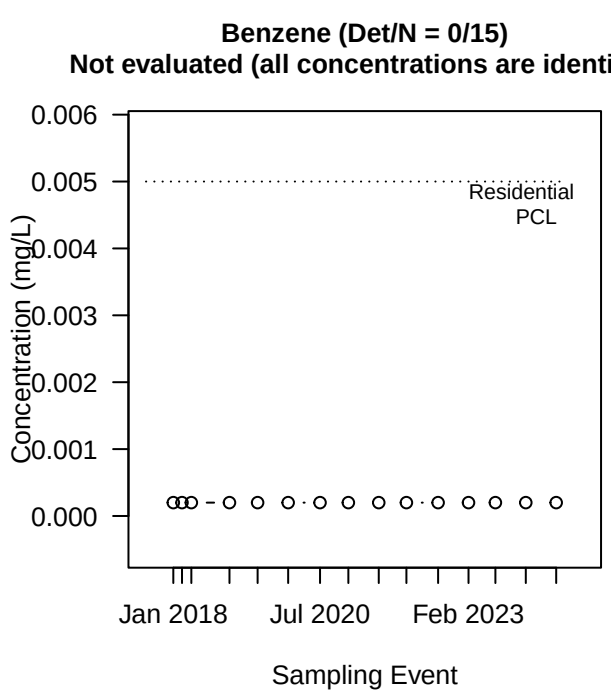
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

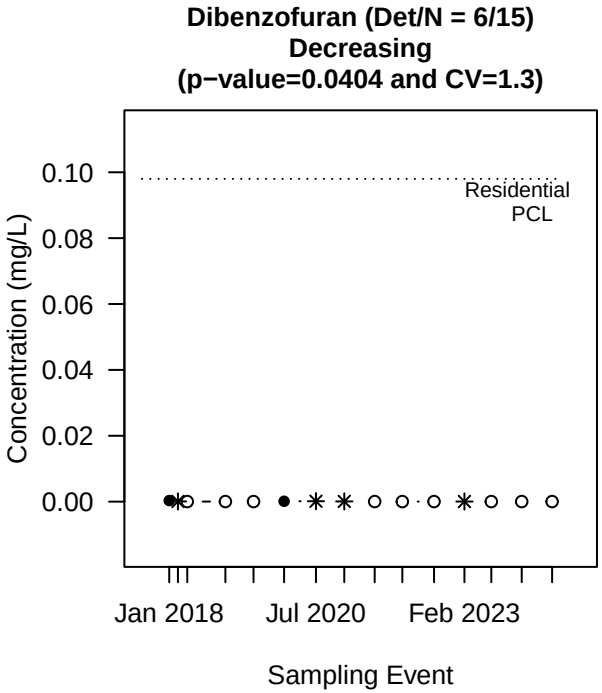
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

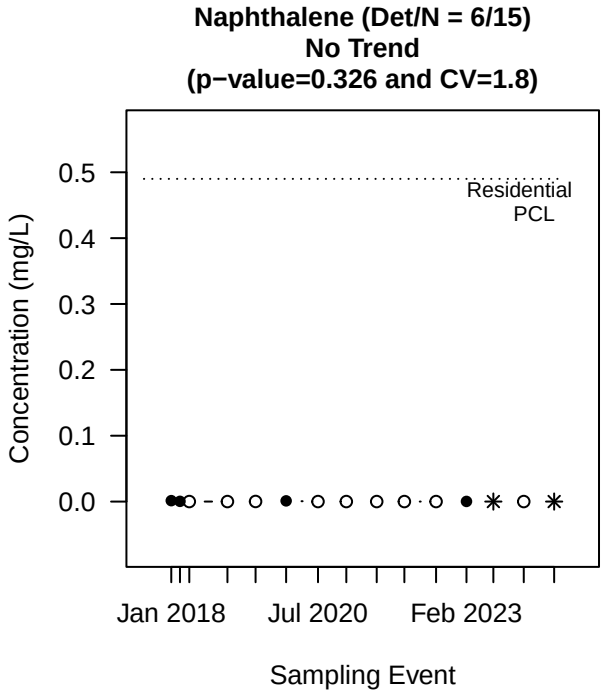
Mann−Kendall Trend Tests for MW−87C

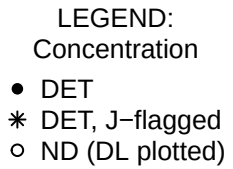








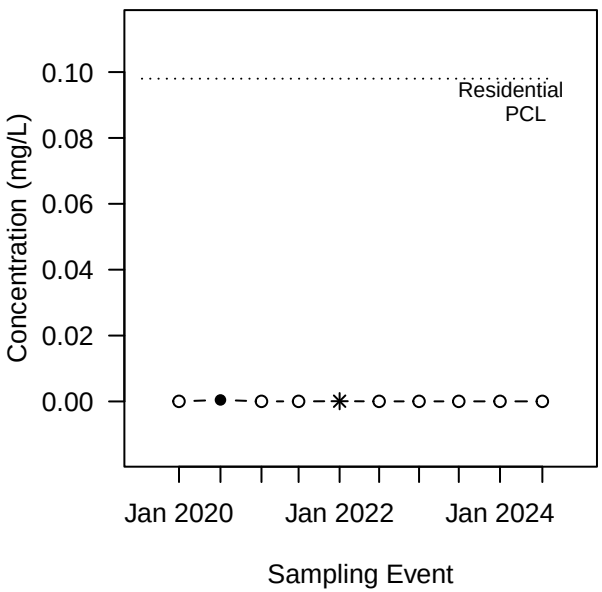




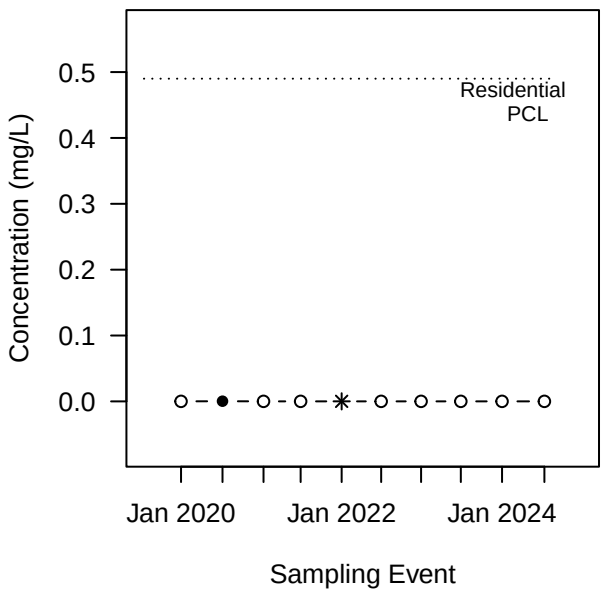
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−88A

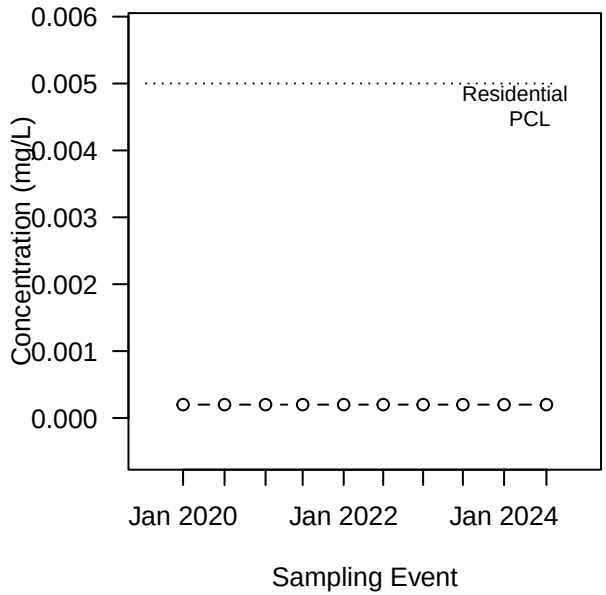
2−Methylnaphthalene (Det/N = 2/10)
No Trend
(p−value=0.15 and CV=2)



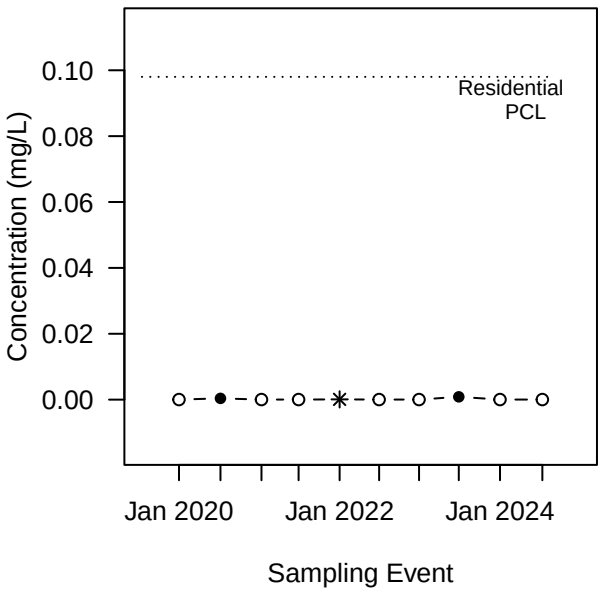
2,4−Dimethylphenol (Det/N = 2/10)
No Trend
(p−value=0.15 and CV=1.1)



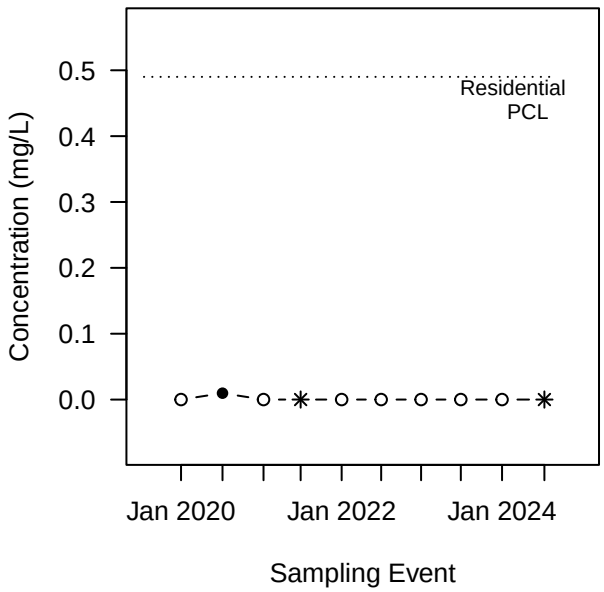
Benzene (Det/N = 0/10)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 3/10)
No Trend
(p−value=0.456 and CV=1.9)



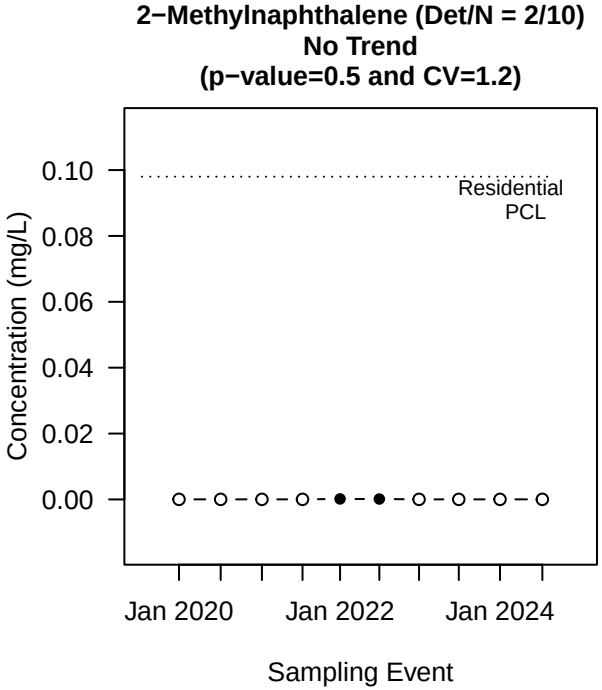
Naphthalene (Det/N = 3/10)
No Trend
(p−value=0.369 and CV=3.1)

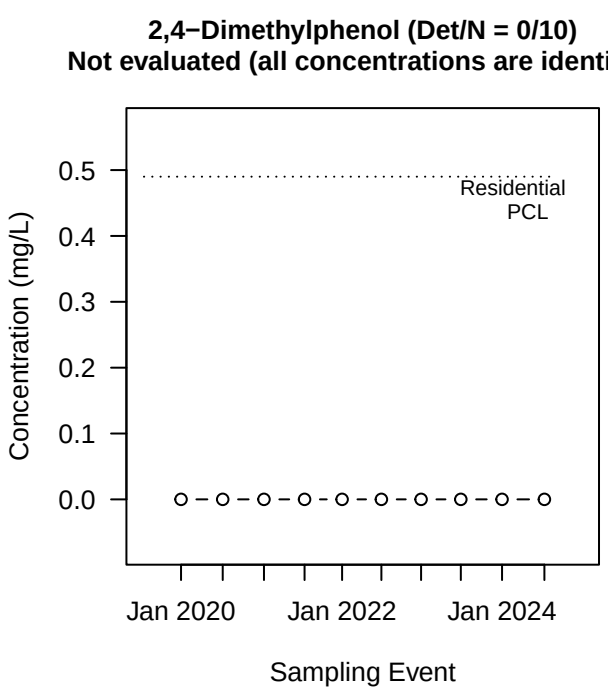


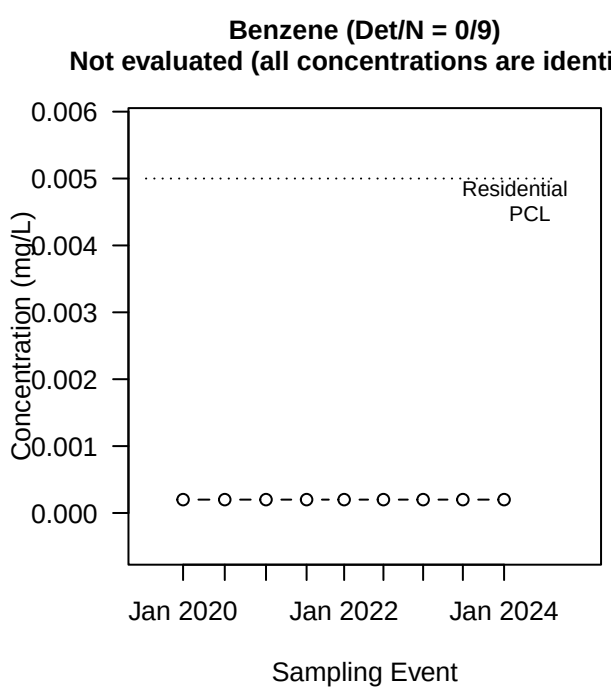
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

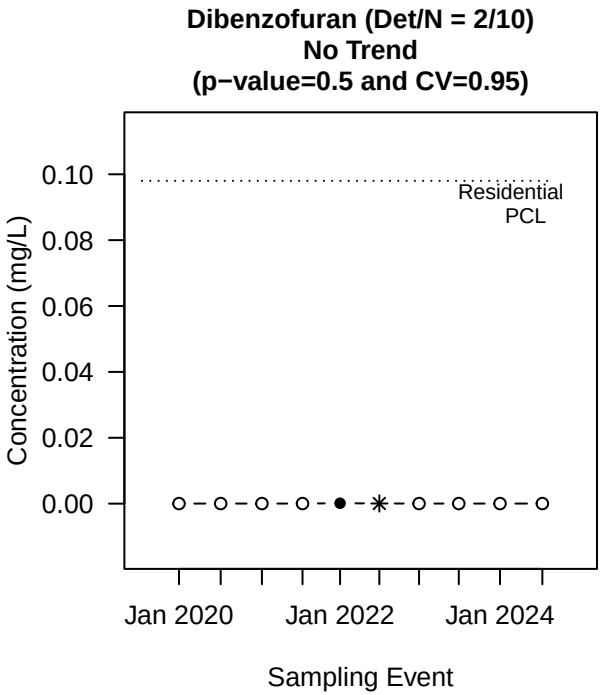
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

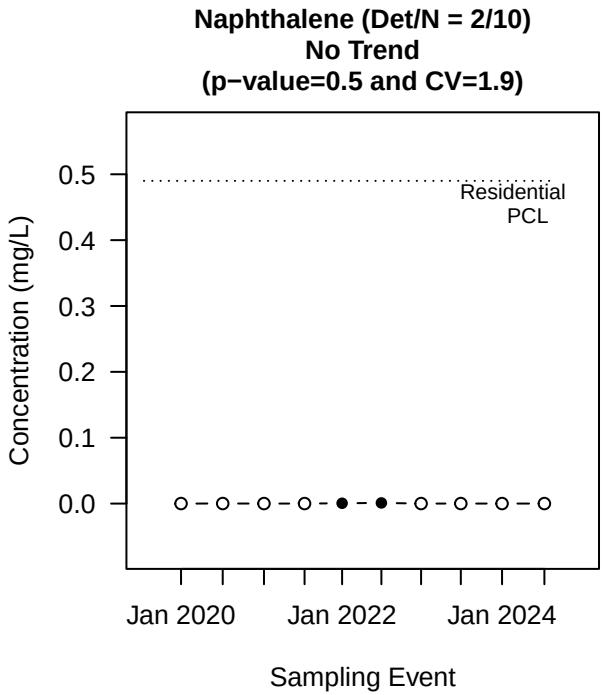
Mann−Kendall Trend Tests for MW−88B

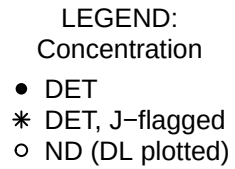








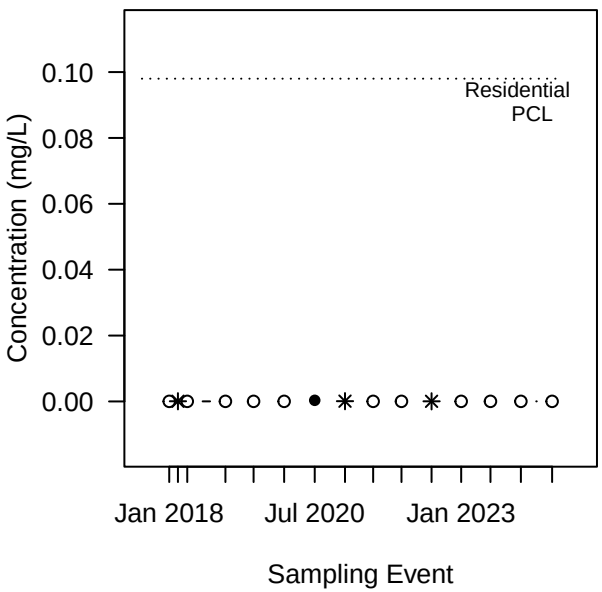




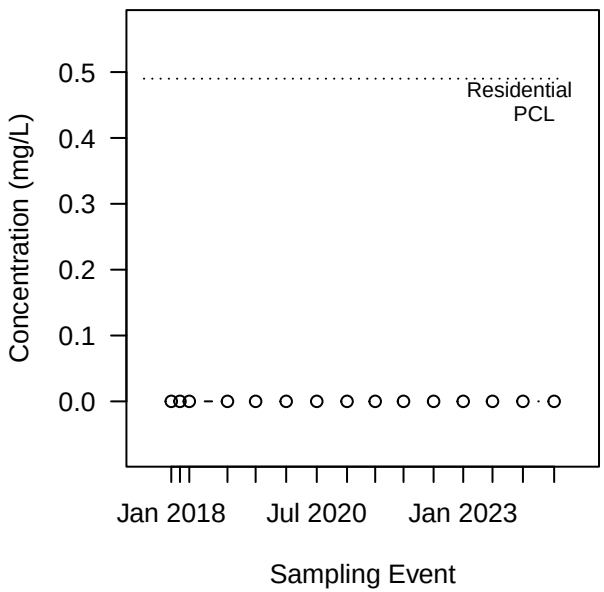
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−88C

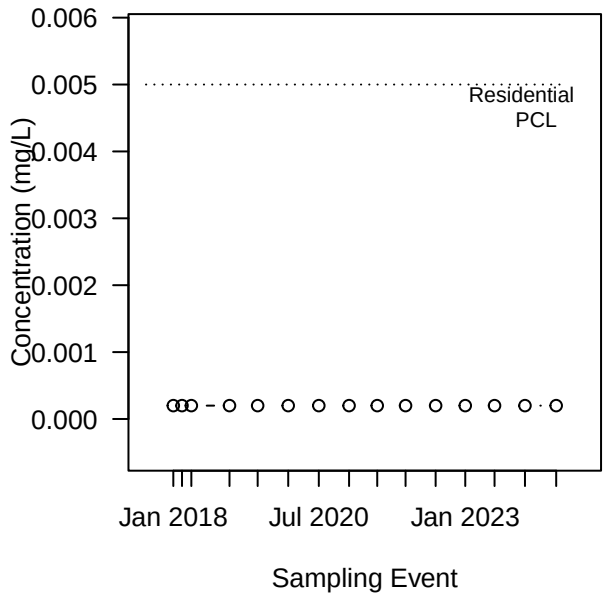
2−Methylnaphthalene (Det/N = 4/15)
No Trend
(p−value=0.282 and CV=1.7)



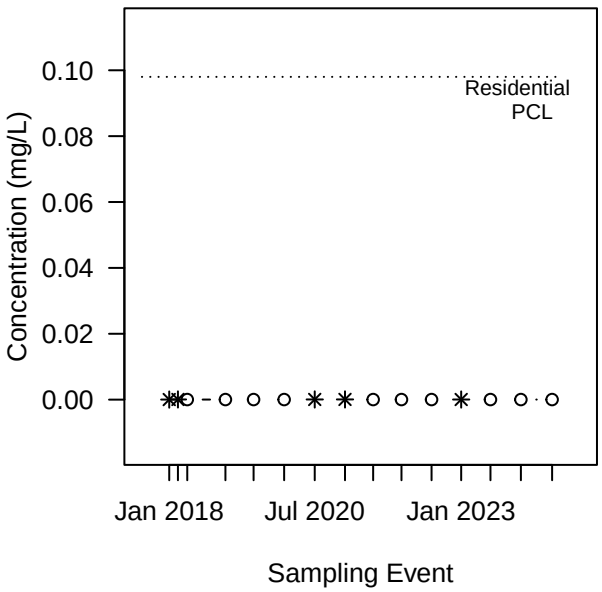
2,4−Dimethylphenol (Det/N = 0/15)
Not evaluated (all concentrations are identical)



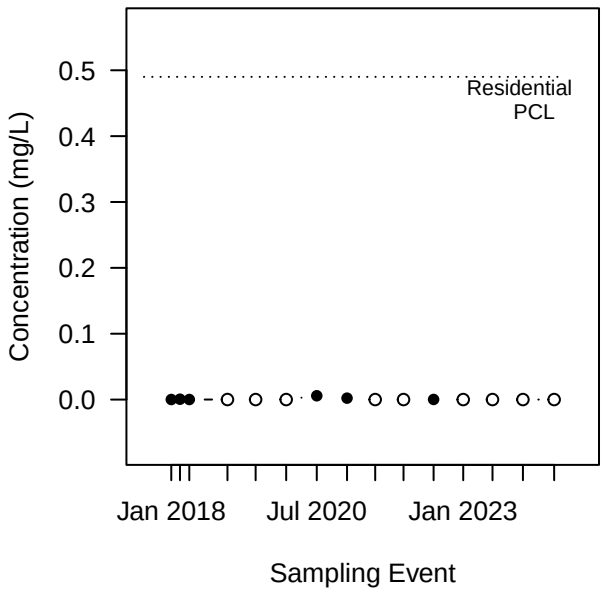
Benzene (Det/N = 0/15)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 5/15)
Stable
(p−value=0.156 and CV=0.54)



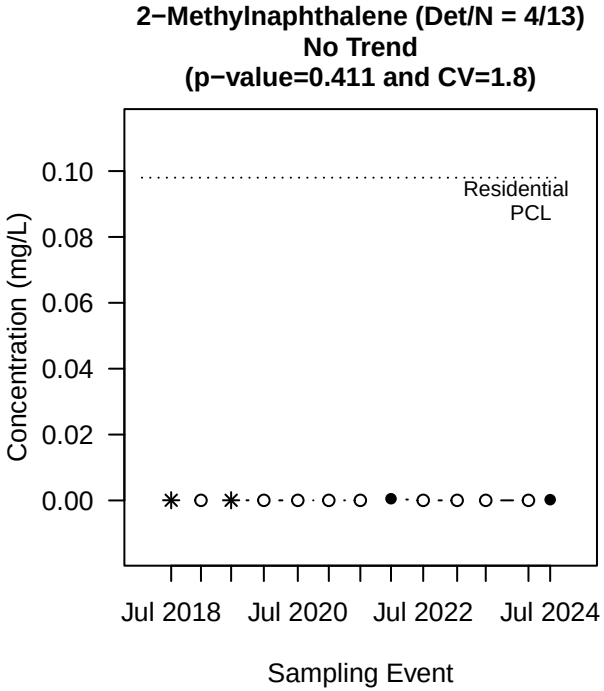
Naphthalene (Det/N = 6/15)
Probably Decreasing
(p−value=0.0642 and CV=2.5)

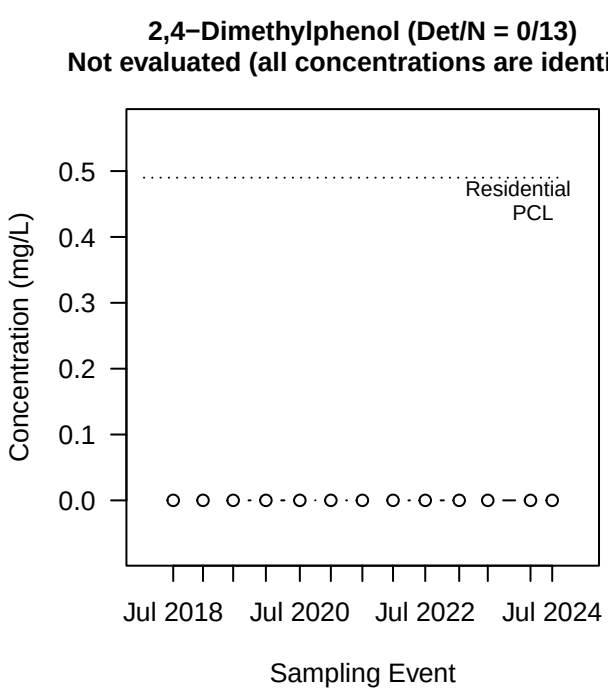


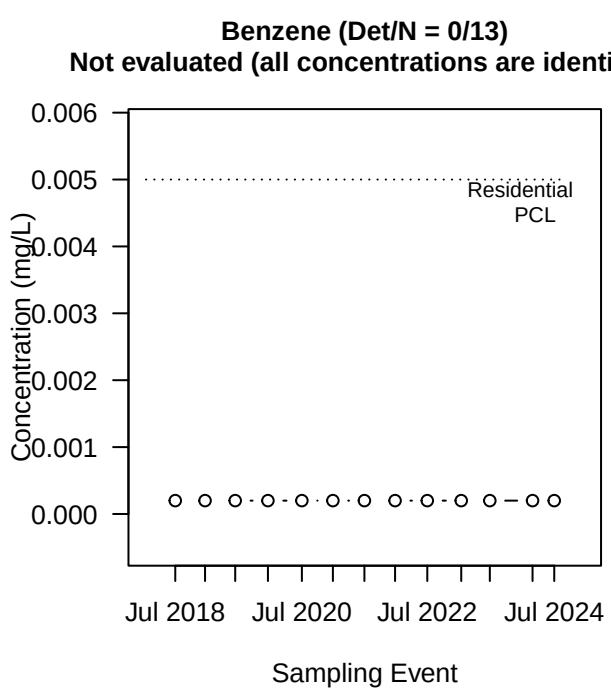
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

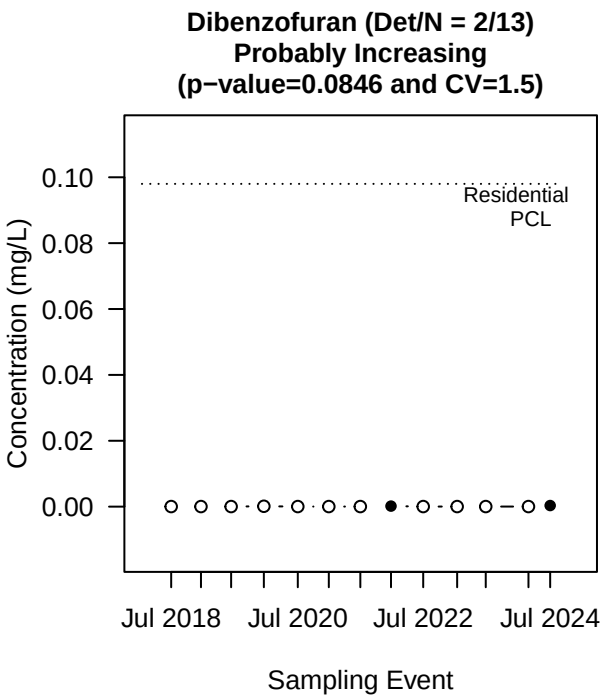
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

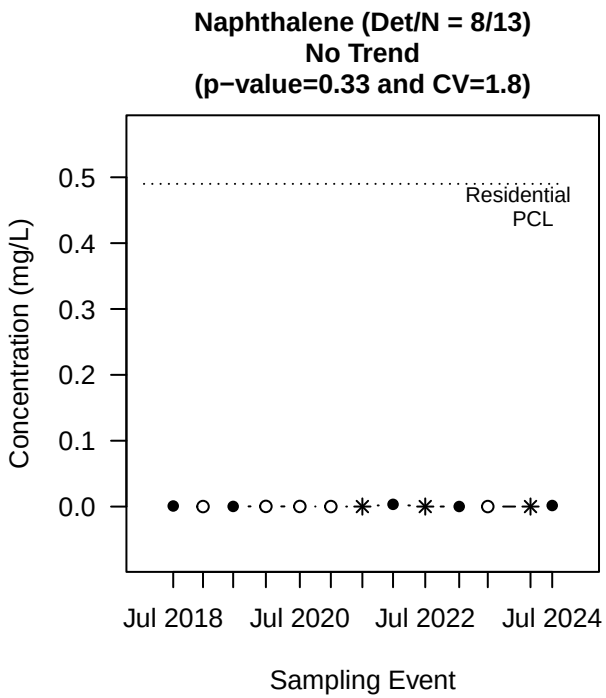
Mann−Kendall Trend Tests for MW−89B







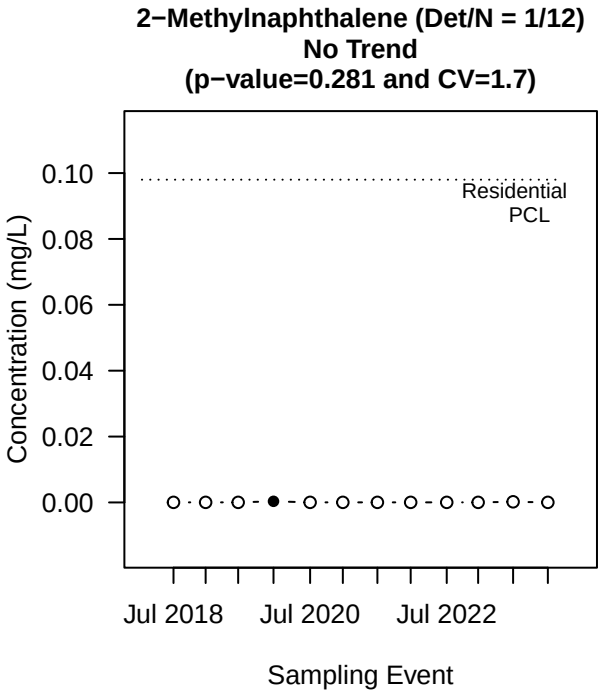


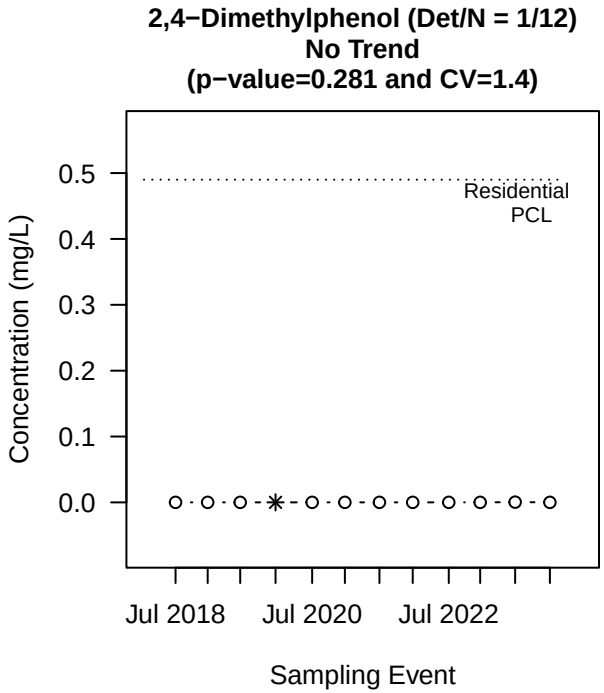


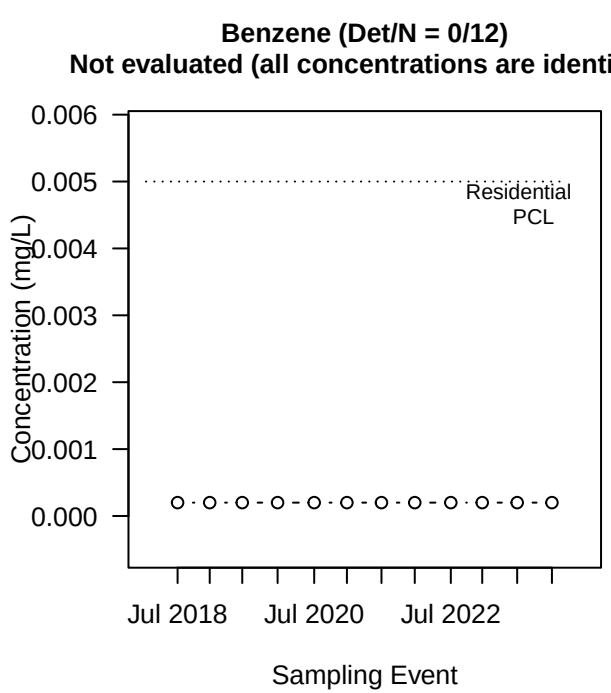
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

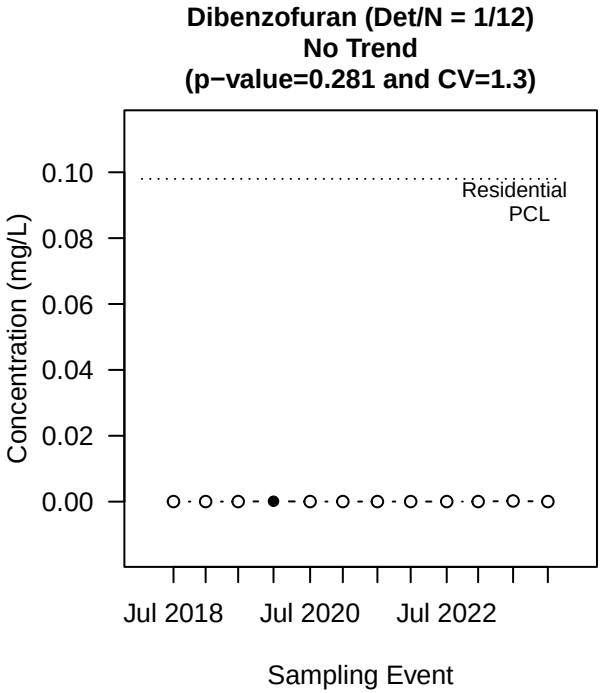
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

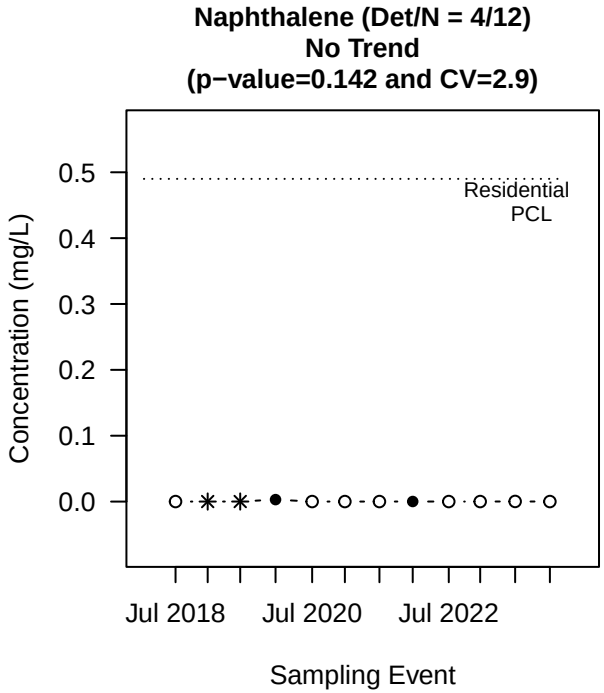
Mann−Kendall Trend Tests for MW−90B

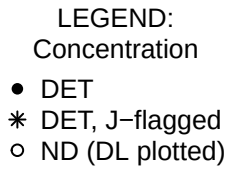






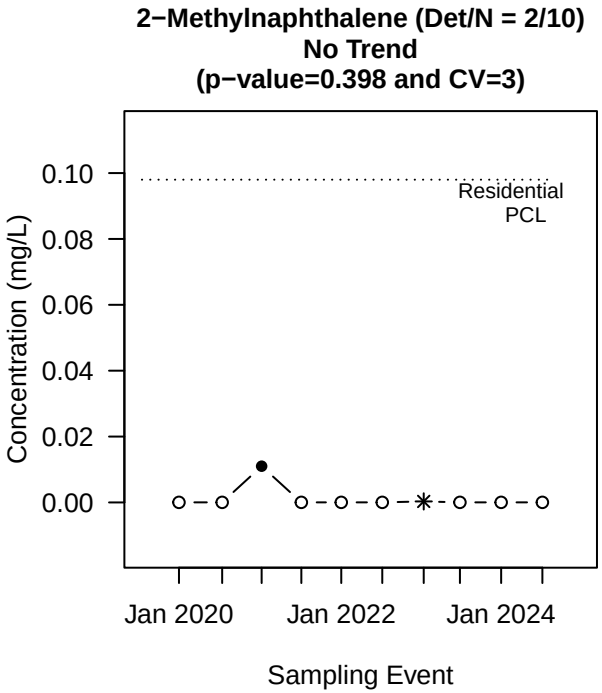


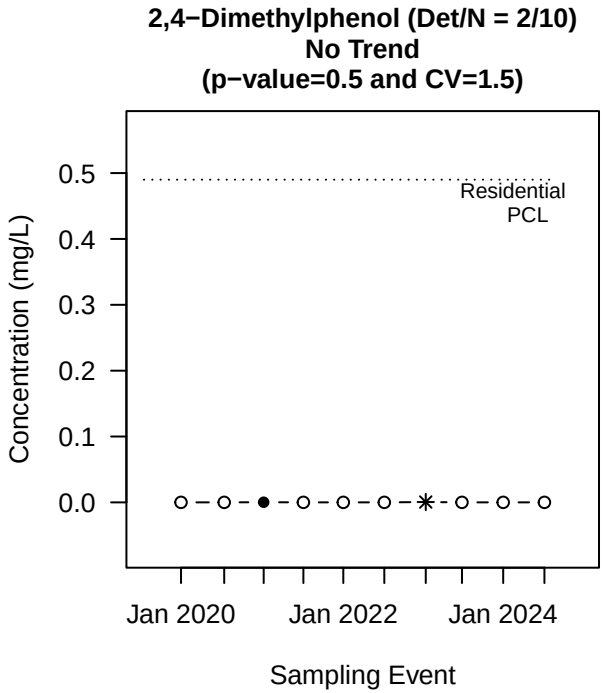


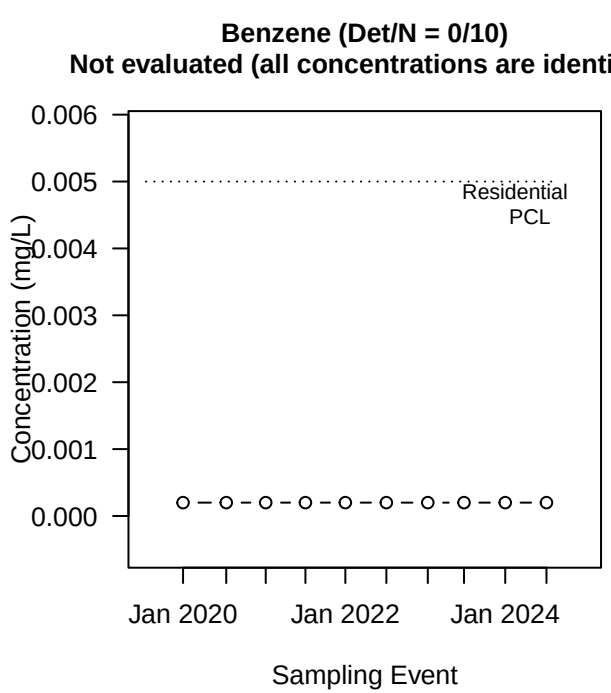


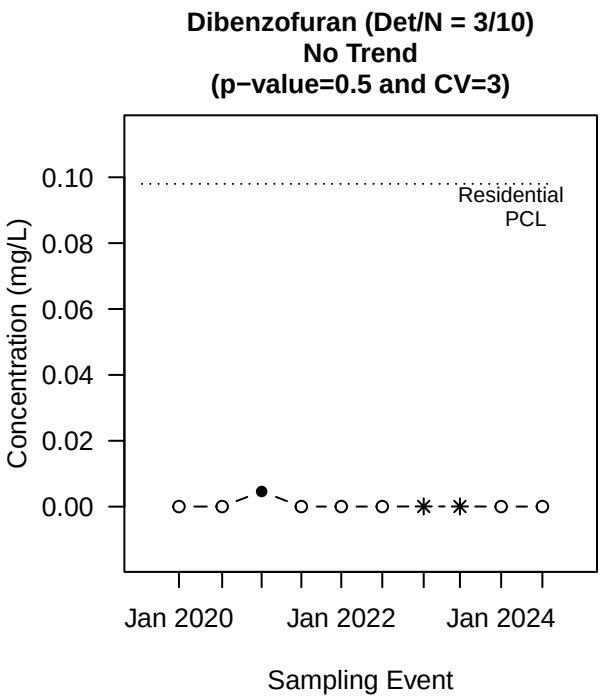
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

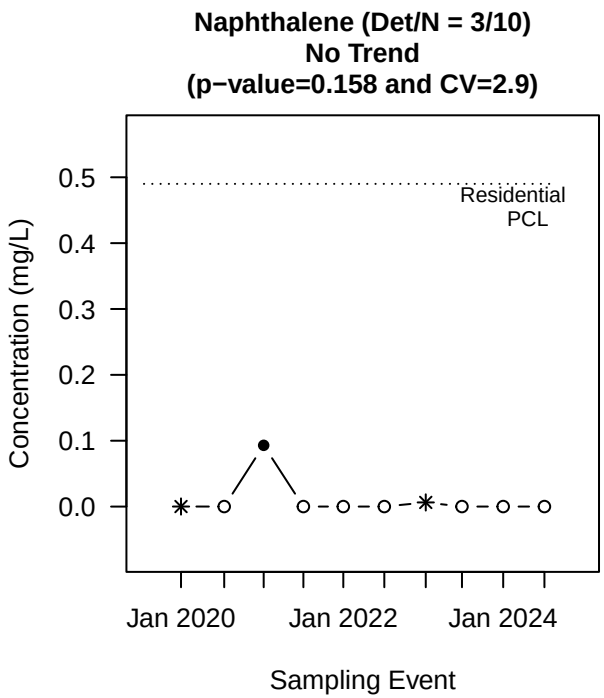
Mann−Kendall Trend Tests for MW−91A

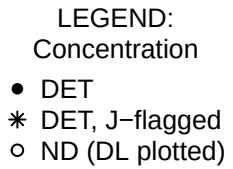






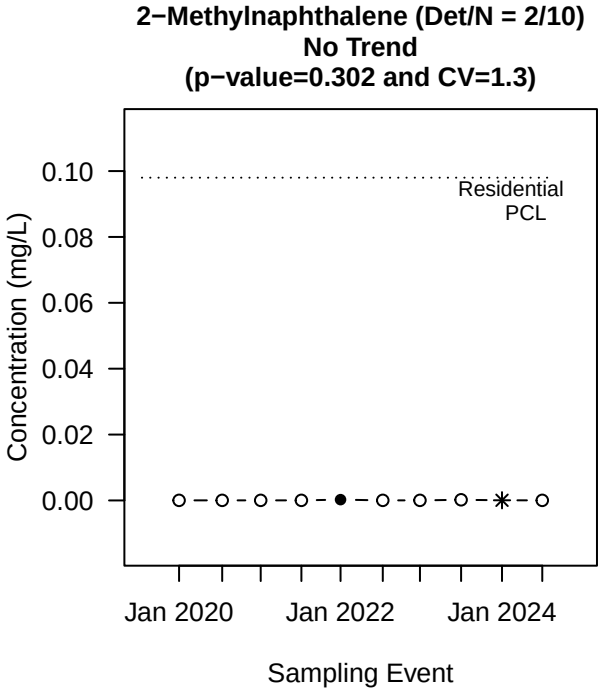


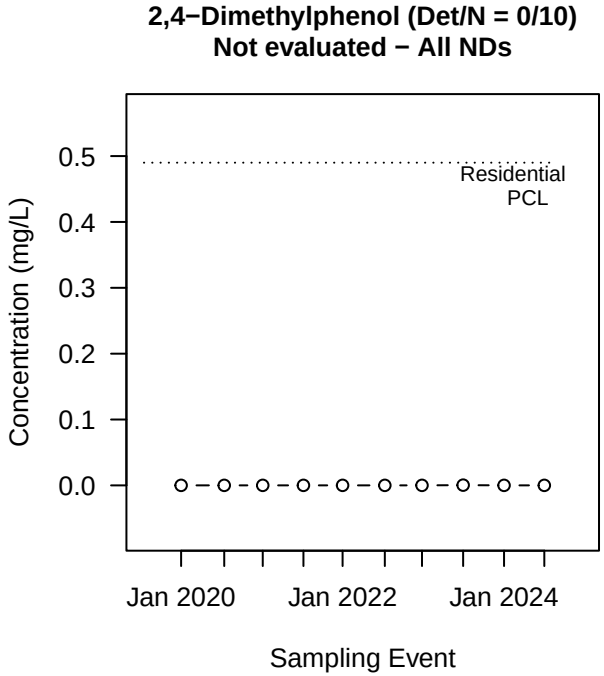


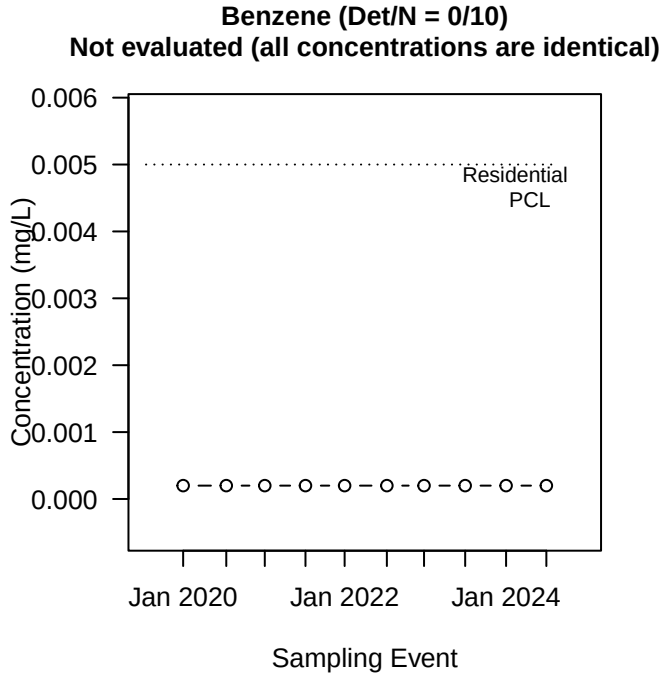


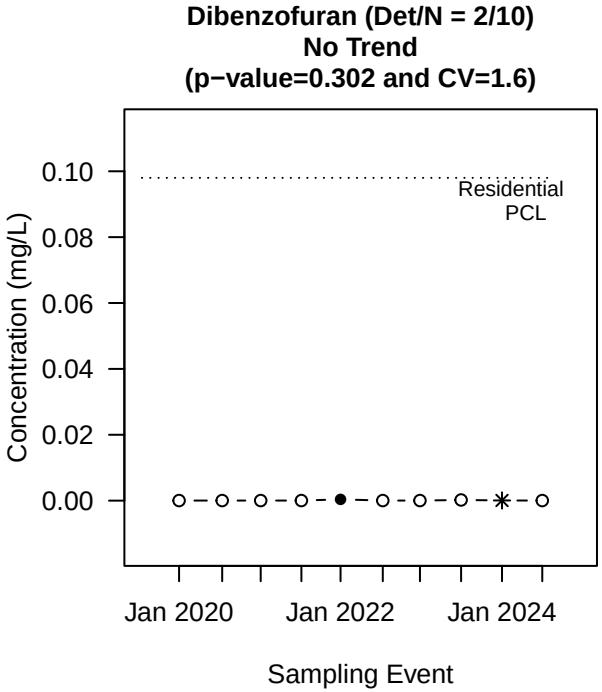
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

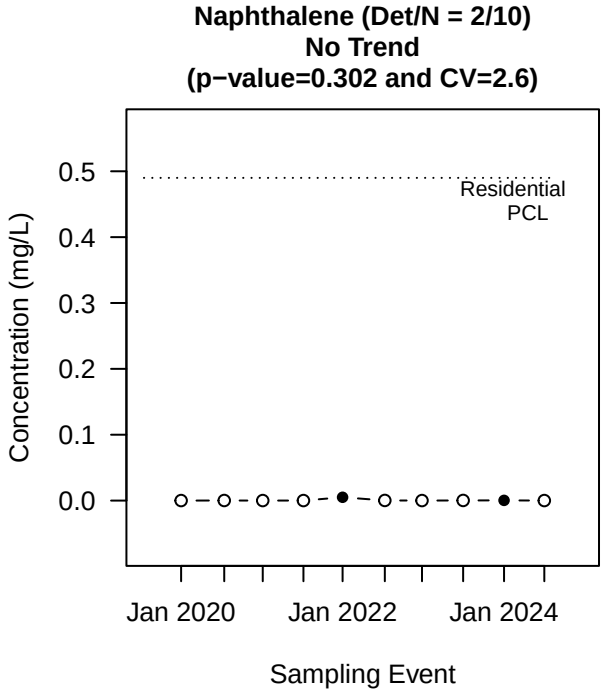
Mann−Kendall Trend Tests for MW−92B

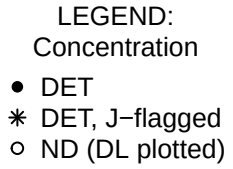








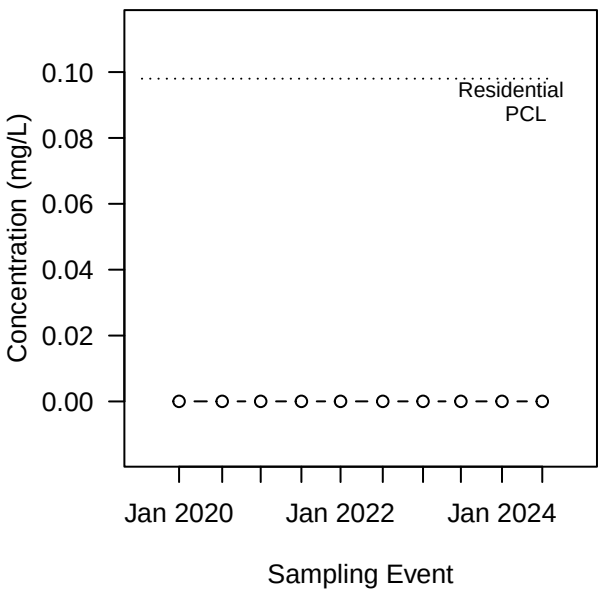




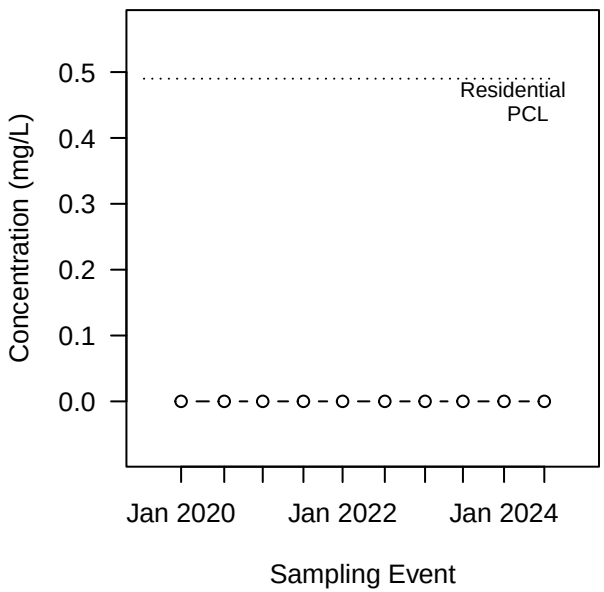
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−93B

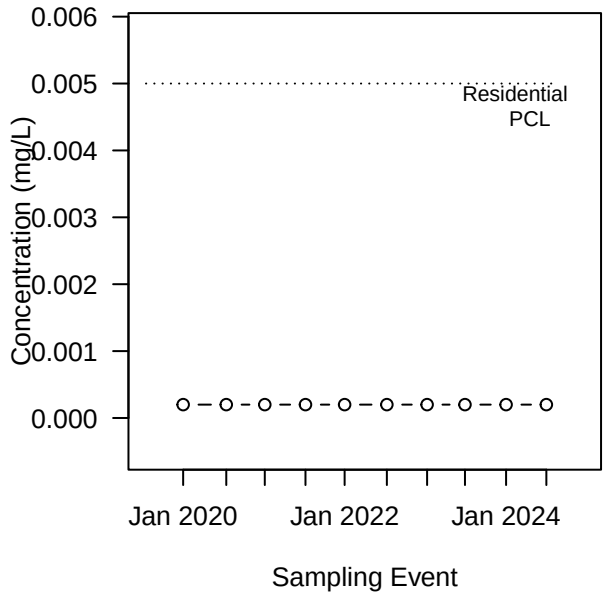
2−Methylnaphthalene (Det/N = 0/10)
Not evaluated (all concentrations are identical)



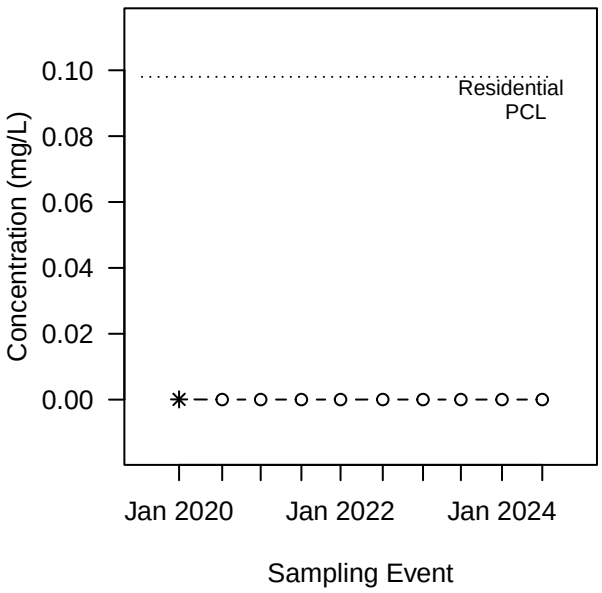
2,4−Dimethylphenol (Det/N = 0/10)
Not evaluated − All NDs



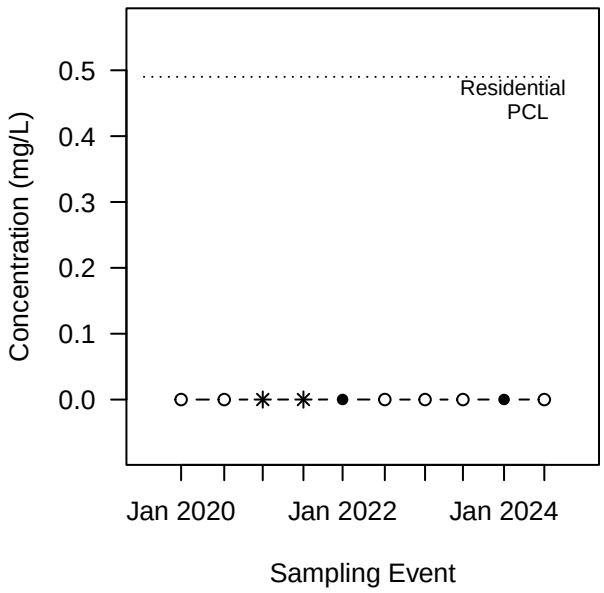
Benzene (Det/N = 0/10)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/10)
Probably Decreasing
(p−value=0.0819 and CV=0.61)



Naphthalene (Det/N = 4/10)
No Trend
(p−value=0.5 and CV=0.82)

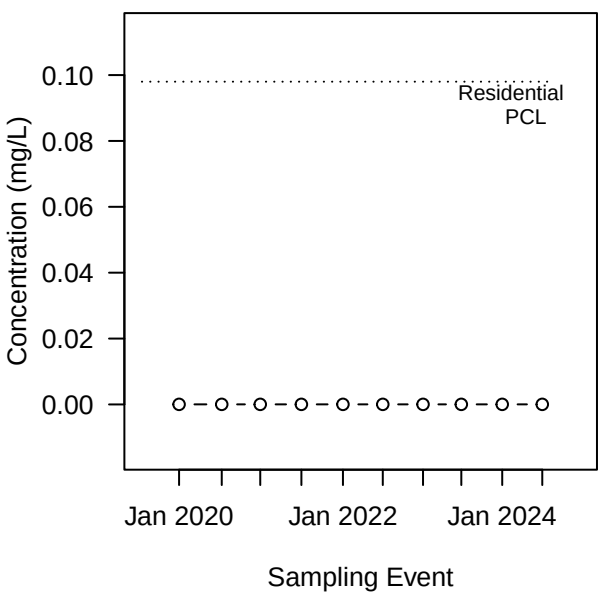


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

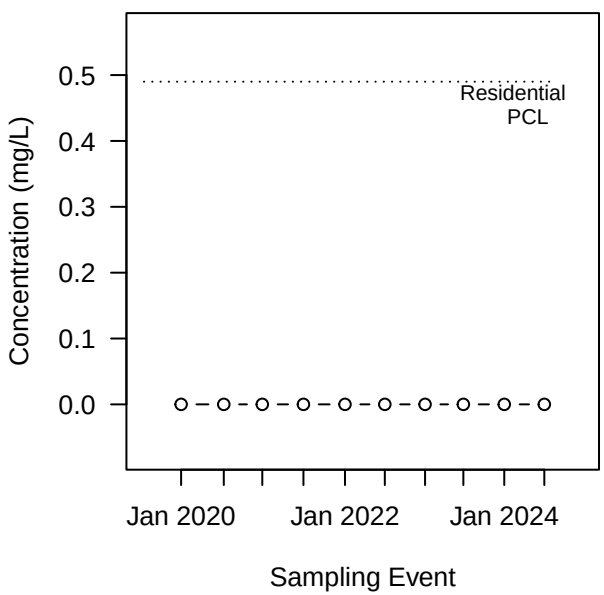
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−94A

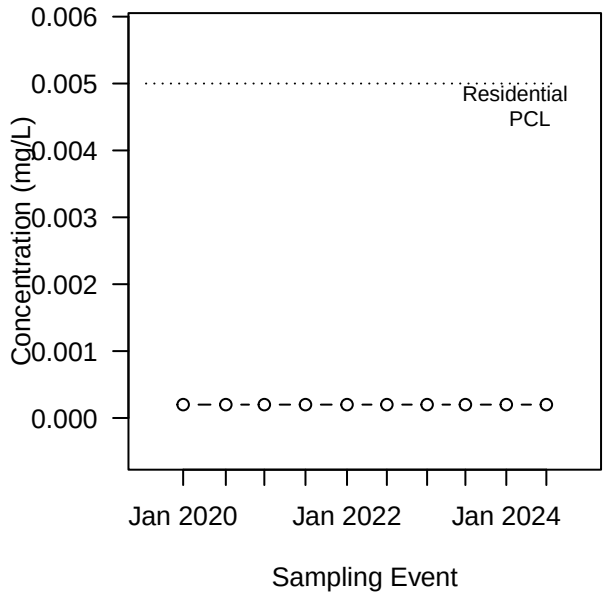
2−Methylnaphthalene (Det/N = 0/10)
Not evaluated − All NDs



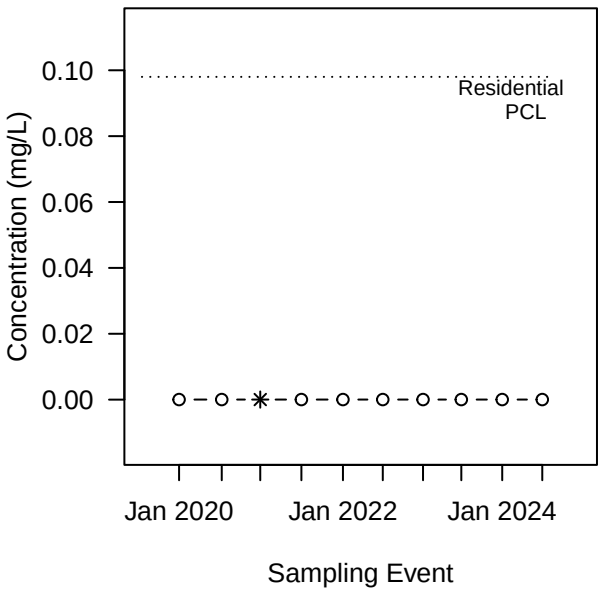
2,4−Dimethylphenol (Det/N = 0/10)
Not evaluated − All NDs



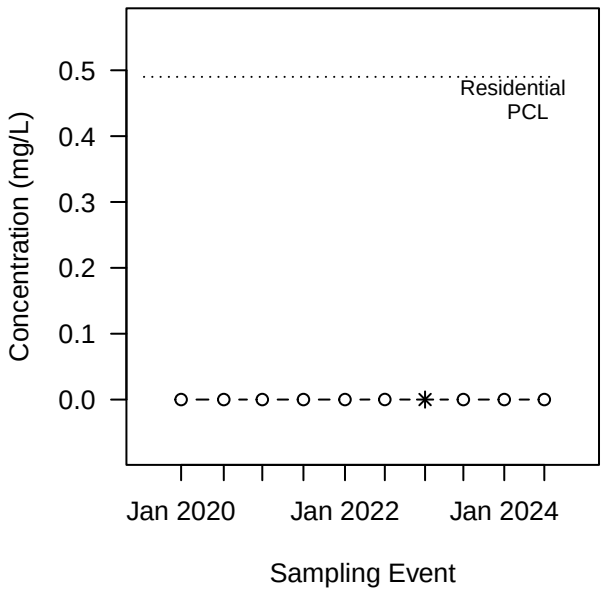
Benzene (Det/N = 0/10)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/10)
Stable
(p−value=0.243 and CV=0.021)



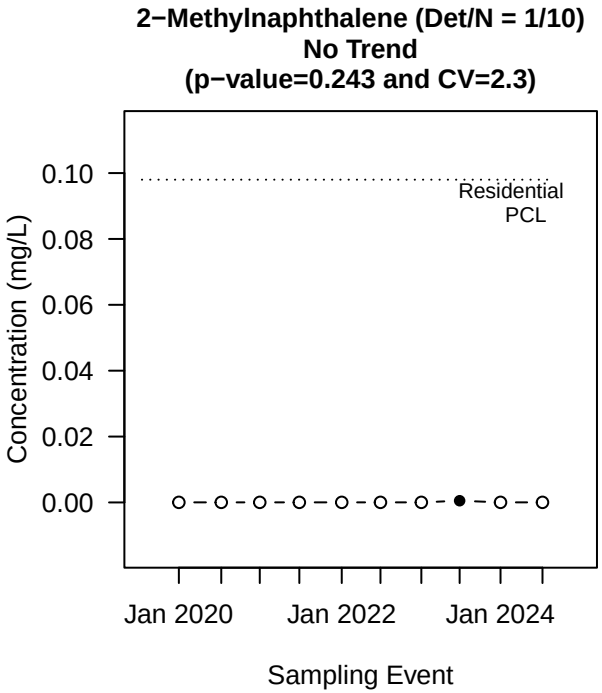
Naphthalene (Det/N = 1/10)
No Trend
(p−value=0.364 and CV=0.88)

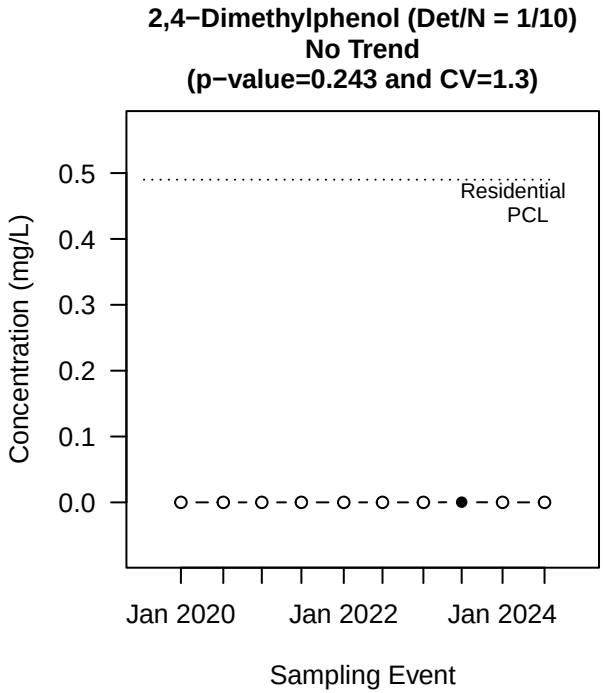


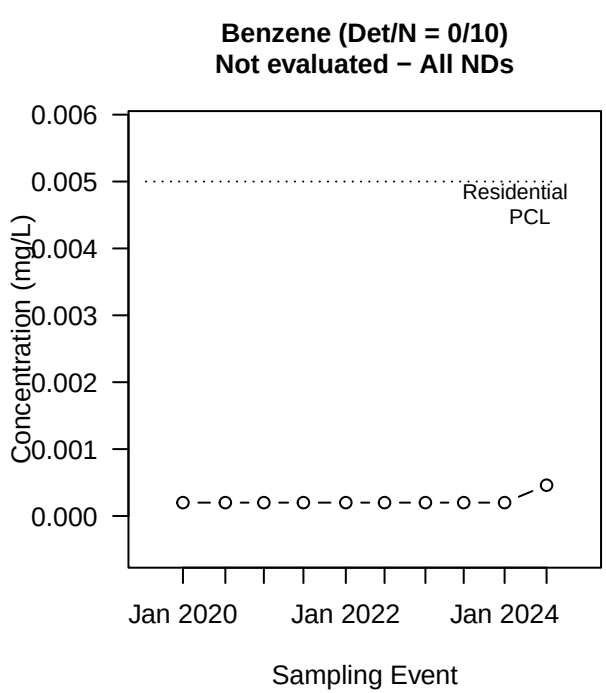
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

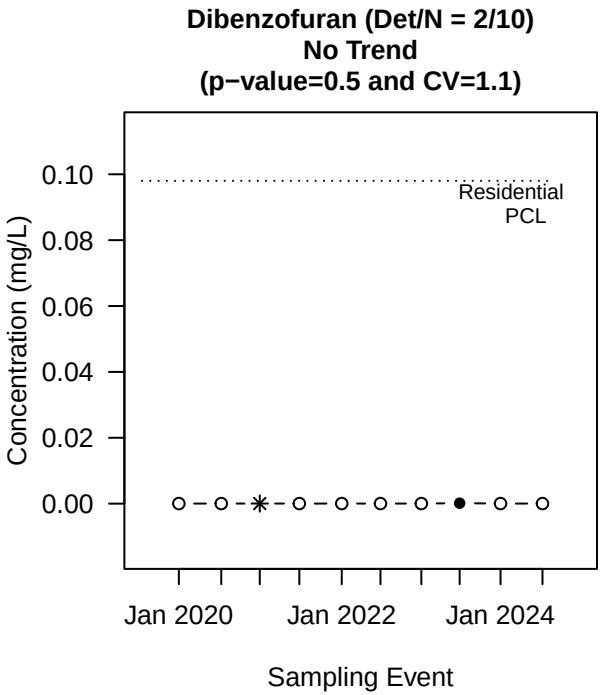
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

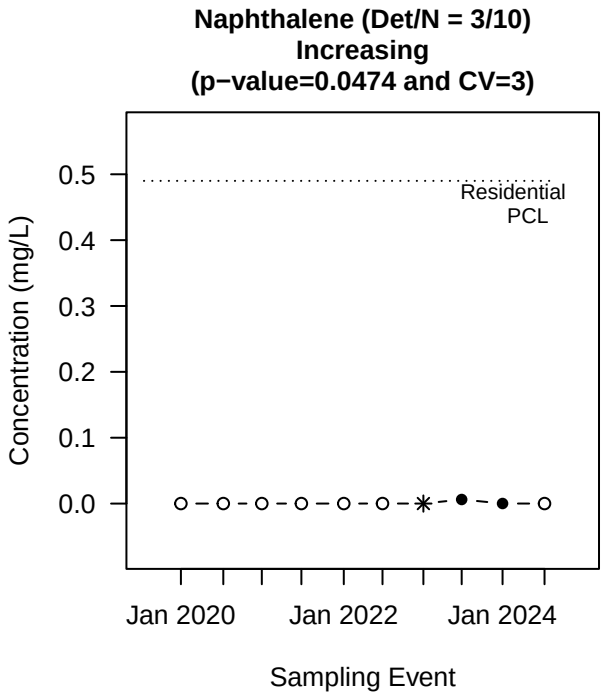
Mann−Kendall Trend Tests for MW−95A

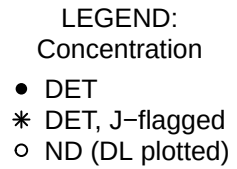






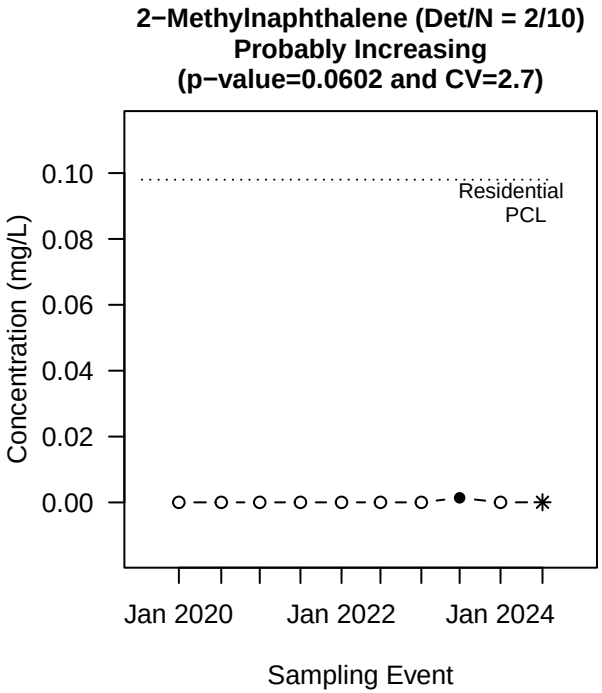


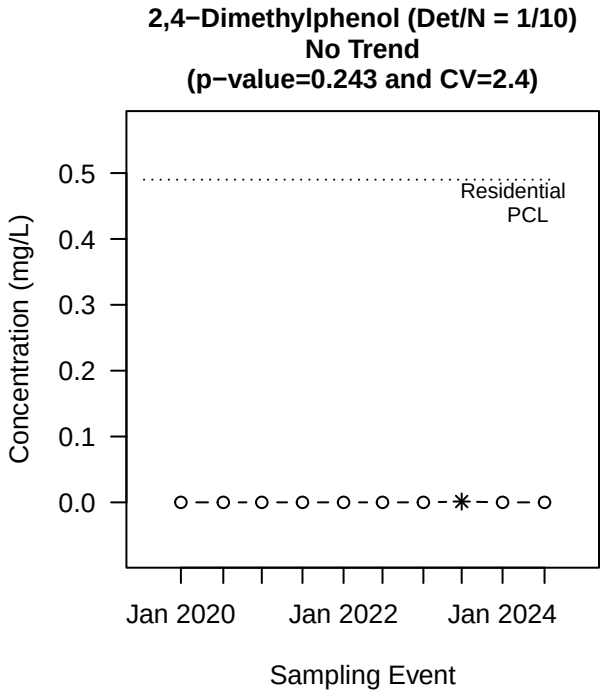


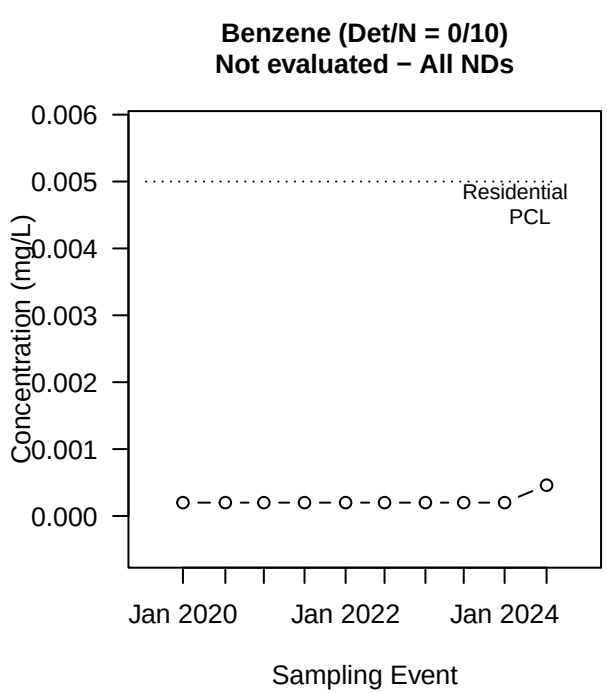


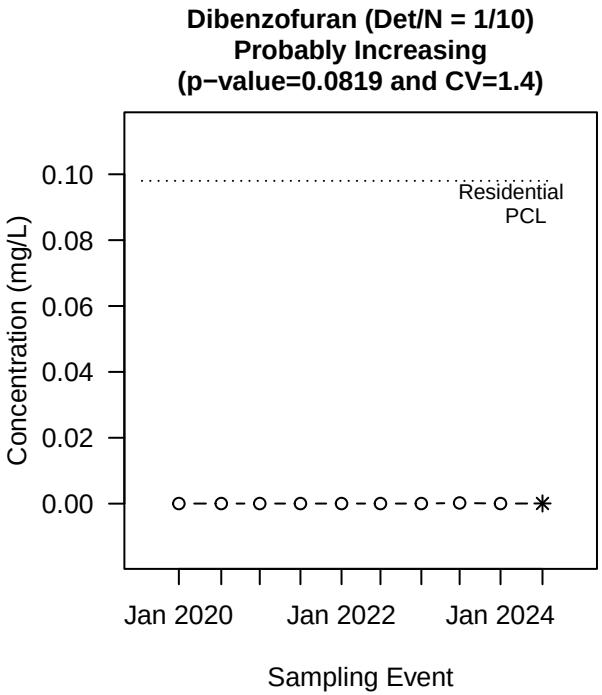
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

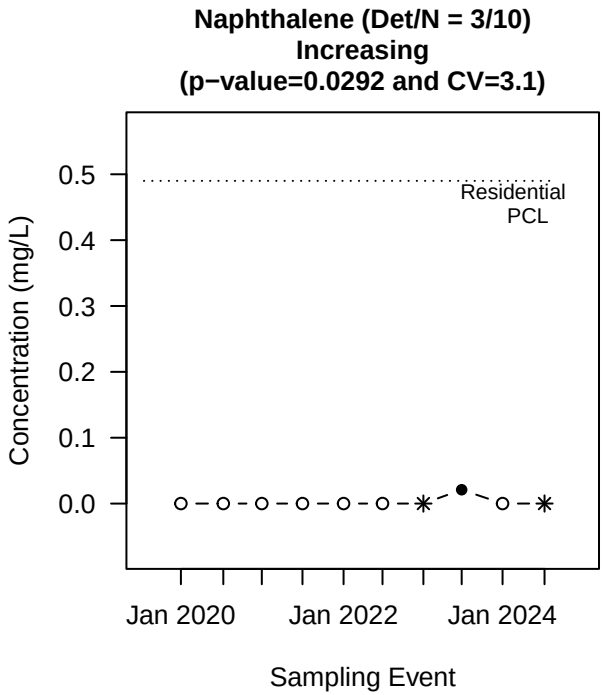
Mann−Kendall Trend Tests for MW−96B







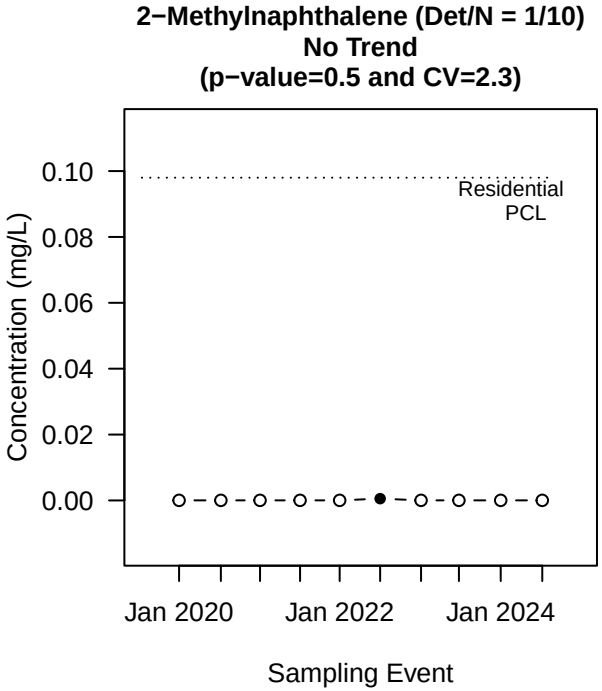


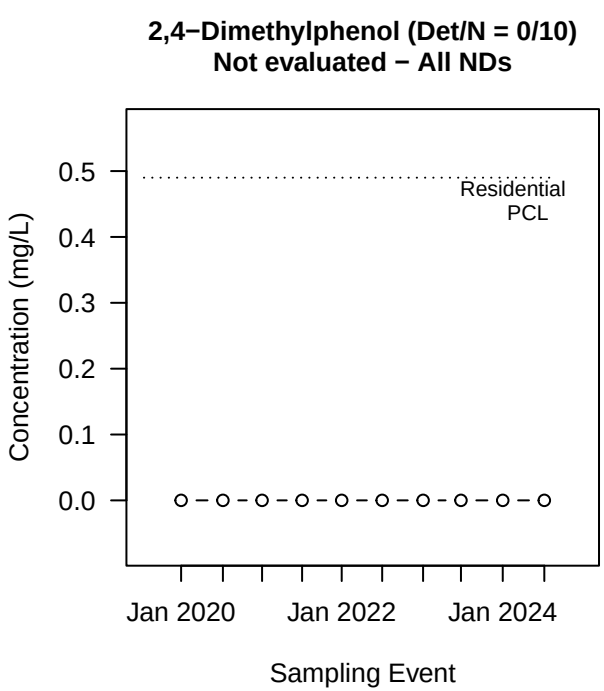


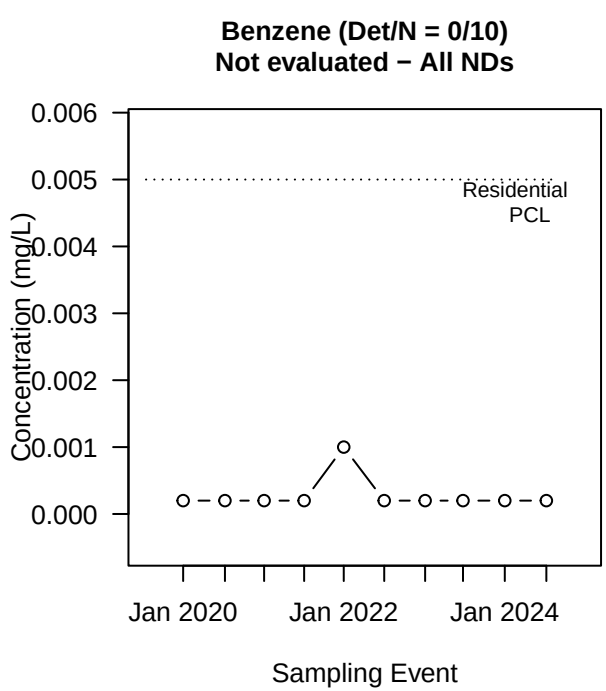
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

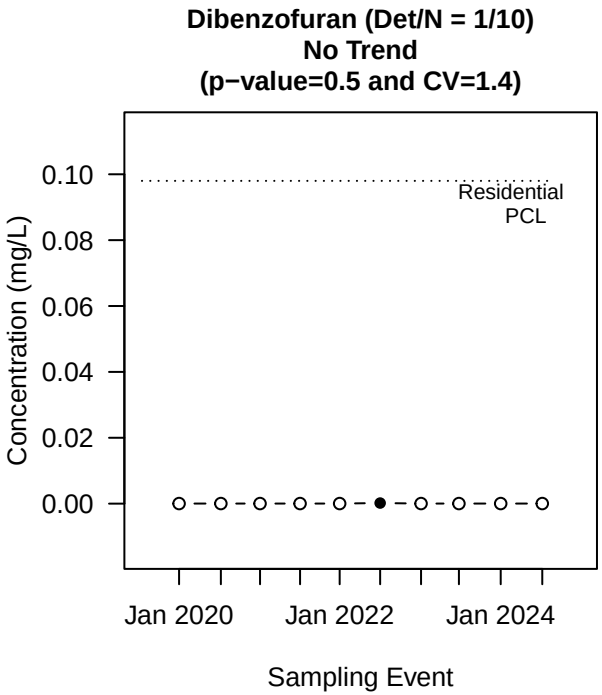
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

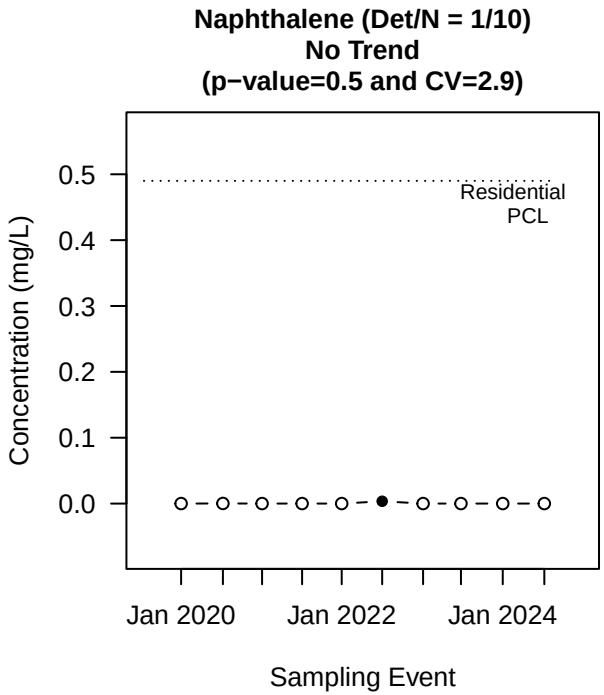
Mann−Kendall Trend Tests for MW−97A

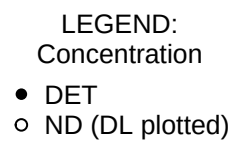








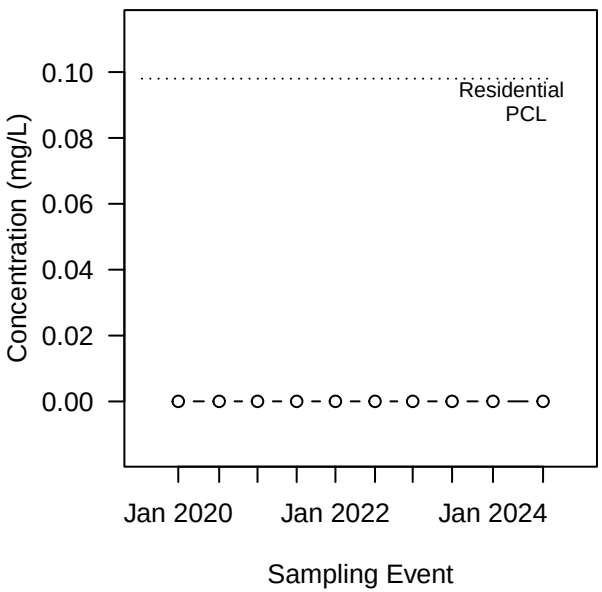




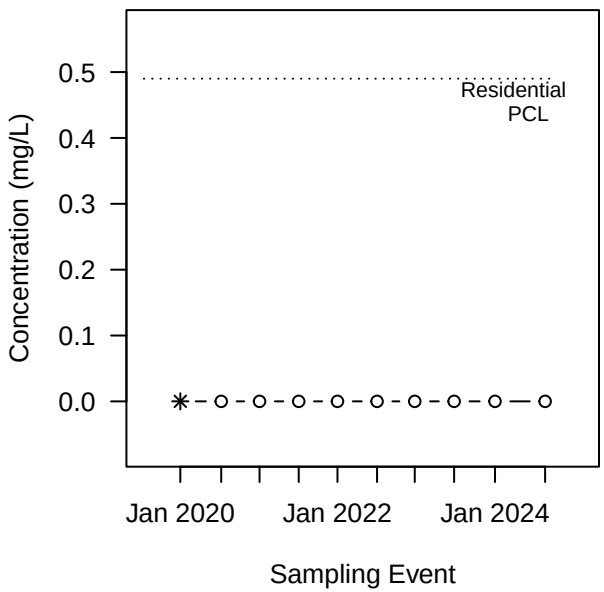
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−98A

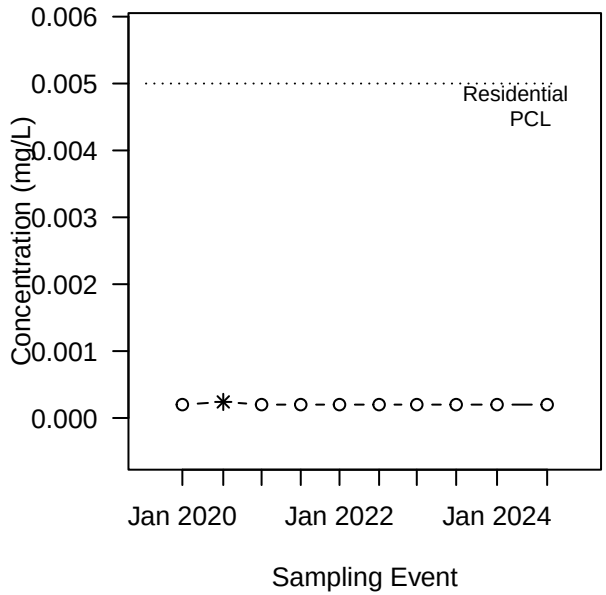
2−Methylnaphthalene (Det/N = 0/10)
Not evaluated (all concentrations are identical)



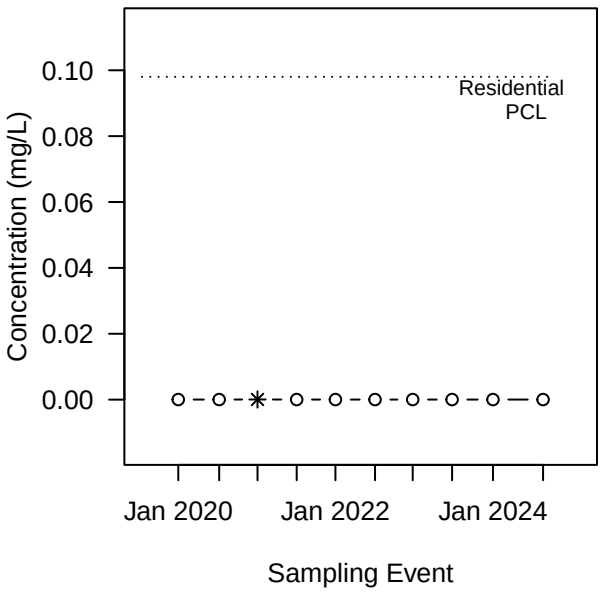
2,4−Dimethylphenol (Det/N = 1/10)
Probably Decreasing
(p−value=0.0819 and CV=0.27)



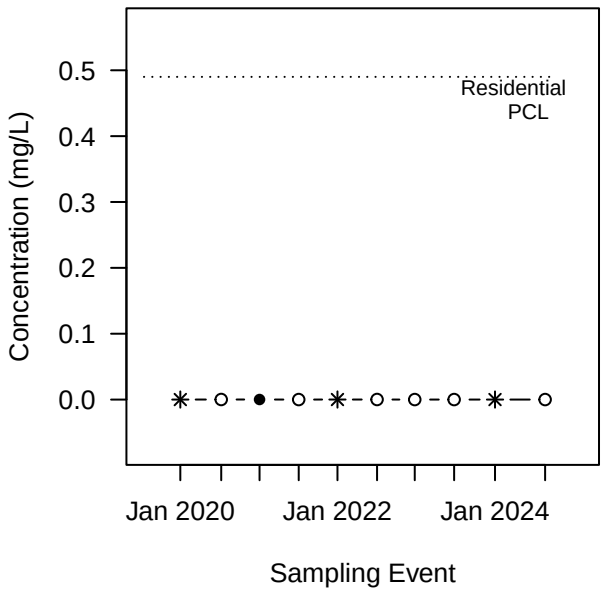
Benzene (Det/N = 1/10)
Stable
(p−value=0.148 and CV=0.062)



Dibenzofuran (Det/N = 1/10)
Stable
(p−value=0.243 and CV=0.36)



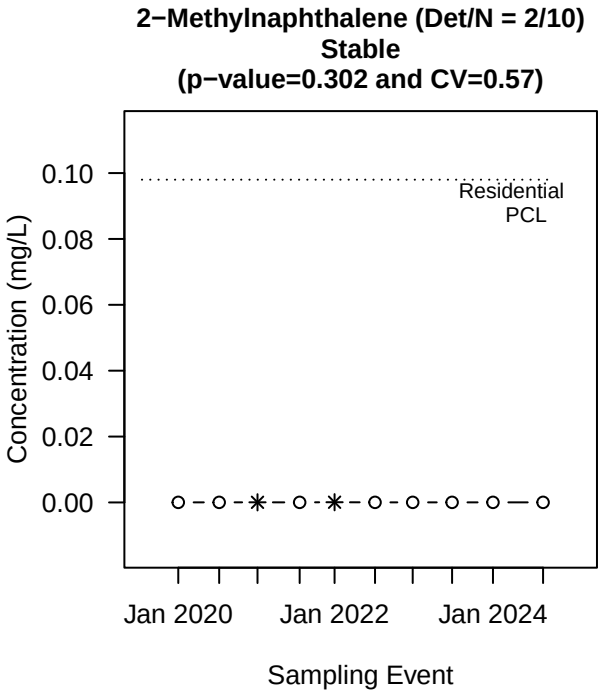
Naphthalene (Det/N = 4/10)
Stable
(p−value=0.238 and CV=0.67)

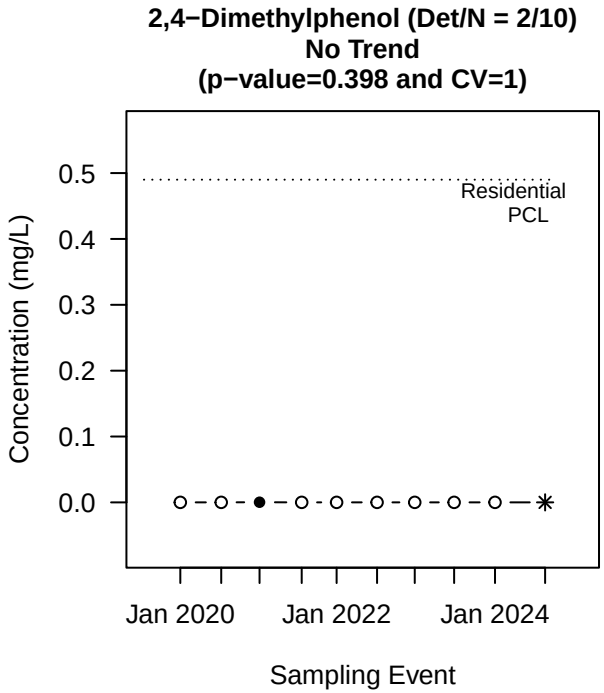


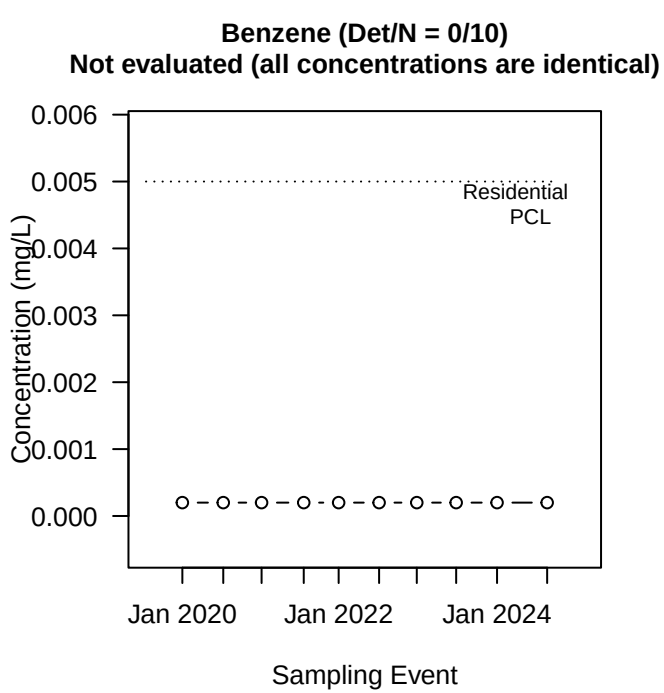
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

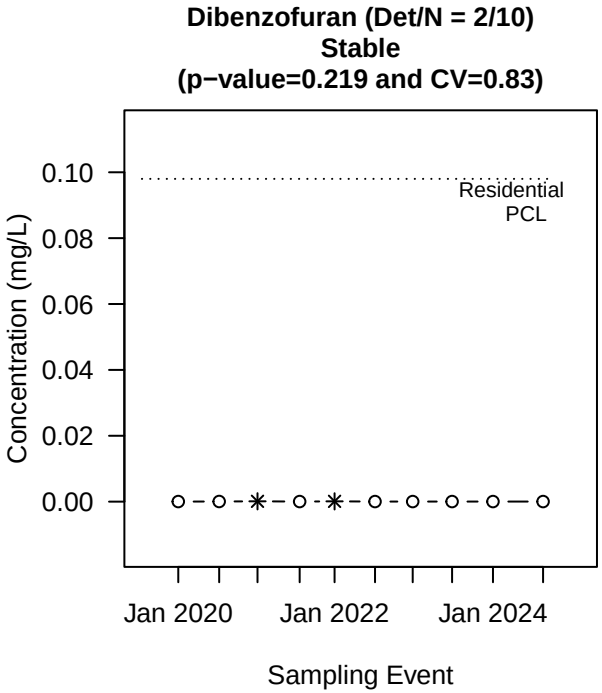
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

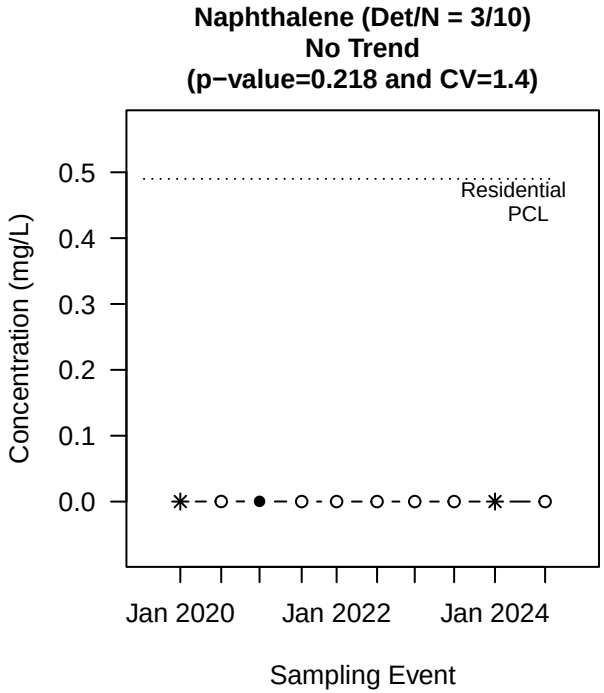
Mann−Kendall Trend Tests for MW−98B

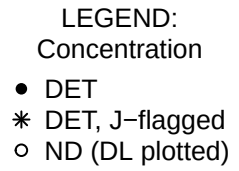






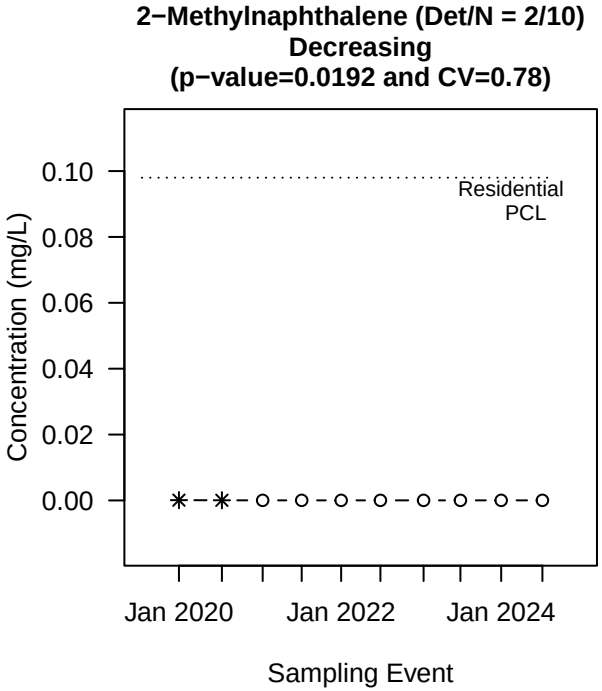


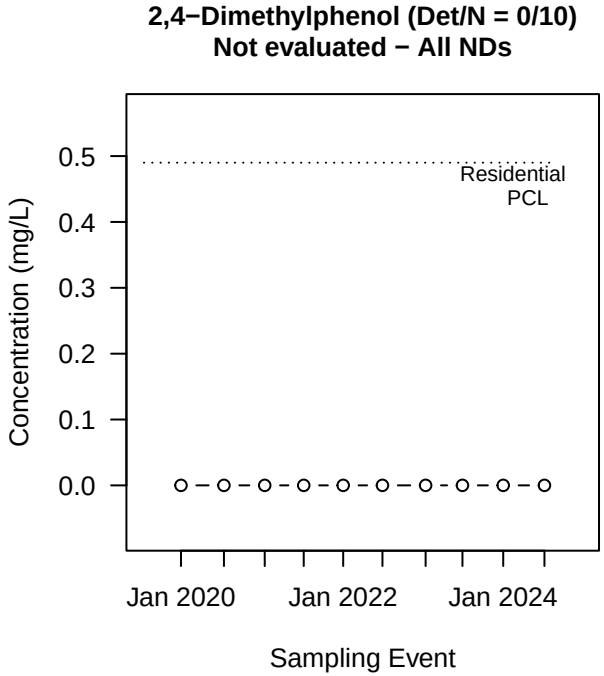


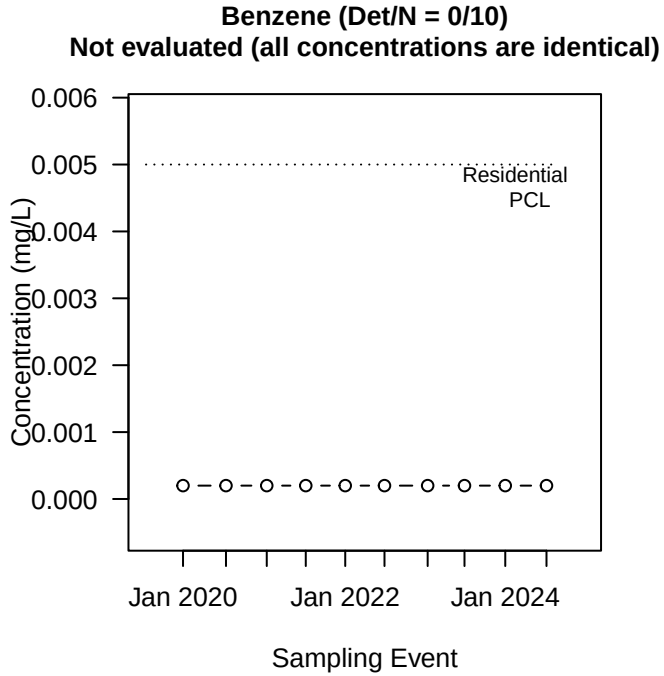


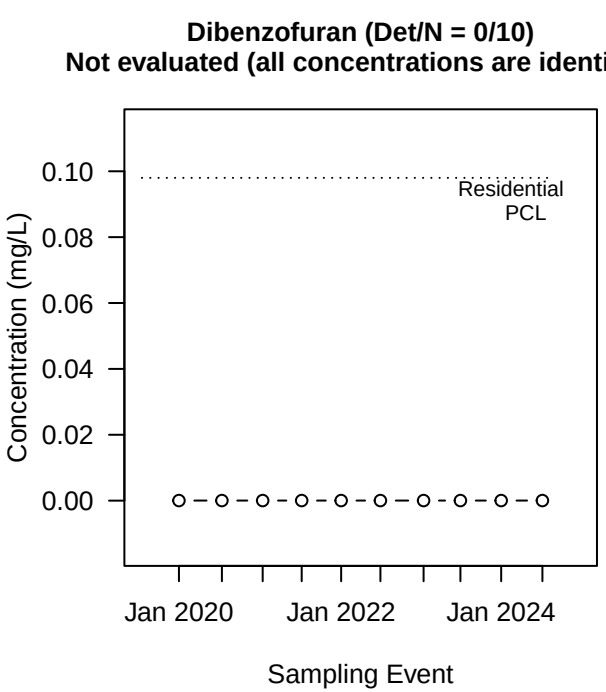
NOTE: A p−value<0.05 indicates a statistically significant trend.
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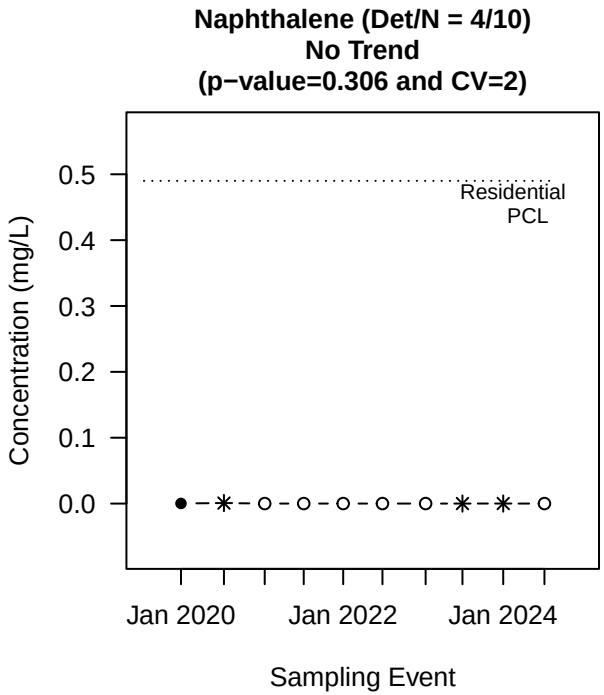
Mann−Kendall Trend Tests for MW−99C

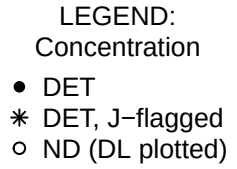






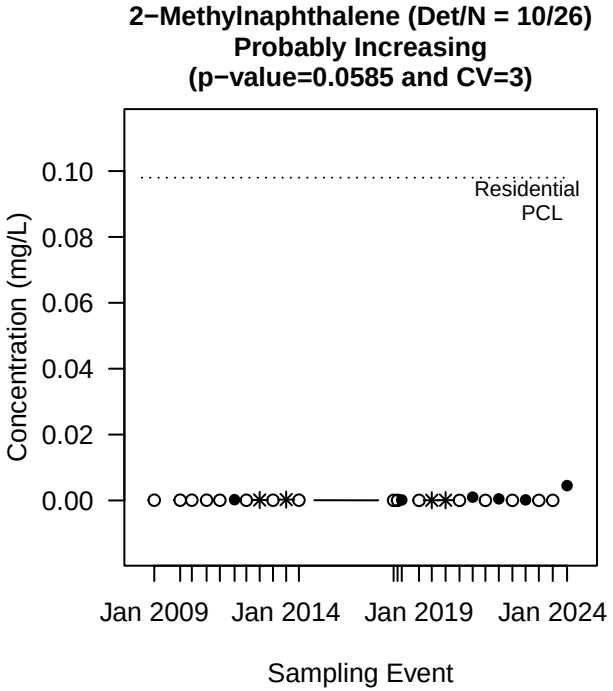


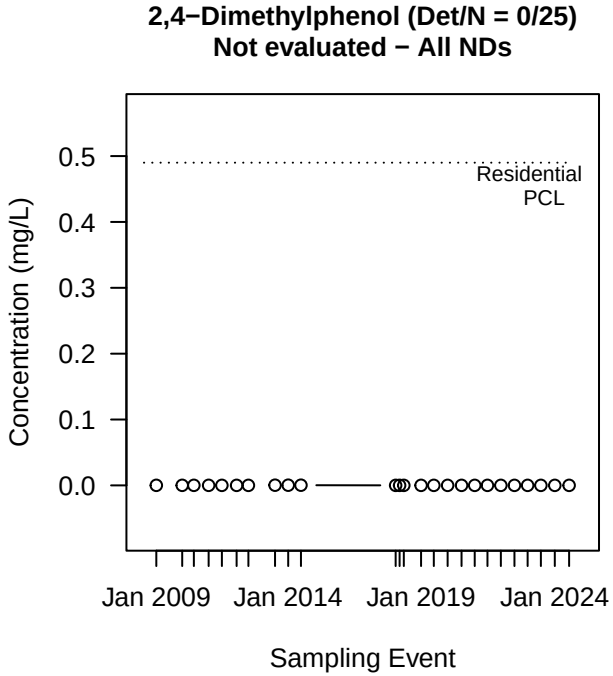


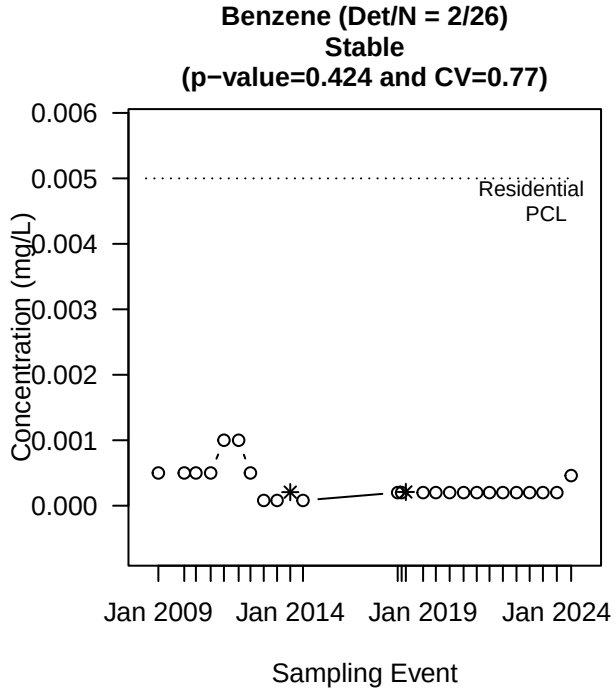


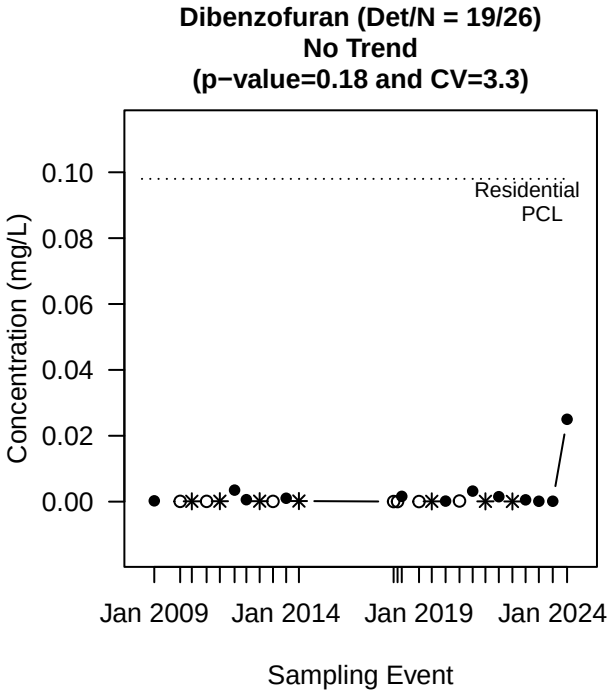
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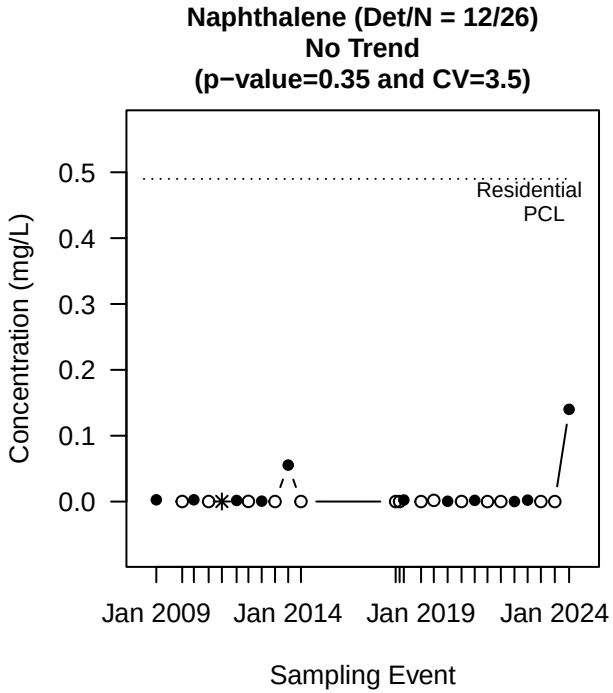
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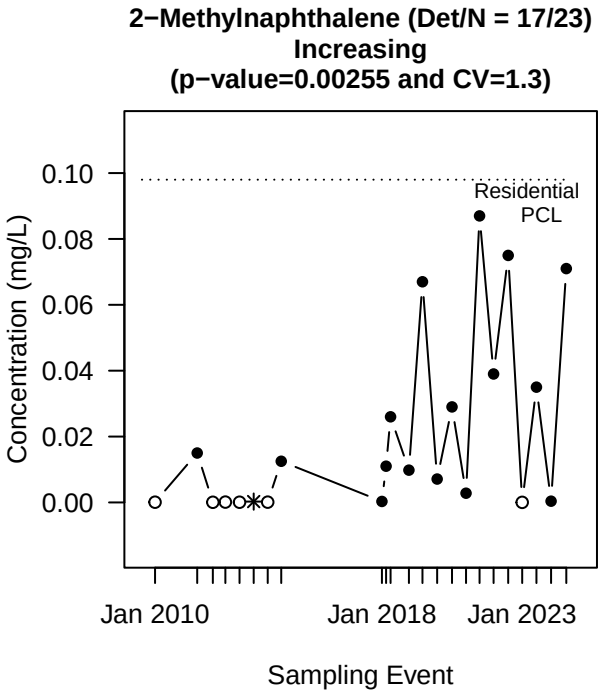


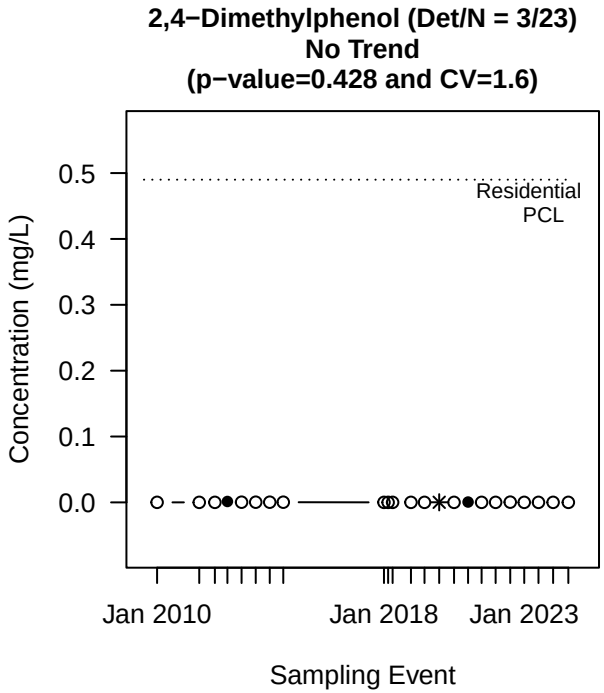


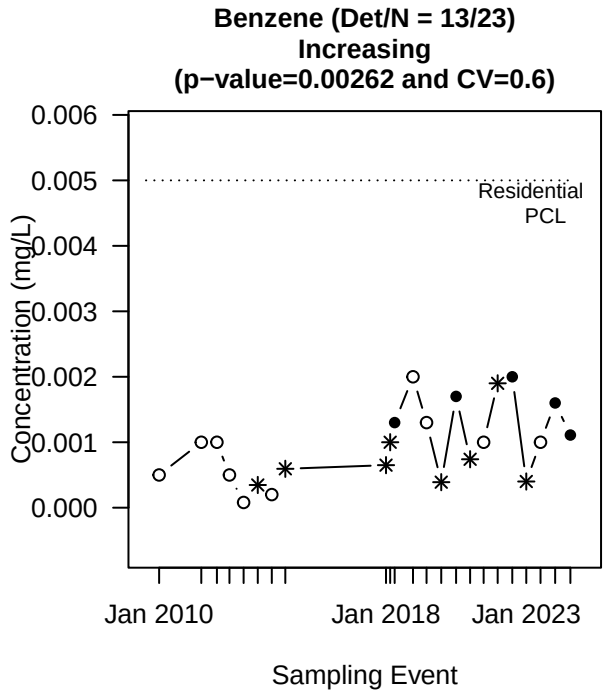
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

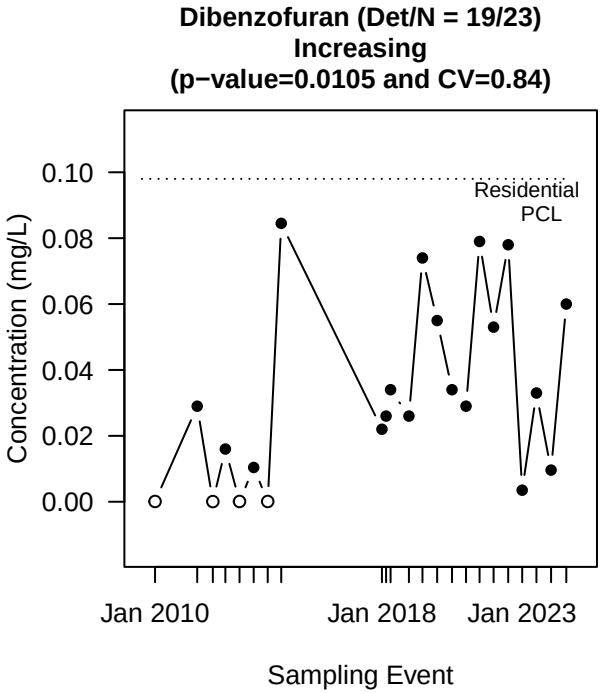
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

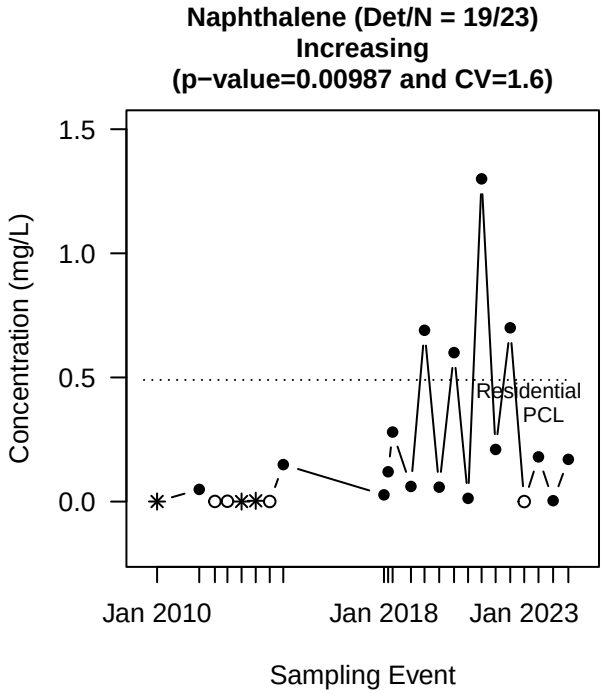
Mann−Kendall Trend Tests for TW−41B

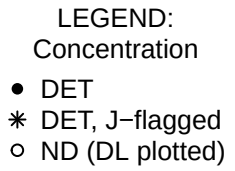












NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

ATTACHMENT D

Groundwater Plume Analytics Technical Memo

TECHNICAL MEMORANDUM

GROUNDWATER PLUME ANALYTICS SERVICES®

Union Pacific Railroad Houston Wood Preserving Works Facility

4910 Liberty Road, Houston, Texas

Submitted to:

Union Pacific Railroad Company

4823 N 119th Street

Milwaukee, WI 53225

Submitted by:

WSP USA Inc.

8700 Trail Lake Drive West

Suite 101

Memphis, TN 38125

January 2025

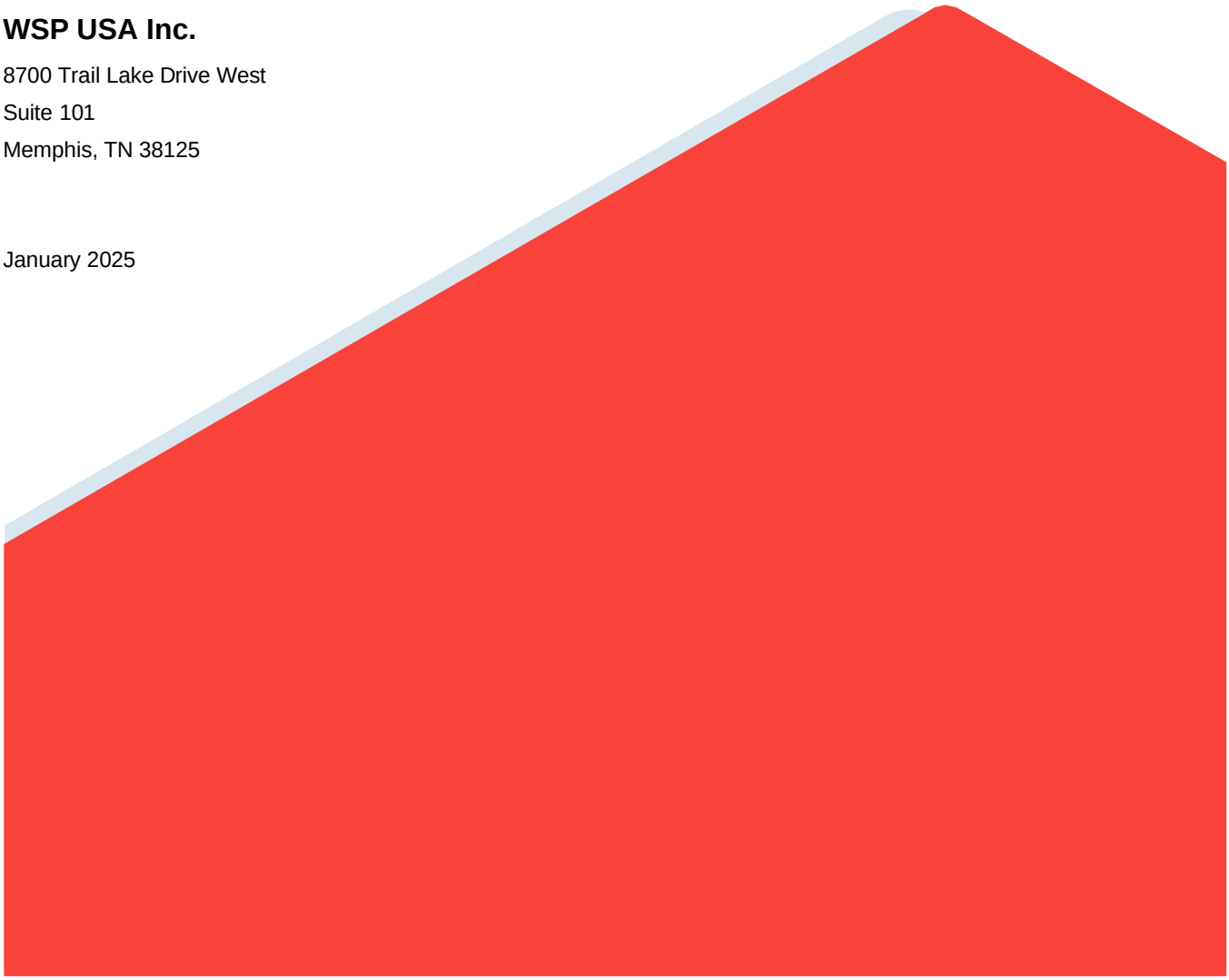


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Groundwater Plume Analytics® Services
Technical Memorandum

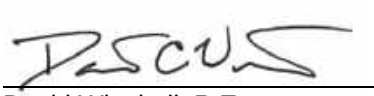
Prepared For:
Union Pacific Railroad Company
4823 N 119th Street
Milwaukee, WI 53225

Prepared By:
WSP USA Inc.
8700 Trail Lake Drive
Memphis, Tennessee 38125

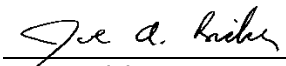
WSP USA Inc. (WSP) is pleased to submit this Groundwater Plume Analytics® Services Technical Memorandum to Union Pacific Railroad Company (UPRR) for Houston Wood Preserving Works Facility located in Houston, TX. This Technical Memorandum has been prepared for the exclusive use of and reliance by UPRR and may not be relied upon by any other person or entity without the express written authorization of WSP.

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Signed:



David Winchell, P.E.
Senior Technical Principal



Joe A. Ricker, P.E.
Senior Technical Principal, TX P.E. No. 95135

Date: January 29, 2025

1.0 INTRODUCTION AND PURPOSE

WSP has prepared this report for Union Pacific Railroad (UPRR) to document the results of the Groundwater Plume Analytics® Services project conducted for the UPRR Houston Wood Preserving Works Facility (The Site) located at 4910 Liberty Road, Houston, Texas. WSP performed the plume analytics described herein to help provide UPRR with a baseline understanding of the stability of various volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) plumes at the Site. The Groundwater Plume Analytics® Services results are presented graphically in the interactive PowerPoint presentation entitled *UPRR Houston Wood Presentation 2024.pptx*, which is included as ***Appendix A***. Reference is made in this document to the interactive PowerPoint presentation in which results and summaries can be accessed through a series of menu screens when viewed in "presentation" mode.

WSP performed this plume analytics evaluation using groundwater analytical data and groundwater elevation data collected from 1984 to 2024 for the three hydrogeologic zones that are monitored at the site (A-Transmissive Zone (A-TZ), B-Cohesive Zone (B-CZ)/B-Transmissive Zone (B-TZ) and C-Transmissive Zone (C-TZ) groundwater bearing units). This evaluation included a Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis (US Pat. No. 10,400,583) for each of the following constituents in the A-TZ, B-CZ/B-TZ, and C-TZ groundwater bearing units:

- 2,4-Dimethylphenol (SVOC)
- 2-Methylnaphthalene (SVOC)
- Benzene (VOC)
- Dibenzofuran (SVOC)
- Naphthalene (SVOC)

The complete analyses including graphical displays for each of the above constituents and groundwater elevation data are provided in ***Appendix A***.

2.0 GROUNDWATER PLUME ANALYTICS® METHODOLOGY

This section presents the methodologies of the elements of the Groundwater Plume Analytics® services.

2.1 Ricker Method® Plume Stability Analysis

WSP performed the Ricker Method® plume stability analysis using procedures described in *A Practical Method to Evaluate Ground Water Contaminant Plume Stability* (Ricker, 2008). The Ricker Method® plume stability analysis compares relative changes in contaminant plume characteristics over time, including area, average concentration, and mass indicator. The term "mass indicator" does not necessarily represent the entire mass in the subsurface but rather an expression of it based on a fixed assumption of aquifer thickness and porosity to serve as a meaningful way of combining plume area and average concentration into one metric. Calculation of the actual constituent subsurface mass is often a very complicated exercise, and typically more data/inputs are needed than are incorporated in this analysis. Because the plume mass value is not necessarily an indication of actual contaminant mass, the term "mass indicator" is used to describe this plume characteristic. Since the main purpose of the plume stability analysis is to observe relative changes in plume characteristics between sampling events, applying constants (i.e., porosity and aquifer thickness) to the mass calculation has no bearing on the usefulness of the output of the analysis (i.e., relative rate of change in plume mass).

To demonstrate that a plume is decreasing or stable, temporal changes in the calculated values of area, average concentration, and mass indicator should result in an overall decreasing or stable trend. An increasing trend in any of these values may indicate that the plume is not stable and/or is possibly expanding. Further details concerning trend analysis and determination of a trend conclusion are provided in ***Section 2.1.3 Statistical Methodology***.

2.1.1 Data Assessment and Input File Development

Data used in the Ricker Method® plume stability analysis for the constituents listed above are tabulated in ***Appendix B***. Groundwater analytical data were provided from 1984 through 2024. Analytical data was consolidated into semi-annual events where the maximum value (or lowest non-detect limit, if all non-detect) during the semi-annual period (per well and constituent) was retained for the analysis. Not all wells were sampled during each semi-annual period, and data gaps were filled by interpolating between sample events with actual results. Other scientific and/or statistical assumptions and adjustments to the data, consistent with the Ricker Method®, were necessary to complete the analysis. These adjustments are identified in the Ricker Method® input data set summarized in ***Appendix B***. The assumptions and adjustments used in the analysis include the following:

- Monitoring wells in which 100 percent of the data collected were non-detect for a particular constituent were assumed always to be non-detect for that constituent for sampling events in which no analytical data were reported.
- In most cases non-detect concentrations were evaluated with an assigned concentration value of the stated detection limit or, in some cases, a fraction of the detection limit (e.g., wells located far from known impacted areas). Also, in cases where non-detect concentrations with elevated detection limits were encountered, professional judgment was used. A consistent algorithm for evaluating elevated detection limits is provided in ***Appendix C***. For every case in which a sample was collected the assigned value was based on actual results (detectable value or non-detect at a lower detection limit). Assigned values for non-detect concentrations are noted in ***Appendix B***.
- For sampling events in which a monitoring well was not sampled, but prior and subsequent analytical data were available, the events were assigned values by interpolating between the closest prior and subsequent sampling event. Instances where these values are assigned are indicated by orange shading in ***Appendix B*****.**

Some monitoring wells had historical data collected but were not sampled in recent years. When this occurs, we term these wells “hanging wells”, and they are denoted by orange colored well symbols in the plume map videos in ***Appendix A*****.** In these videos, wells with black symbols signify actual or interpolated data. Once a well becomes “hanging” (i.e., no longer sampled), the well symbol turns orange signaling that empirical data are no longer available for that well location. This allows the viewer to observe where historical data were collected and where potential data gaps may exist. In some instances, hanging wells were extrapolated forward to fill data gaps in the analysis. If the assigned value is below the base contour, the orange hanging well symbol will be overlain with a blue, control point dot. This is done to allow the viewer to see in the plume map videos where these assumptions were made.

During development of the input data set, some apparently anomalous results were observed for wells in the B-CZ/B-TZ and C-TZ groundwater bearing units. For example, naphthalene was detected at a value of 1,200,000 µg/l in MW-49B in January 2020. MW-49B has been sampled 17 times since 2009 and excluding the anomalous January 2020 result, the average concentration of the remaining 16 events is 4,712 µg/l and the maximum concentration is 15,000 µg/l. Since the solubility limit of naphthalene is approximately 31,600 µg/l, it is highly improbable that the January 2020 result of 1,200,000 µg/l is representative of dissolved naphthalene in groundwater. This phenomenon (anomalously high values) was also observed for 2-methylnaphthalene and dibenzofuran in limited wells and sample events. It is

noted that this phenomenon was only observed in wells that periodically exhibit DNAPL accumulation, and it is possible that DNAPL may have been entrained in the groundwater samples.

The analysis was initially conducted using the reported values that appeared anomalous. This resulted in biased plume trends and metrics that appeared to be outliers for the events that included the anomalous values. For the final analysis shown in ***Appendix A***, rather than performing statistical outlier tests, the anomalous values were handled as follows.

In the B-CZ/B-TZ unit, all values for naphthalene and 2-methylnaphthalene were screened against the solubility limits for these constituents. If the laboratory reported value was above the solubility limit (31,600 µg/l and 25,000 µg/l, respectively) then a replacement value was assigned in the same manner as elevated detection limits. Since dibenzofuran is purported to be insoluble or have very low solubility, an assumed screening level of 9,800 µg/l was used, which is 100 times the Residential Assessment Level (RAL) for dibenzofuran. In the B-CZ/B-TZ unit, the above procedure resulted in 12 anomalous values for naphthalene, seven anomalous values for 2-methylnaphthalene, and five anomalous values for dibenzofuran. Each of these values was treated as if it was an elevated non-detect value and then a replacement value was assigned using the algorithm shown in ***Appendix C***.

No adjustments were made in the C-TZ unit, although anomalous values were observed for naphthalene and 2-methylnaphthalene in MW-45 C for the July 2022 sample event. These constituents were detected at concentrations of 15,000,000 µg/l and 4,000,000 µg/l, respectively. These values are clearly not representative of dissolved concentrations since they are both more than 160 times the solubility limits. The anomalous results can be observed in the plume metrics charts in ***Appendix A***. Since the anomalous results occurred near the end of the dataset, they had little impact on the interpretation of the trends.

2.1.2 Groundwater Plume Map Development

As part of the Ricker Method® plume stability analysis, constituent concentration isopleth maps, or plume maps, were developed using input data from the procedures described above. The following table shows the TCEQ TRRP Tier 1 residential groundwater PCLs or Residential Assessment Levels (RALs) (the lesser value between $^{GW}GW_{Ing}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs), assuming a 30-acre source area and Class 2 groundwater classification (except for B-CZ wells that are considered completed in a Class 3 groundwater resource). The RALs were used to define the COC boundaries on the plume maps for each constituent in each zone.

Delineation Boundary Levels based on RAL Values (µg/L)				
Constituent	**A-TZ**	**B-TZ Class 2**	**B-TZ Class 3**	**C-TZ**
2,4-Dimethylphenol	490	490	49,000	490
2-Methylnaphthalene	98	98	9,800	98
Benzene	5	5	500	5
Dibenzofuran	98	98	9,800	98
Naphthalene	490	490	49,000	490

The constituent-specific plume area for each sampling event was calculated using the mathematical features of the contouring software used to develop the isopleth maps (i.e., Surfer® by Golden Software, Inc.). The Kriging gridding method was used with the default linear variogram to develop the isopleth maps. In some cases, wells that have always exhibited non-detect concentrations were assumed to be non-detect for that constituent prior to installation. Consistent with generally accepted scientific practices, these wells were used as control points to conceptualize the plume behavior during earlier periods where there was not enough data to conceptualize or delineate the plume. The wells used as control points are denoted by a blue dot on the plume maps (see locations in ***Appendix A***). Surfer® was also used for the computation of the average concentration of each plume as described in Ricker (2008). The plume area and average concentrations were then used to calculate the plume mass indicator for each year. To calculate the plume mass indicator, a porosity of 20% and an aquifer thickness of 10 feet were used for all units.

Concentration isopleth maps for each of the constituents listed above are included in the PowerPoint presentation in ***Appendix A***. Plume stability characteristics were calculated for each of the sampling events included in the analysis. The plume stability characteristics of area, average concentration, and mass indicator, as well as the location of the center of mass, are also provided on each isopleth map.

2.1.3 Statistical Methodology

To evaluate the stability of each constituent plume, the area, average concentration, and mass indicator for each event were plotted to observe changes in each parameter from event to event. Temporal trends of the characteristics for each plume were also evaluated statistically. The characteristics that were trended are tabulated in ***Appendix D***.

The temporal trends in the plume characteristic values were statistically evaluated using both linear regression techniques and the Mann-Kendall Test. Linear regression analyses were conducted using the

regression analysis utility in Microsoft Excel. The Mann-Kendall Tests were conducted using procedures described in Gilbert (1987). Linear regression is a parametric statistical procedure that is typically used for analyzing trends in data over time. The Mann-Kendall Test is a non-parametric statistical test; therefore, it is not dependent upon the magnitude of the data, assumptions of distribution, or regularly spaced sampling events.

The Mann-Kendall Test is used to assess whether a data set exhibits an increasing or decreasing trend at a predetermined level of significance (α). The test requires the calculation of a statistic "S" which is the difference between the number of paired differences that are positive, minus the number that are negative. If S is a large positive value, then there is evidence of an increasing trend in the data. If S is a large negative value, then there is evidence of a decreasing trend in the data. The null hypothesis, H_0, for the Mann-Kendall Test is that there is no temporal trend in the data. The alternative hypothesis, H_A, is that of either an upward trend or a downward trend.

If the null hypothesis is not rejected (i.e., no trend could be established statistically), it is expected that the plume is stable. However, a stable plume may not in fact be evident because the statistical test does not consider magnitude or variation in the data. For example, a data set can exhibit a large amount of scatter, yet the test could conclude that the plume is stable. A methodology to counter the problem of scatter in the data involves comparing the calculated S statistic, a calculated confidence factor (1-α), and the coefficient of variation for the data set. The S statistic indicates the direction of the trend, the confidence factor shows how strong the trend is, and the coefficient of variation indicates the degree of scatter in the data.

When evaluating trends using linear regression, trends may be obscured by scatter in the data. This condition is typically indicated by a low coefficient of determination (R^2) value. Even with low R^2 values (i.e., high degree of scatter) a confidence interval can still be constructed on the slope of the regression line. As described in AFCEE (2006), assuming the sign (i.e., positive, or negative) of the estimated log-slope is correct, a level of confidence that the slope is not zero can be easily determined. The overall trend in the data may thus still be determined, where low levels of confidence correspond to stable or indeterminate trends and higher levels of confidence (e.g., > 90%) indicate the stronger likelihood of a trend.

For the plume stability analysis, significant trends (increasing or decreasing) are concluded when the confidence factor is greater than 90%. If the confidence factor is less than 90%, the plume is considered stable if the regression line slope or the S statistic is negative and the coefficient of variation is less than one. If the trend is not significant and does not meet the criteria for a stable trend, the trend is considered indeterminant.

In many cases the statistical results for both linear regression and Mann-Kendall Test agree with each other. In the case where two different results are obtained (e.g., one stable trend and one decreasing trend), visual analysis and professional judgment are used to determine the overall trend result.

2.2 Spatial Change Indicator™ Methodology

The Spatial Change Indicator™ evaluation (US Pat. No. 10,400,583) shows relative changes in the plume over time. For this analysis, each plume map in a particular series is compared to the first plume map in the series by subtracting from the original plume to create a new isopleth map that shows areas of the plume that decreased in concentration (indicated by blue shading) or increased in concentration (indicated by red shading). The visual aspect of this analysis allows the viewer to observe patterns of plume behavior over time.

This analysis also has a quantitative component. Each Spatial Change Indicator™ map includes the percent change (increase or decrease) of the plume between each event and the baseline event in terms of area, average concentration, and mass indicator as calculated using Ricker Method® procedures. Additionally, for areas that increased or decreased in concentration, representative magnitudes of mass increase (red shaded areas) and mass decrease (blue shaded areas) are also included on each map. Spatial Change Indicator™ analyses for the previously listed constituents are included in ***Appendix A***.

3.0 GROUNDWATER PLUME ANALYTICS® RESULTS

This section of the report provides a summary of the results of the Groundwater Plume Analytics® evaluation. The full graphical display and analysis, including plume map videos, the Spatial Change Indicator™ results, and groundwater elevation maps, are included in ***Appendix A***. The dataset for the Site is challenging in that there have been numerous changes in the monitoring well network and analytical testing methods. Ideally, plume stability metric trend analysis would be conducted for a period with a consistent well network. This is because well network changes (adding or removing wells for analysis) can affect the plume metrics and possibly skew trend conclusions. Because of the multiple well network changes, the plume stability analysis trends may include periods with one or more network changes during the trending period. Network changes are annotated on the trend charts in ***Appendix A*** as “E” (network expansion) or “R” (network reduction).

As observed in the trend charts in ***Appendix A***, trend analyses were conducted for the analysis period of 2014 to 2024 for A-TZ, 2012 to 2024 for B-CZ/B-TZ, and 2004 to 2024 for C-TZ. The Ricker Method® plume stability analysis trend conclusions and trend date range for each of the constituents evaluated are summarized below.

Ricker Method® Plume Stability Trend Results			
Constituent	**Area**	**Average Concentration**	**Mass Indicator**
A-TZ (2014 – 2024)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
Benzene	No Trend	Decreasing Trend	Decreasing Trend
Dibenzofuran	Decreasing Trend	Decreasing Trend	Decreasing Trend
Naphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
B-CZ/B-TZ (2012 – 2024)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend*	Decreasing Trend*
Benzene	Stable	Decreasing Trend	Decreasing Trend
Dibenzofuran	Stable	Stable	Stable
Naphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
C-TZ (2004 – 2024)			
2,4-Dimethylphenol	N/A	N/A	N/A
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend*	Decreasing Trend
Benzene	Decreasing Trend	Increasing Trend	Decreasing Trend
Dibenzofuran	Decreasing Trend	Decreasing Trend	Decreasing Trend
Naphthalene	Decreasing Trend	Decreasing Trend*	Decreasing Trend

*Based on Mann-Kendall
N/A – Not Available

As observed above, all trends in the A-TZ zone were identified as not statistically significant or decreasing. Similarly, all trends in the B-CZ/B-TZ zone were identified as stable or decreasing. The C-TZ zone has decreasing for all trends except for average concentration for benzene. Further discussion on the trend analysis results and the Spatial Change Indicator™ evaluation results for each constituent are provided in the following sections.

3.1 2,4-Dimethylphenol

As observed above, the 2,4-dimethylphenol plume area, average concentration, and mass indicator are observed to be decreasing in both the A-TZ and B-CZ/B-TZ groundwater. Trend analyses were not performed for the C-TZ groundwater unit because there were not enough detections above the base contour to conduct a whole-plume analysis. As observed in the Spatial Change Indicator™ analyses, the 2,4-dimethylphenol plumes changed in the groundwater bearing units:

- A-TZ - The 2,4-dimethylphenol plume decreased in mass by 98% since 2014. All areas of the plume show mass decreases since 2014.
- B-CZ/B-TZ – The 2,4-dimethylphenol plume decreased in mass by 75% since 2012. The BTZ shows decreasing concentrations in all areas, except the northern edge of the plume near MW-32B and MW-70B, which are both creosote DNAPL recovery wells and typically have DNAPL present in the wells. Historic data from these wells does not indicate an increasing trend and these values are primarily below the Class 3 groundwater RAL. The majority of the mass of 2,4-dimethylphenol plume within the B-CZ groundwater unit is within the eastern delineated Class 3 unit. The only consistent historical detection within the Class 2 groundwater unit is MW-74B which has shown concentration decrease from 55,000 µg/L in 2012 to 5,800 µg/L in 2024.
- C-TZ – There is no plume in the C-TZ unit. There are only a few scattered detections of 2,4-dimethylphenol above the RAL.

3.2 2-Methylnaphthalene

The 2-methylnaphthalene plume is observed to be decreasing in all three groundwater units. Below are the observations of the Spatial Change Indicator™ analyses:

- A-TZ - The 2-methylnaphthalene plume decreased in mass by 96% since 2014. All areas of the plume show mass decreases since 2014.
- B-CZ/B-TZ – The 2-methylnaphthalene plume increased in mass by 38% since 2012. The B-TZ shows decreasing concentrations at the northern edge of the plume near MW-33BR and MW-68B. The B-TZ shows increasing concentrations near MW-32B and MW-70B, which are both creosote DNAPL recovery wells and typically have DNAPL present in the wells. An increase in concentrations since 2012 have also been seen to the south near MW-74B and MW-75B. Historical data from these wells does not indicate an increasing trend and these values are primarily below the Class 3 groundwater RAL. The majority of plume mass within the B-CZ/B-TZ groundwater unit is located within the B-CZ Class 3 delineated zone on the eastern portion of the

Site. The only plume located within the Class 2 groundwater unit is located near MW-74B and MW-75B.

- C-TZ – The 2-methylnaphthalene plume decreased in mass by 91% since 2007. All areas of the plume show mass decreases, except for MW-18C, showing localized increase of 2-methylnaphthalene above the RAL.

3.3 Benzene

As observed above, the benzene plume mass indicator is observed to be decreasing in both the A-TZ and B-CZ/B-TZ groundwater units. The C-TZ benzene plume appears to be decreasing in mass and area despite the increasing trend in concentration. Below are the observations of the Spatial Change Indicator™ analyses:

- A-TZ - The benzene plume in the A-TZ decreased in mass by 70% since 2014. The majority of the mass decrease occurred in the areas downgradient to the northeast. Smaller mass increases were observed to the southwest of the plume within and around wells MW-77A and MW-78A within the Englewood Intermodal Yard area.
- B-CZ/B-TZ - The benzene plume in the B-CZ/B-TZ groundwater unit decreased in mass 6% since 2012. A portion of increase within the plume is centered around wells MW-32B and MW-70B (both current DNAPL recovery wells) showing sharp increases in concentration from 2012 to 2018. Since 2018, MW-32B and MW-70B have shown variability in concentrations and no increasing trend. The southern and central portions of the benzene plume show decreasing mass, while the northern and eastern portions of the plume show increase in mass. The majority of the plume mass in the B-CZ/B-TZ groundwater unit is located in the Class 3 groundwater zone (B-CZ).
- C-TZ - The benzene plume in the C-TZ groundwater unit decreased by 52% in mass from 2007 to 2024. The increasing trend in concentration within the C-TZ zone is due to the decreasing area of the plume. When a plume reduces in area, the lowest concentration wells will be the first to reach non-detect and be removed from the calculation, thus the remaining wells, which may not have decreased as much, cause the average concentration to be higher. This is why it is important to consider all plume metrics together when assessing plume stability. All wells within the C-TZ zone have reduced concentrations since 2007.

3.4 Dibenzofuran

As observed above, the dibenzofuran plume mass indicator exhibits a decreasing trend in the A-TZ unit, stable in the B-TZ groundwater unit, and decreasing in the C-TZ unit. Below are the observations from the Spatial Change Indicator™ analyses:

- A-TZ - The dibenzofuran plume in the A-TZ groundwater unit decreased in mass by <99% since 2014. There is no plume in the A-TZ unit. There is no detection of dibenzofuran above RAL.
- B-CZ/B-TZ – The dibenzofuran has decreased by >99% since 2012, the overall trend since 2012 appears to be stable. The majority of the plume mass in the B-CZ/B-TZ groundwater unit is located in the Class 3 groundwater zone (B-CZ) and most of the plume is below the Class 3 groundwater RAL. Plume mass located in the Class 2 groundwater zone is centered around MW-74B and MW-75B within the Englewood Intermodal Yard area.
- C-TZ - The dibenzofuran plume in the C-TZ groundwater unit decreased by >99% in mass from 2007 to 2024. There is no plume in the C-TZ unit. There is no detection of dibenzofuran above RAL.

3.5 Naphthalene

As observed above, the naphthalene plume mass indication decreasing in the A-TZ, B-CZ/B-TZ and C-TZ units. The Spatial Change Indicator™ analyses provided the following results:

- A-TZ - The naphthalene plume in the A-TZ groundwater unit decreased 97% since 2014. The majority of the mass decrease occurred in the areas downgradient to the northeast.
- B-CZ/B-TZ - The naphthalene plume has decreased by 85% since 2012, the overall trend since 2012 appears to be decreasing. The B-TZ unit appears to be decreasing in all areas, except the area surrounding MW-32B and MW-70B, which are both creosote DNAPL recovery wells and typically have DNAPL present in the wells Historic data from these wells does not indicate an increasing trend and these values are primarily below the Class 3 groundwater RAL.
- C-TZ – The Naphthalene plume in the C-TZ groundwater unit decreased by 85% in mass from 2007 to 2024. There are only a few scattered detections of naphthalene above the RAL, with one increase in concentration at MW-18C, historically showing a decrease.

4.0 LIMITATIONS

Per the terms and conditions under which this scope of work was performed, this report shall be the sole property of the Union Pacific Railroad Company and shall not be relied upon by any other party. Any person or entity other than such regulatory agency (i.e., “third parties”, including any members of the public who may access this document as a public document) receives this report in every instance solely for informational purposes and not for any type of reliance. WSP makes no warranties or guarantees as to the accuracy or completeness of information, if any, provided or compiled by individuals or entities other than WSP. It is possible that, as a result of the limitations imposed on the scope of work, there exists relevant information that was not considered in the findings, observations and opinions as presented in this report. Additional information, which was not found or available to WSP at the time of writing this report, may result in modification of the findings, observations, and opinions presented herein. This report is not intended to be and is not a legal opinion. The services performed by WSP have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing at the same time under similar conditions. No other warranty, expressed or implied, is made.

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Appendix A

UPRR Houston Analytics PowerPoint File

Groundwater Plume Analytics® Services

Union Pacific Railroad Houston Wood Preserving Works Facility

4910 Liberty Road, Houston, Texas

Union Pacific Railroad Company

December 5, 2024

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Plume Analytics® Services

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Plume Analytics® Services

A-TZ	B-CZ/B-TZ	C-TZ
Benzene	Benzene	Benzene
2,4-Dimethylphenol	2,4-Dimethylphenol	2,4-Dimethylphenol
2-Methylnaphthalene	2-Methylnaphthalene	2-Methylnaphthalene
Dibenzofuran	Dibenzofuran	Dibenzofuran
Naphthalene	Naphthalene	Naphthalene

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Plume Analytics® Services

A-TZ	B-CZ/B-TZ	C-TZ
Spatial Change Indicator Summary	Spatial Change Indicator Summary	Spatial Change Indicator Summary

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Plume Analytics® Services

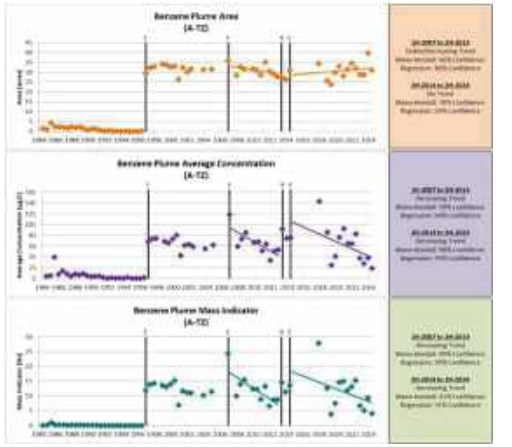
A-TZ	B-CZ/B-TZ	C-TZ
Benzene	Benzene	Benzene
2,4-Dimethylphenol	2,4-Dimethylphenol	2,4-Dimethylphenol
2-Methylnaphthalene	2-Methylnaphthalene	2-Methylnaphthalene
Dibenzofuran	Dibenzofuran	Dibenzofuran
Naphthalene	Naphthalene	Naphthalene
Summary	Summary	Summary

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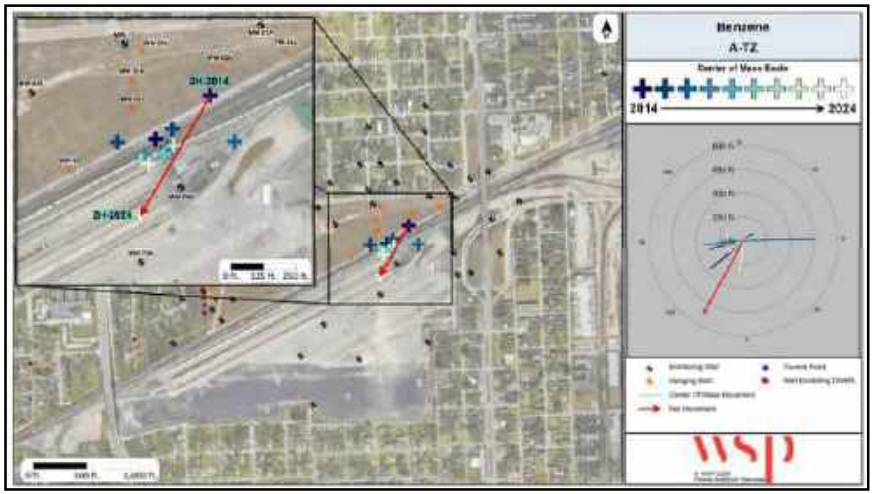
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R – network reduction

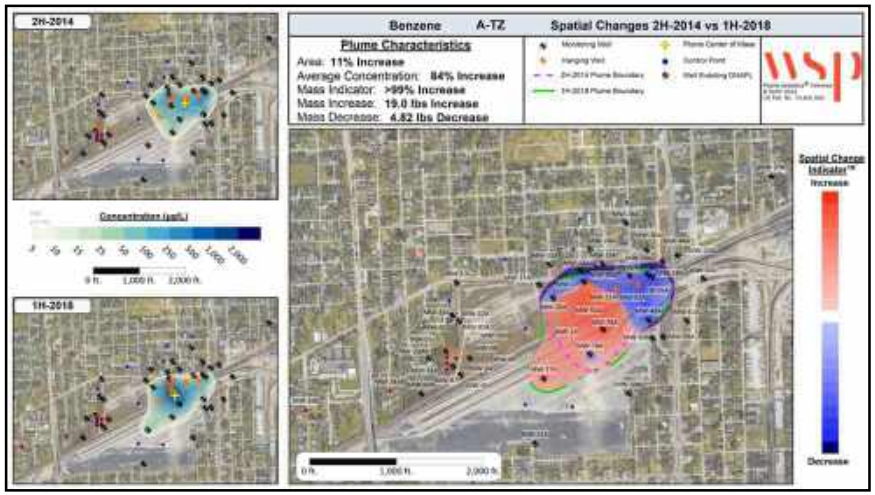
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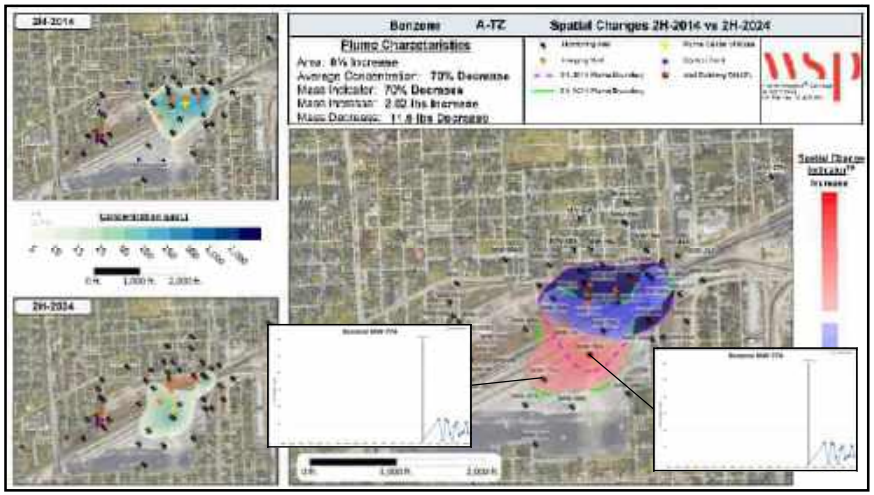
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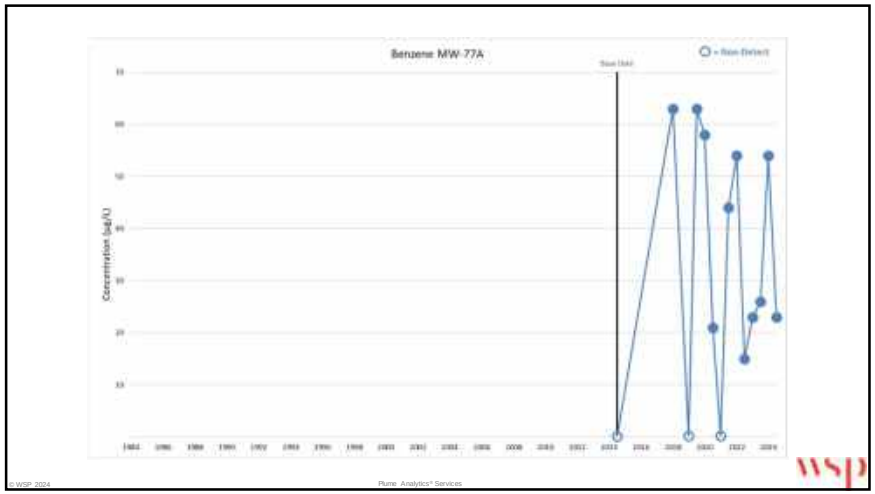
8


2H-2014
1H-2018
Benzene A-TZ Spatial Changes 2H-2014 vs 1H-2018
Plume Characteristics
Area: 11% Increase
Average Concentration: 84% Increase
Mass Indicator: >99% Increase
Mass Increase: 19.0 lbs Increase
Mass Decrease: 4.82 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

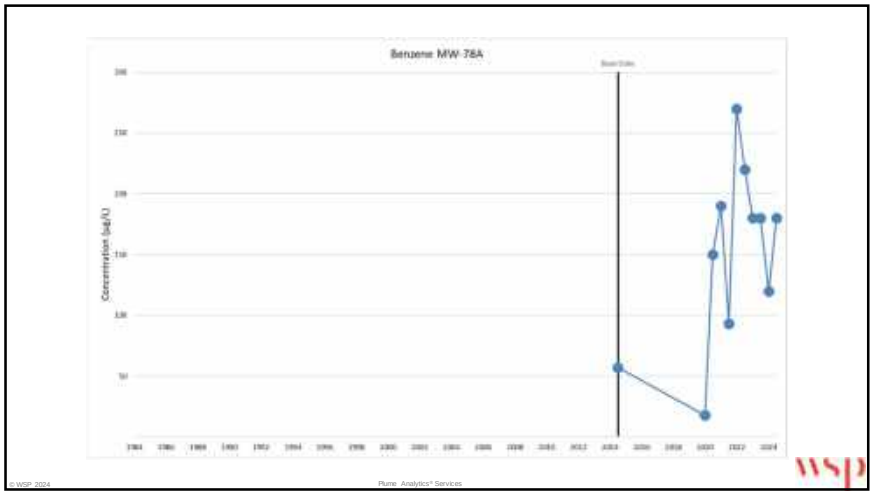
9


2H-2014
2H-2024
Benzene A-TZ Spatial Changes 2H-2014 vs 2H-2024
Plume Characteristics
Area: 8% Increase
Average Concentration: 70% Decrease
Mass Indicator: 70% Decrease
Mass Increase: 2.62 lbs Increase
Mass Decrease: 11.6 lbs Decrease

10


Benzene MW-77A
Concentration (ug/L)

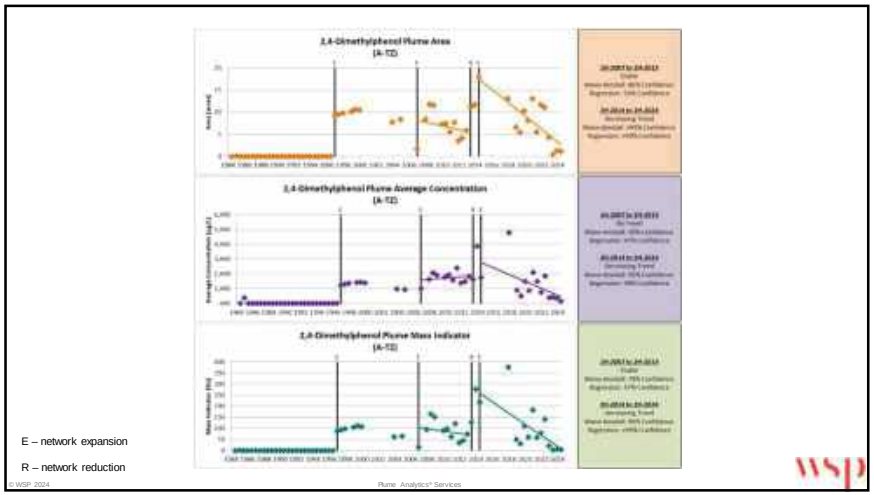
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Benzene MW-78A
Concentration (ug/L)

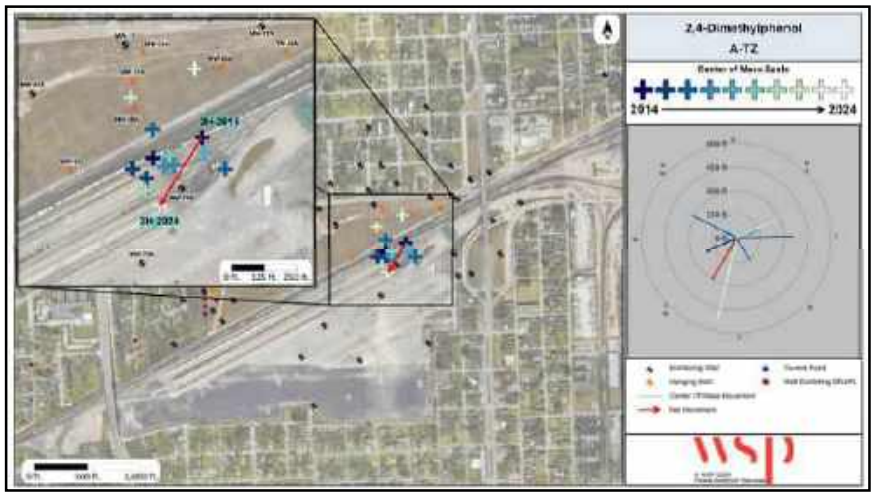
12


2,4-Dimethylphenol
A-TZ
2H-1984
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 490 µg/L
Plume Mass Indicator: 0.000 lbs

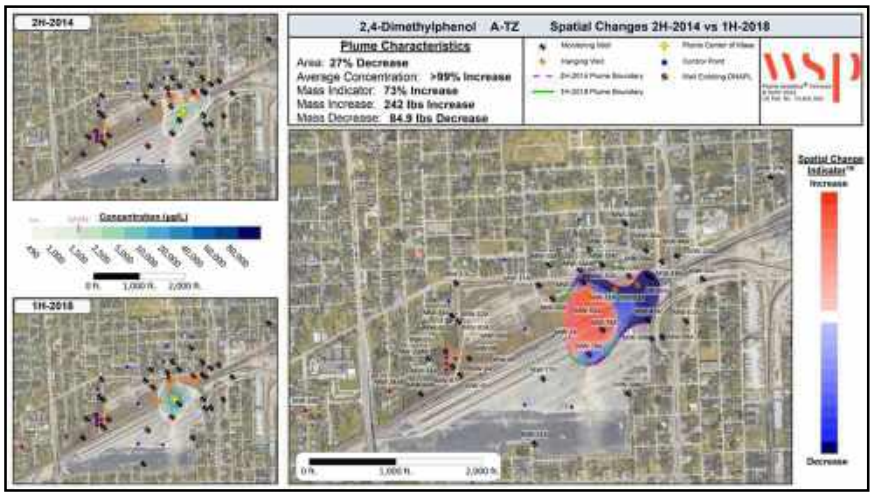
13


2,4-Dimethylphenol Plume Area
(A-TZ)
2,4-Dimethylphenol Plume Average Concentration
(A-TZ)
2,4-Dimethylphenol Plume Mass Indicator
(A-TZ)
E – network expansion
R – network reduction
Plume Analytics® Services

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2,4-Dimethylphenol
A-TZ
Center of Mass Scale
2014
2024
2H-2014
2H-2024

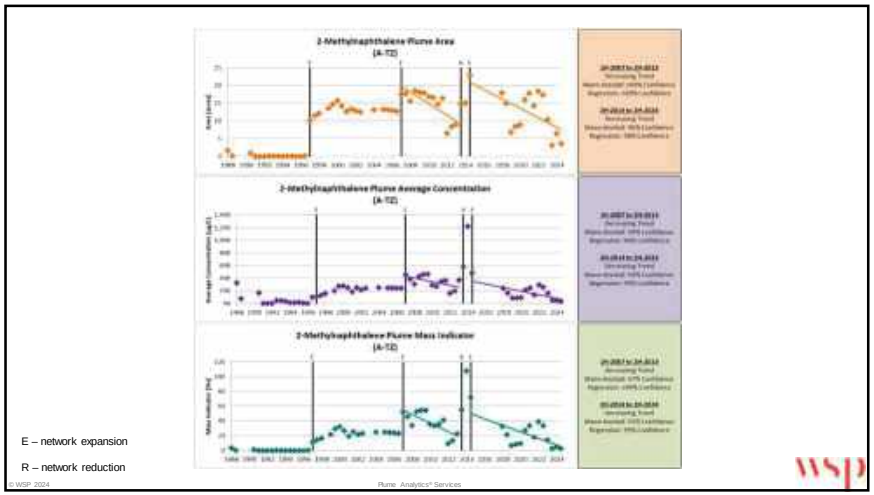
15


2H-2014
2,4-Dimethylphenol A-TZ Spatial Changes 2H-2014 vs 1H-2018
Plume Characteristics
Area: 27% Decrease
Average Concentration: >99% Increase
Mass Indicator: 73% Increase
Mass Increase: 242 lbs Increase
Mass Decrease: 84.9 lbs Decrease
Concentration (µg/L)
1H-2018
Spatial Change Indicator™
Increase
Decrease

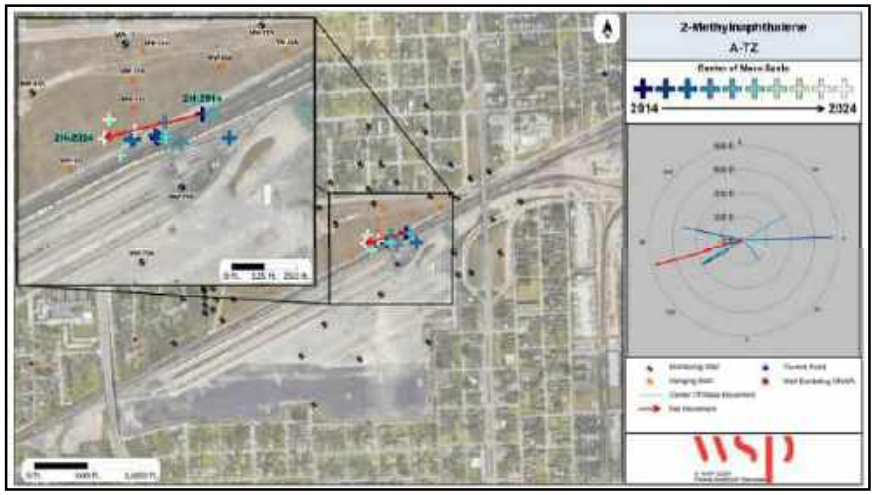
16


2-Methylnaphthalene
A-TZ
1H-1988
Concentration (µg/L)
Plume Characteristics
Plume Area: 1.6 acres
Plume Average Concentration: 424 µg/L
Plume Mass Indicator: 3.7 lbs

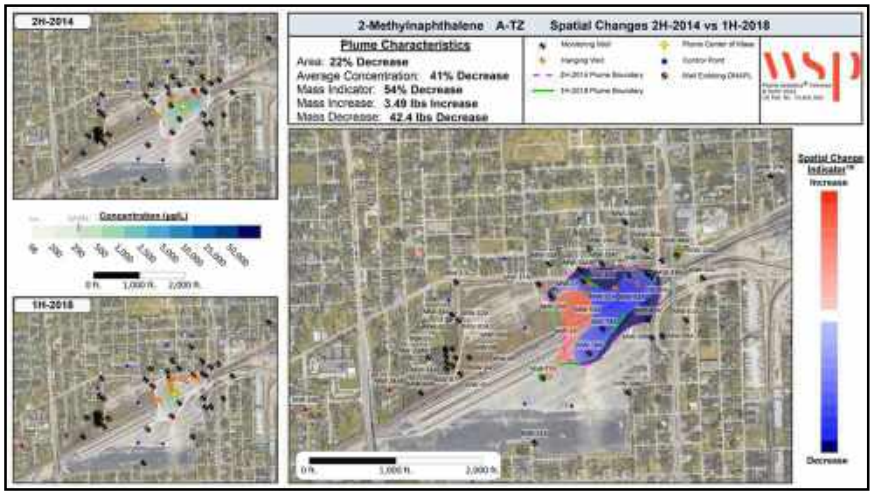
17


2-Methylnaphthalene Plume Area
(A-TZ)
2-Methylnaphthalene Plume Average Concentration
(A-TZ)
2-Methylnaphthalene Plume Mass Indicator
(A-TZ)
E – network expansion
R – network reduction
Plume Analytics® Services

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2-Methylnaphthalene
A-TZ
Center of Mass Shifts
2014
2024
2H-2014
2H-2024

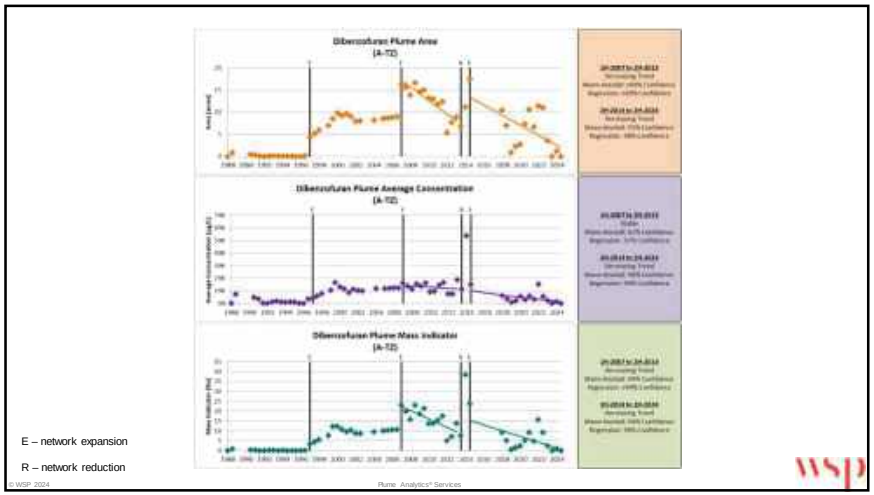
19


2H-2014
2-Methylnaphthalene A-TZ Spatial Changes 2H-2014 vs 1H-2018
Plume Characteristics
Area: 22% Decrease
Average Concentration: 41% Decrease
Mass Indicator: 54% Decrease
Mass Increase: 3.49 lbs Increase
Mass Decrease: 42.4 lbs Decrease
Concentration (µg/L)
1H-2018
Spatial Change Indicator™
Increase
Decrease

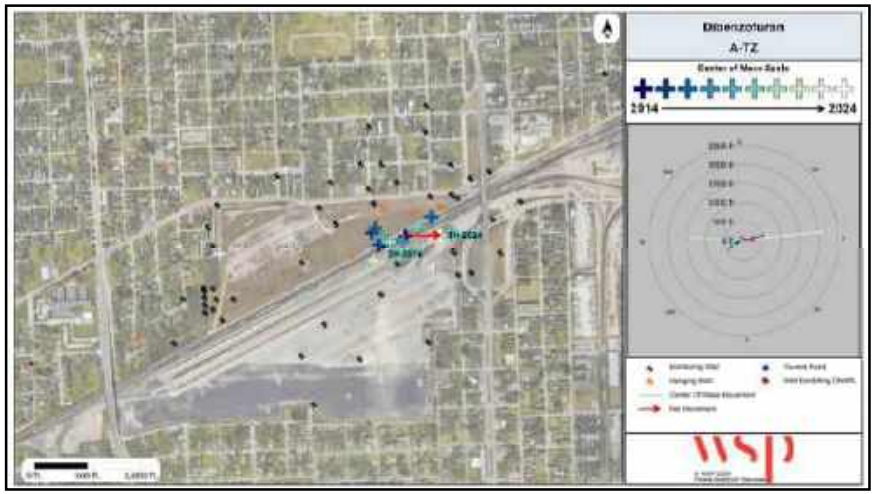
20


Dibenzofuran
A-TZ
1H-1988
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs

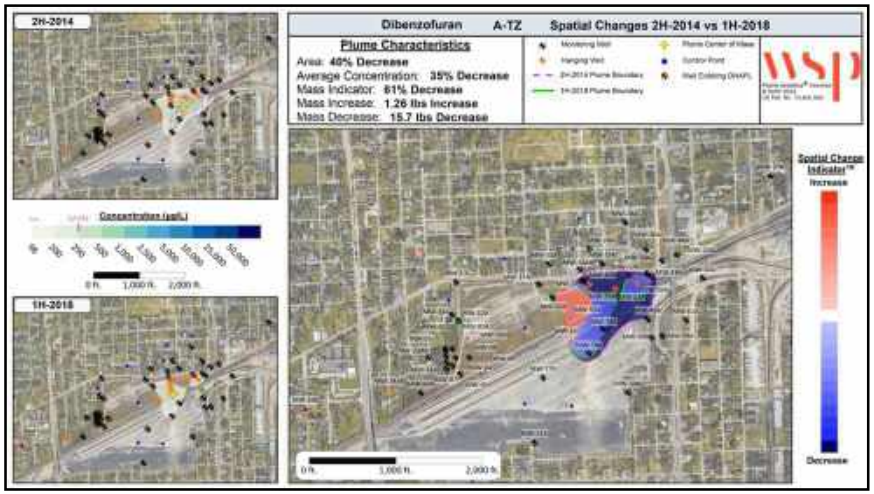
21


Dibenzofuran Plume Area
(A-TZ)
Dibenzofuran Plume Average Concentration
(A-TZ)
Dibenzofuran Plume Mass Indicator
(A-TZ)
E – network expansion
R – network reduction
Plume Analytics® Services

22


Dibenzofuran
A-TZ
Center of Mass Shifts
1H-2018
1H-2024

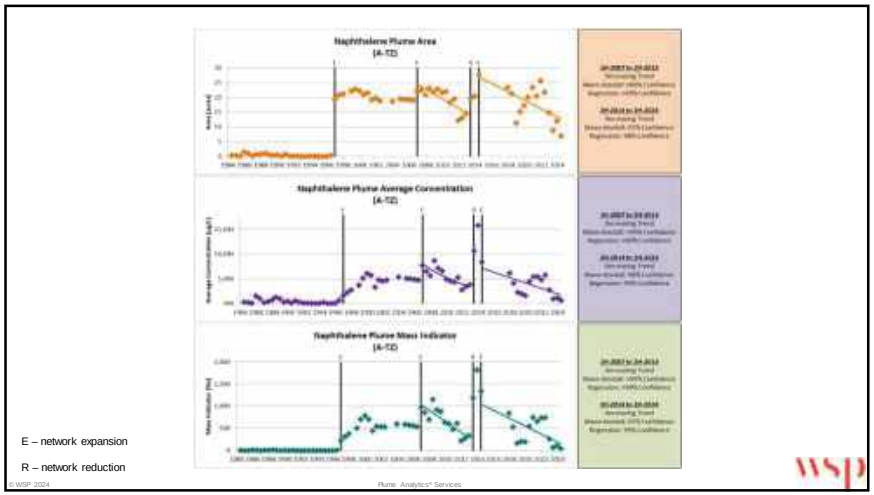
23


2H-2014
1H-2018
Dibenzofuran A-TZ Spatial Changes 2H-2014 vs 1H-2018
Plume Characteristics
Area: 40% Decrease
Average Concentration: 35% Decrease
Mass Indicator: 61% Decrease
Mass Increase: 1.26 lbs Increase
Mass Decrease: 15.7 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

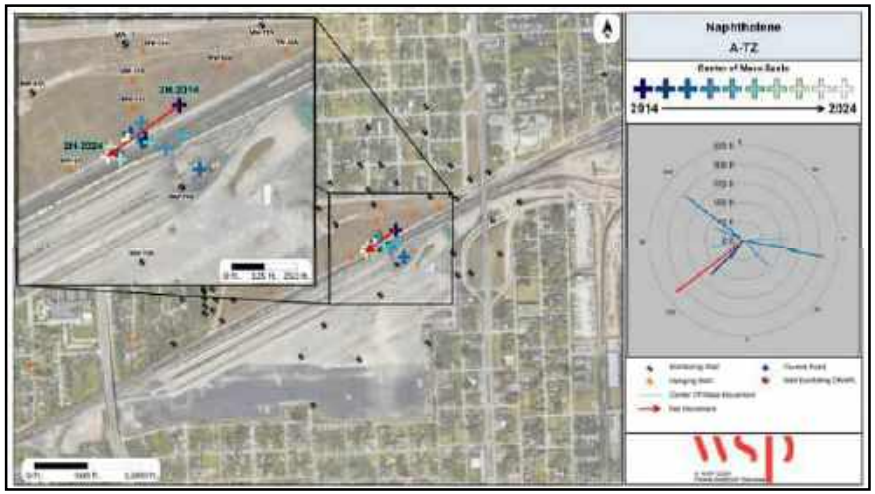
24


Naphthalene
A-TZ
2H-1984
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.33 acres
Plume Average Concentration: 771 µg/L
Plume Mass Indicator: 1.4 lbs

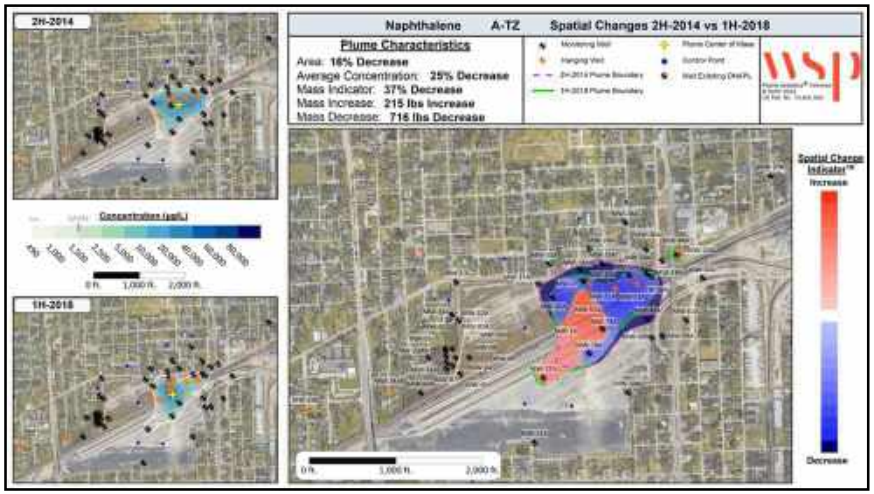
25


Naphthalene Plume Area
(A-TZ)
Naphthalene Plume Average Concentration
(A-TZ)
Naphthalene Plume Mass Indicator
(A-TZ)
E – network expansion
R – network reduction

26


Naphthalene
A-TZ
Center of Mass Shifts
2914
2024
2H-2014
2H-2024

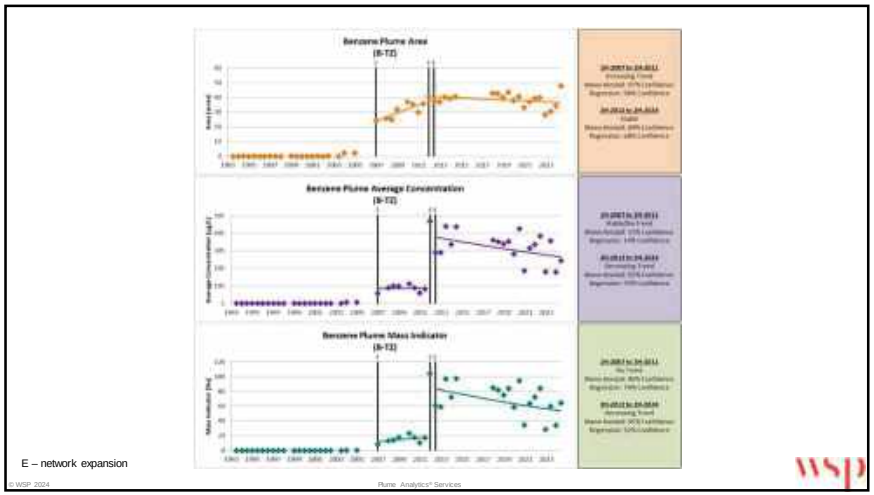
27


2H-2014
Naphthalene A-TZ Spatial Changes 2H-2014 vs 1H-2018
Plume Characteristics
Area: 16% Decrease
Average Concentration: 25% Decrease
Mass Indicator: 37% Decrease
Mass Increase: 215 lbs Increase
Mass Decrease: 716 lbs Decrease
1H-2018
Spatial Change Indicator™
Increase
Decrease

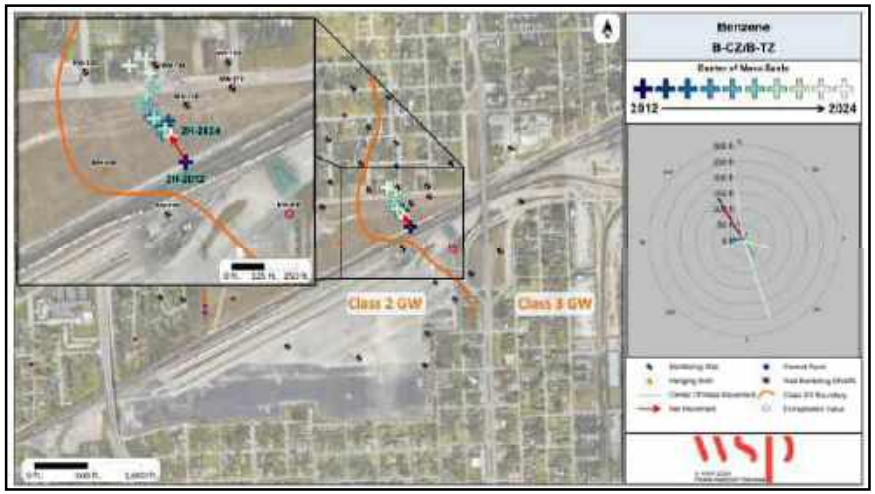
28


Benzene
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 5.0 µg/L
Plume Mass Indicator: 0.000 lbs
Class 2 GW
Class 3 GW

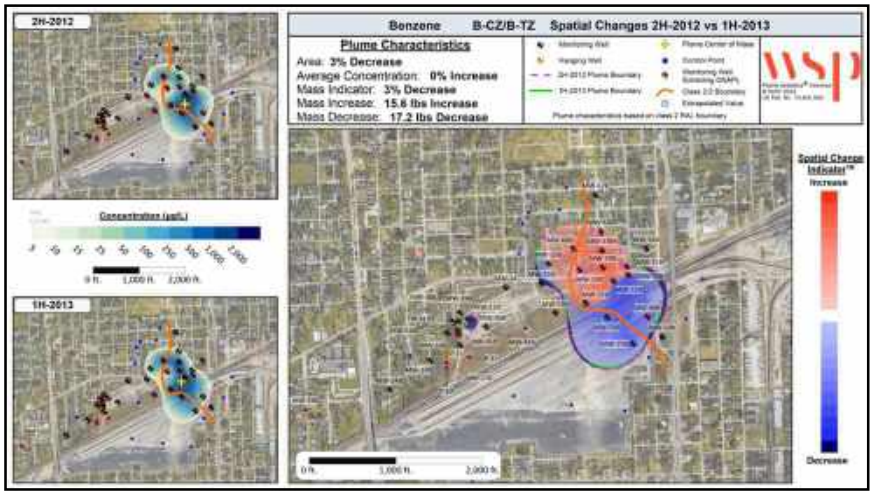
29


Benzene Plume Area
(B-TZ)
Benzene Plume Average Concentration
(B-TZ)
Benzene Plume Mass Indicator
(B-TZ)
E – network expansion

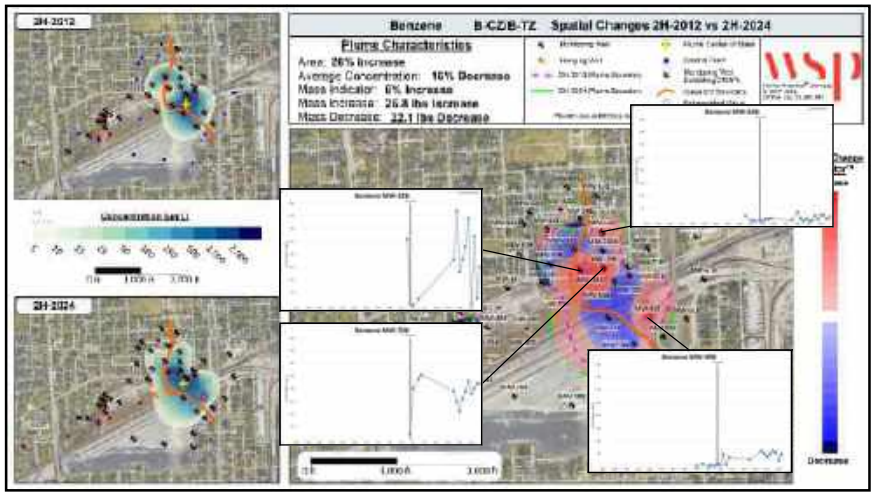
30


Benzene
B-CZ/B-TZ
Center of Mass Scale
2012
2024
2H-2024
2H-2012
Class 2 GW
Class 3 GW

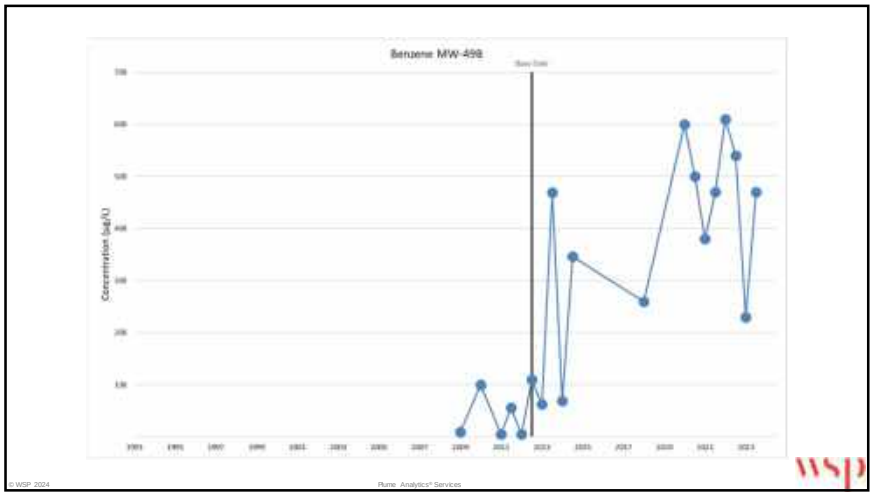
31


2H-2012
Benzene B-CZ/B-TZ Spatial Changes 2H-2012 vs 1H-2013
Plume Characteristics
Area: 3% Decrease
Average Concentration: 0% Increase
Mass Indicator: 3% Decrease
Mass Increase: 15.6 lbs Increase
Mass Decrease: 17.2 lbs Decrease
Concentration (µg/L)
1H-2013
Spatial Change Indicator™
Increase
Decrease

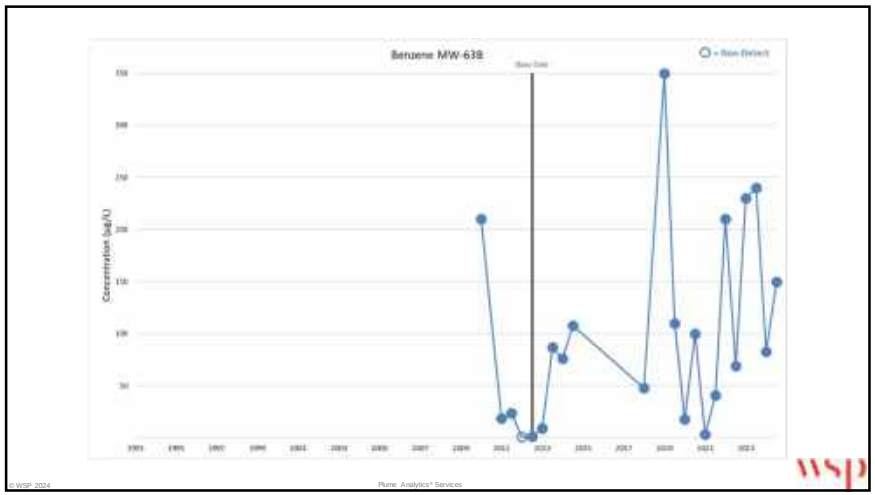
32


2H-2012
Benzene B-CDB-TZ Spatial Changes 2H-2012 vs 2H-2024
Plume Characteristics
Area: 26% Increase
Average Concentration: 16% Decrease
Mass Indicator: 6% Increase
Mass Increase: 26.8 lbs Increase
Mass Decrease: 32.1 lbs Decrease
2H-2024
Decrease

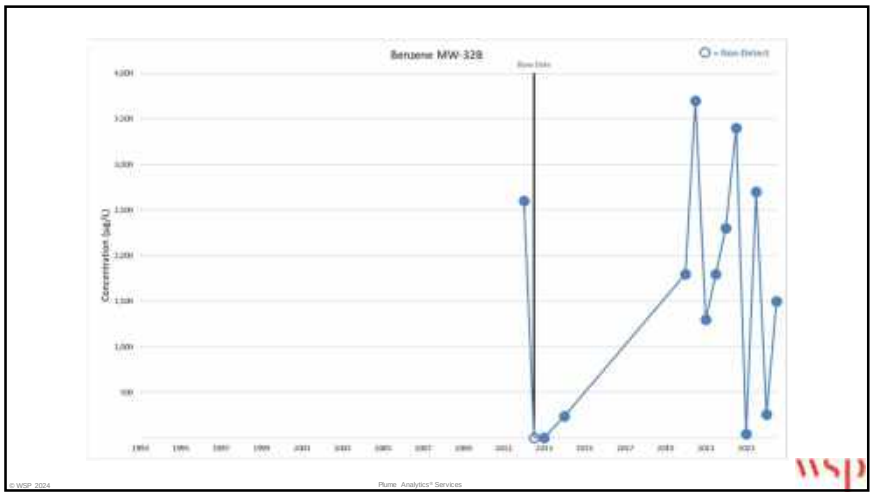
33


Benzene MW-498
Concentration (ug/L)
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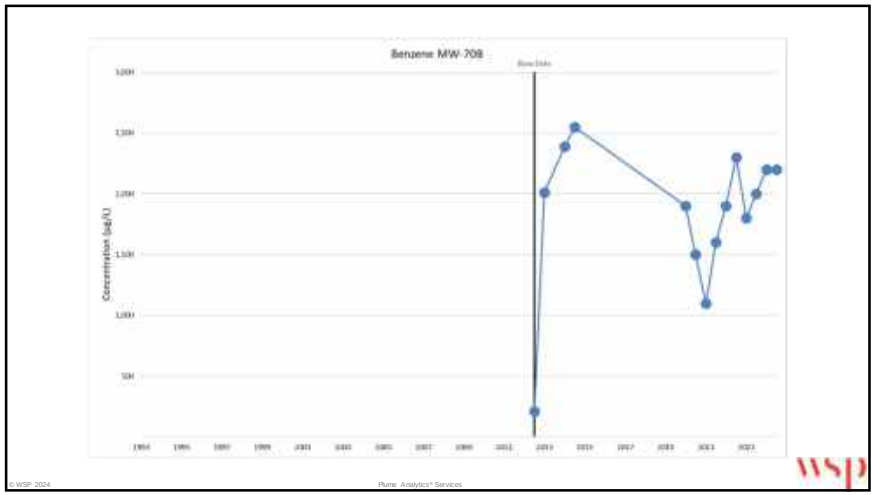
34


Benzene MW-638
Concentration (ug/L)
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35


Benzene MW-328
Concentration (ug/L)
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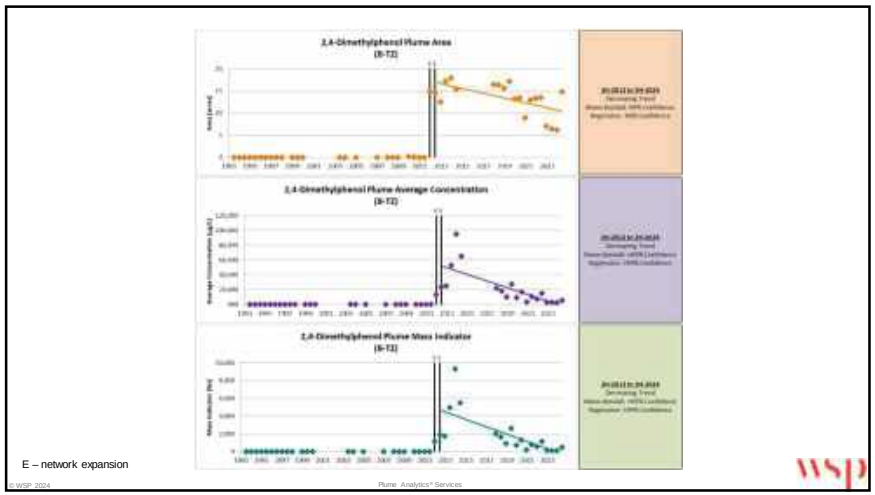
36


Benzene MW-708
Concentration (ug/L)
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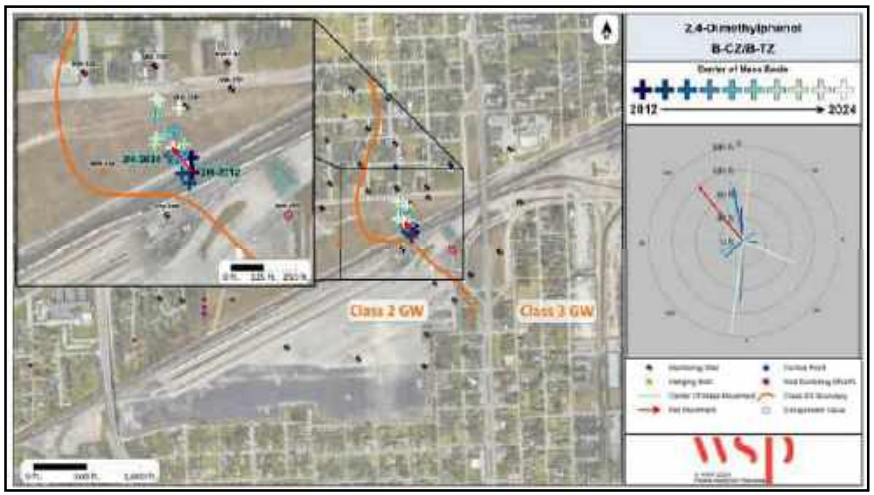
37


Class 2 GW
Class 3 GW
2,4-Dimethylphenol
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 490 µg/L
Plume Mass Indicator: 0.000 lbs

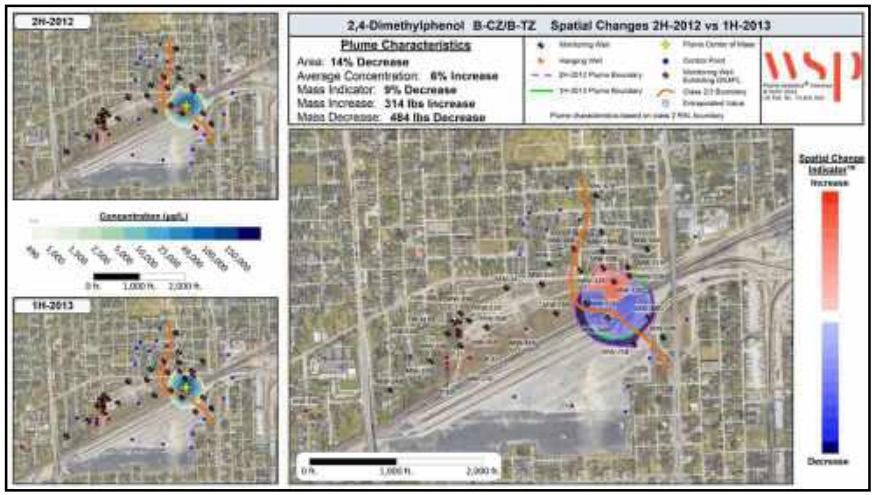
38


2,4-Dimethylphenol Plume Area
(B-TZ)
2,4-Dimethylphenol Plume Average Concentration
(B-TZ)
2,4-Dimethylphenol Plume Mass Indicator
(B-TZ)
E – network expansion
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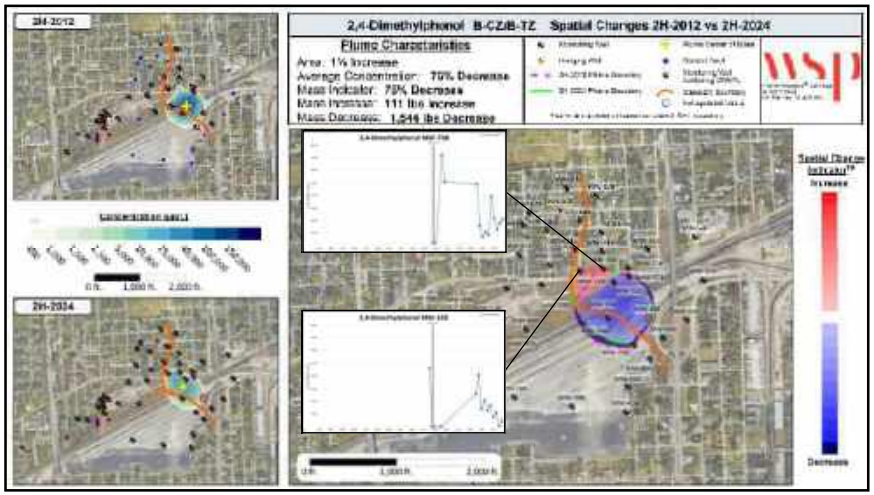
39


2,4-Dimethylphenol
B-CZ/B-TZ
Center of Mass Route
2012
2024
Class 2 GW
Class 3 GW

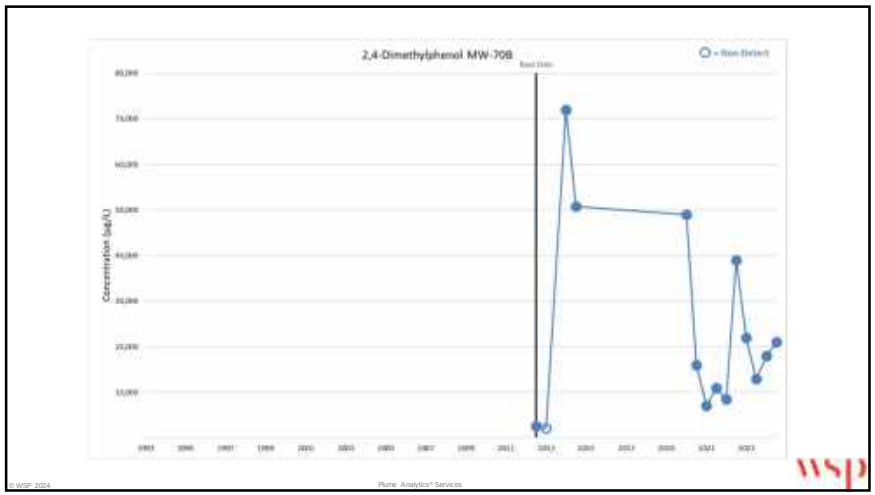
40


2H-2012
1H-2013
2,4-Dimethylphenol B-CZ/B-TZ Spatial Changes 2H-2012 vs 1H-2013
Plume Characteristics
Area: 14% Decrease
Average Concentration: 6% Increase
Mass Indicator: 9% Decrease
Mass Increase: 314 lbs Increase
Mass Decrease: 484 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

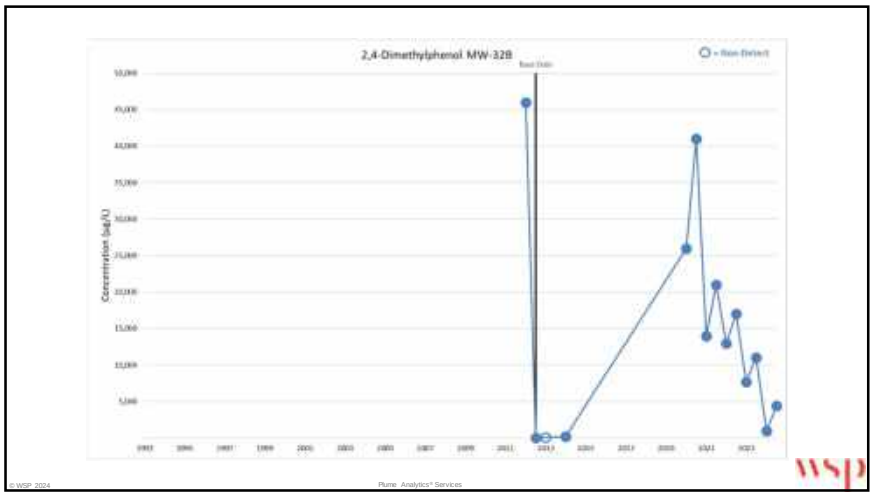
41


2H-2012
2H-2024
2,4-Dimethylphenol B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2024
Plume Characteristics
Area: 1% Increase
Average Concentration: 75% Decrease
Mass Indicator: 73% Decrease
Mass Increase: 111 lbs Increase
Mass Decrease: 1,549 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

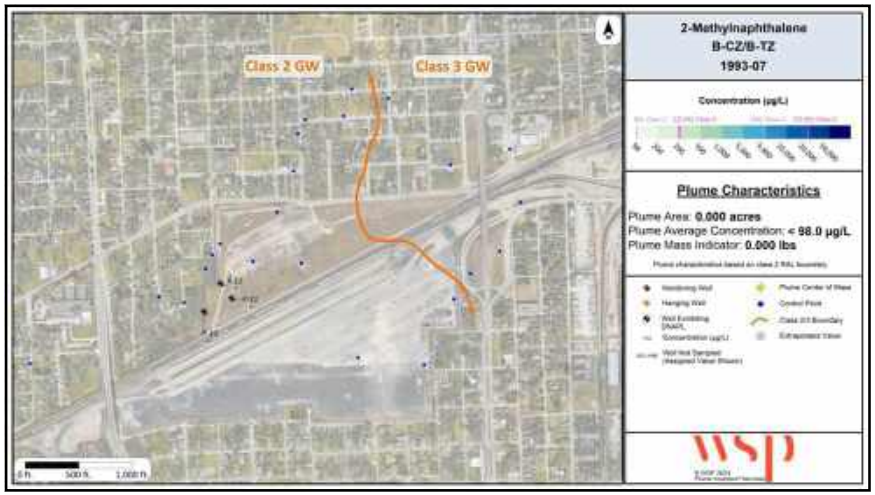
42


2,4-Dimethylphenol MW-708
= Non-Detect
Concentration (ug/L)

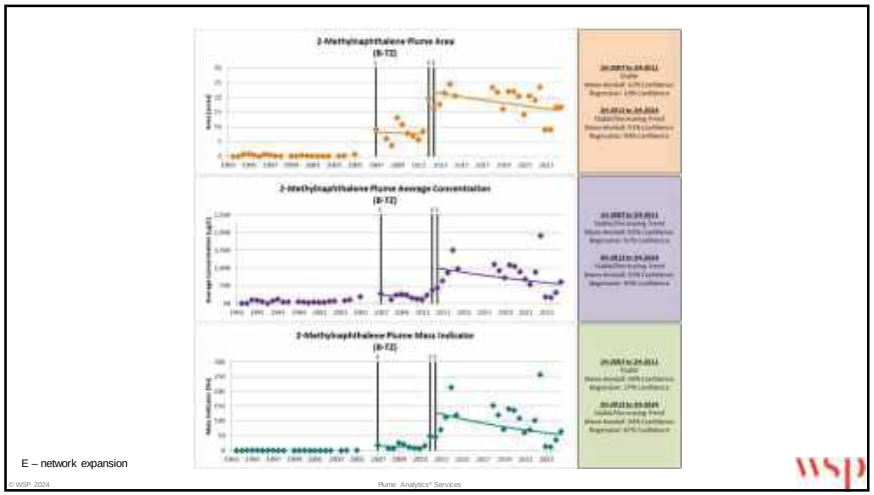
43


2,4-Dimethylphenol MW-328
= Non-Detect
Concentration (ug/L)

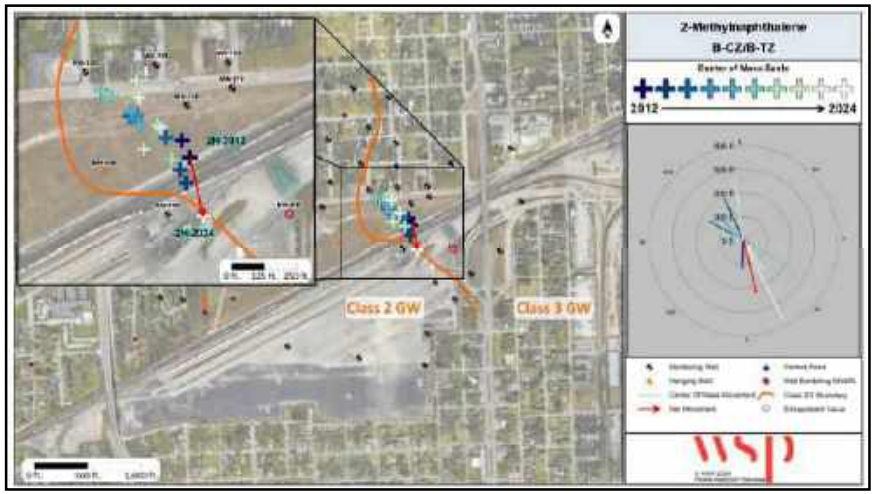
44


Class 2 GW
Class 3 GW
2-Methylnaphthalene
B-CZ/B-TZ
1993-07
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs

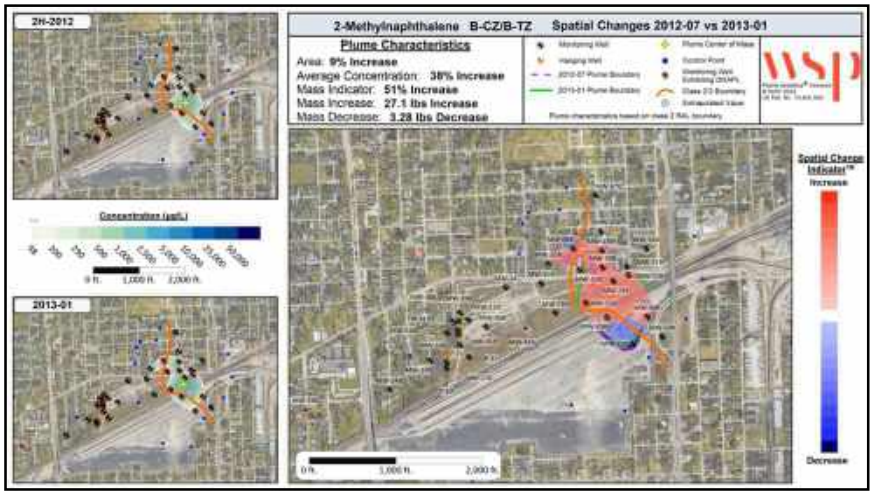
45


2-Methylnaphthalene Plume Area
(B-TZ)
2-Methylnaphthalene Plume Average Concentration
(B-TZ)
2-Methylnaphthalene Plume Mass Indicator
(B-TZ)
E – network expansion

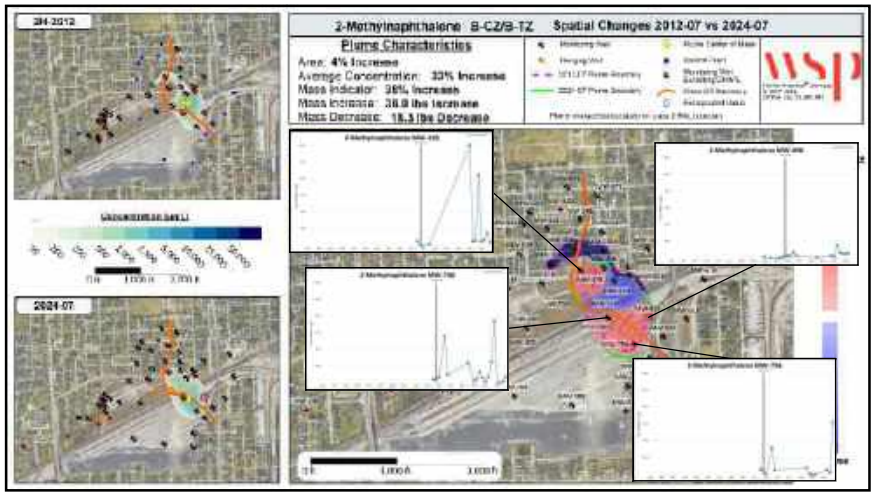
46


2-Methylnaphthalene
B-CZ/B-TZ
Center of Mass Shifts
2012
2024
Class 2 GW
Class 3 GW

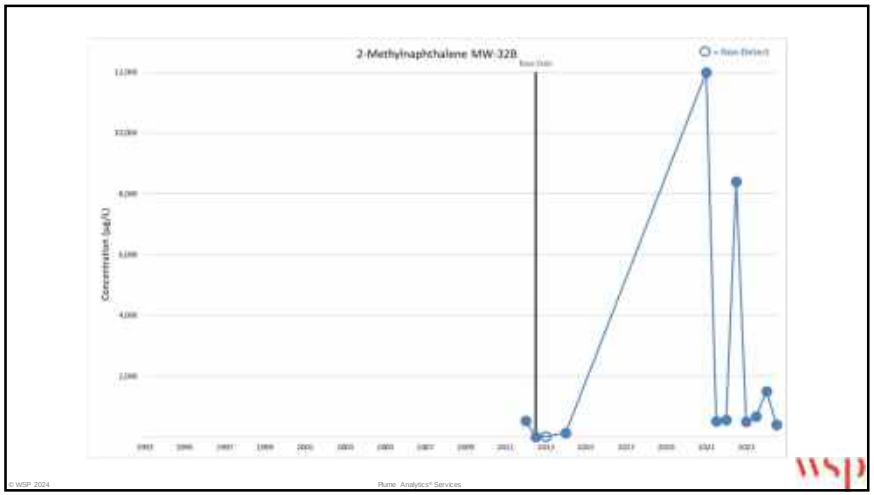
47


2H-2012
2013-01
2-Methylnaphthalene B-CZ/B-TZ Spatial Changes 2012-07 vs 2013-01
Plume Characteristics
Area: 9% Increase
Average Concentration: 38% Increase
Mass Indicator: 51% Increase
Mass Increase: 27.1 lbs Increase
Mass Decrease: 3.28 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

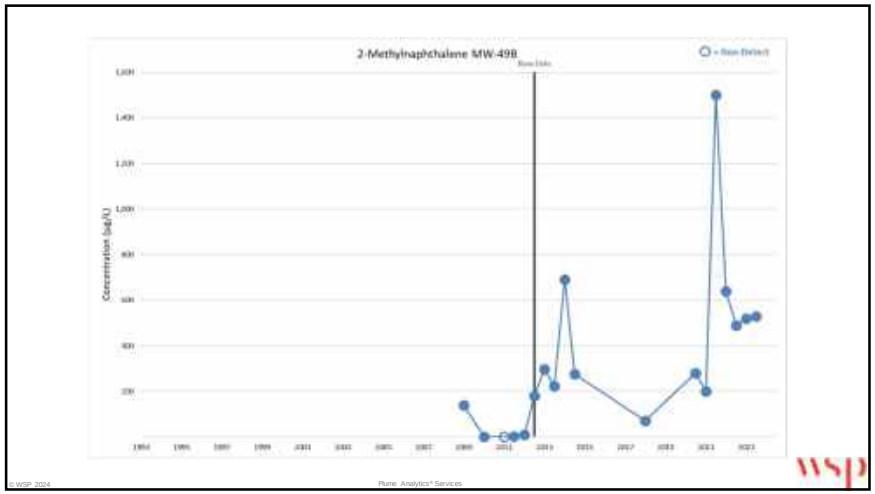
48


2-Methylnaphthalene B-CZ/B-TZ Spatial Changes 2012-07 vs 2024-07
Plume Characteristics
Area: 4% Increase
Average Concentration: 33% Increase
Mass Indicator: 36% Increase
Mass Increase: 38.8 lbs Increase
Mass Decrease: 18.3 lbs Decrease
2012-07
2024-07

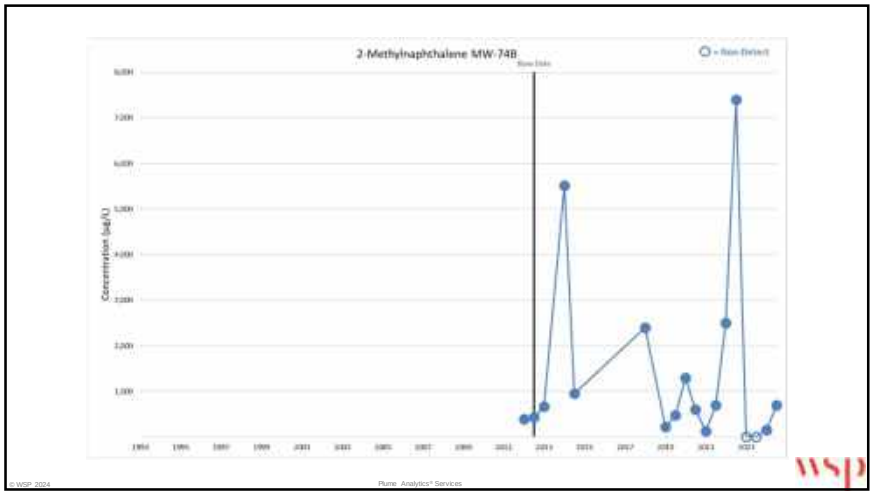
49


2-Methylnaphthalene MW-32B
Concentration (ug/L)
Plume Analytics® Services

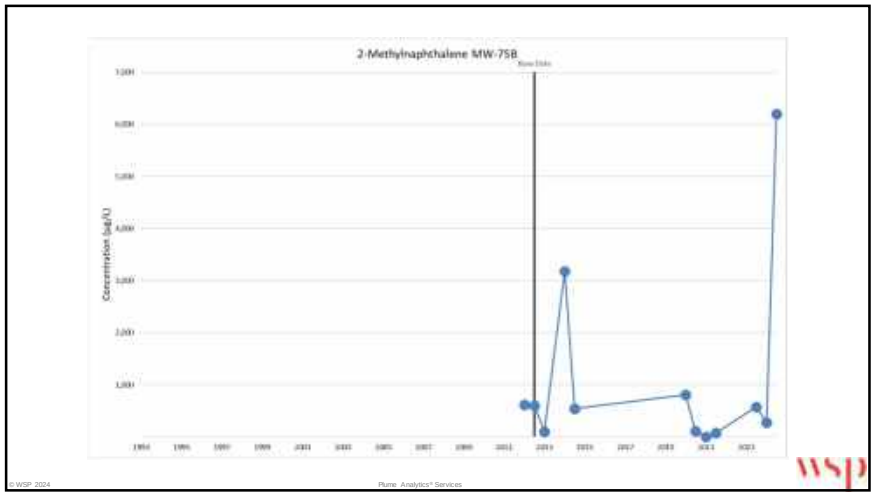
50


2-Methylnaphthalene MW-49B
Concentration (ug/L)
Plume Analytics® Services

51


2-Methylnaphthalene MW-74B
Concentration (ug/L)
Plume Analytics® Services

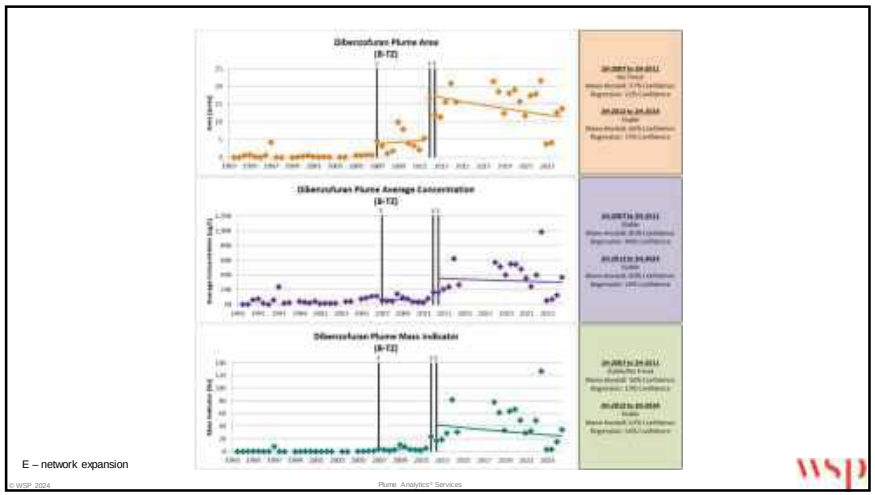
52


2-Methylnaphthalene MW-75B
Concentration (ug/L)
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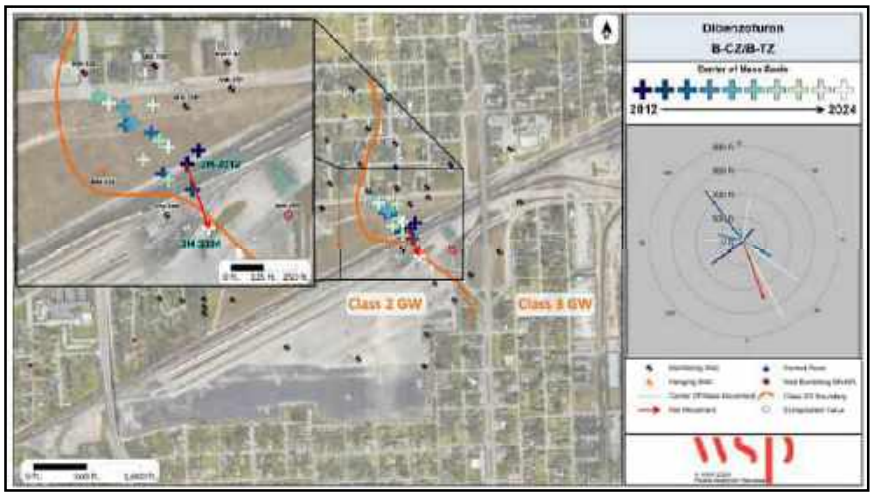
53


Class 2 GW
Class 3 GW
Dibenzofuran
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs

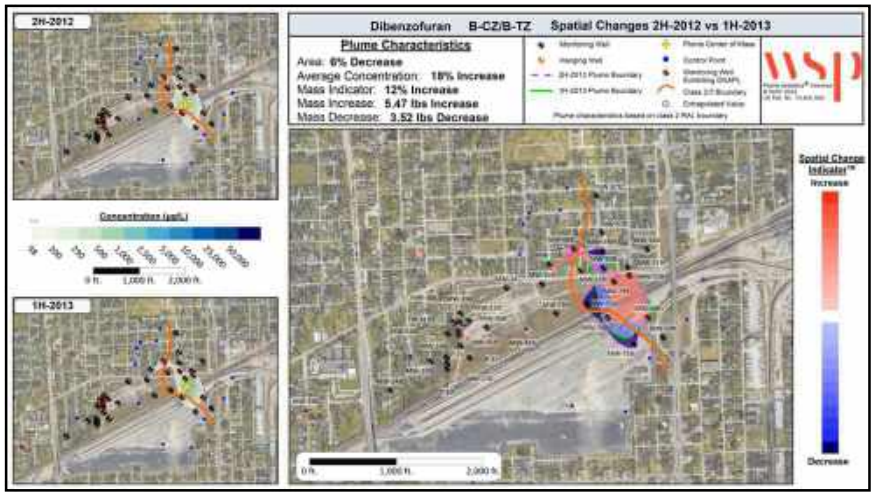
54


Dibenzofuran Plume Area
(B-TZ)
Dibenzofuran Plume Average Concentration
(B-TZ)
Dibenzofuran Plume Mass Indicator
(B-TZ)
E – network expansion
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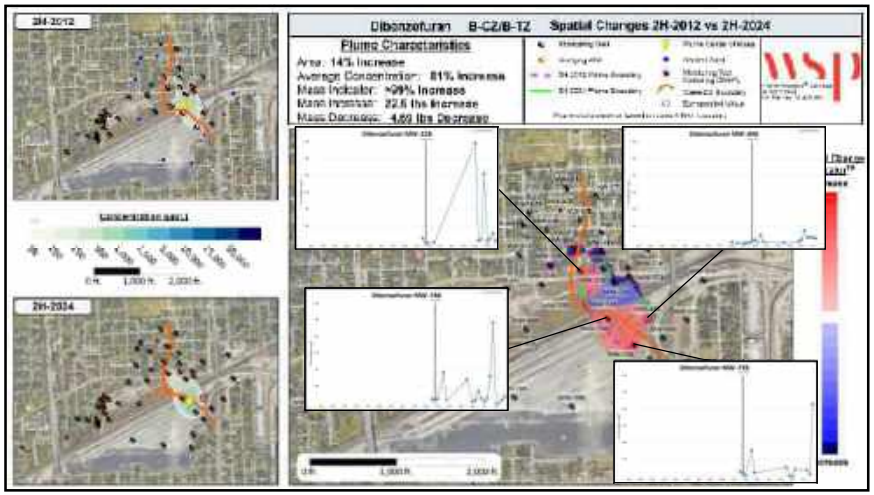
55


Dibenzofuran
B-CZ/B-TZ
Center of Mass Seeds
2012
2024
Class 2 GW
Class 3 GW

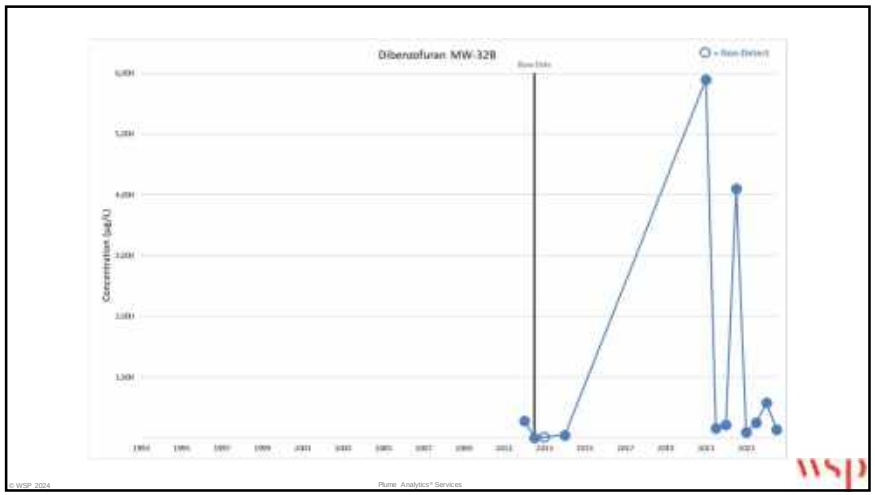
56


2H-2012
1H-2013
Dibenzofuran B-CZ/B-TZ Spatial Changes 2H-2012 vs 1H-2013
Plume Characteristics
Area: 6% Decrease
Average Concentration: 18% Increase
Mass Indicator: 12% Increase
Mass Increase: 5.47 lbs Increase
Mass Decrease: 3.52 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

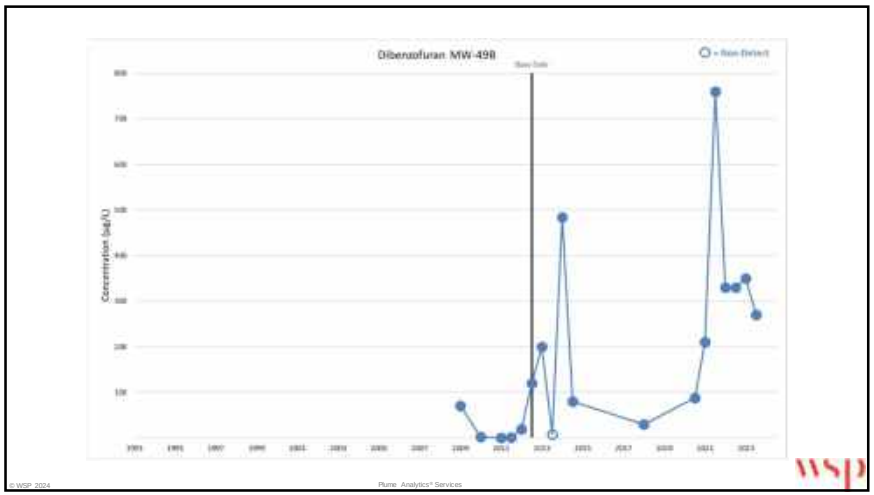
57


2H-2012
2H-2024
Dibenzofuran B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2024
Plume Characteristics
Area: 14% Increase
Average Concentration: 81% Increase
Mass Indicator: >99% Increase
Mass Decrease: 4.69 lbs Decrease

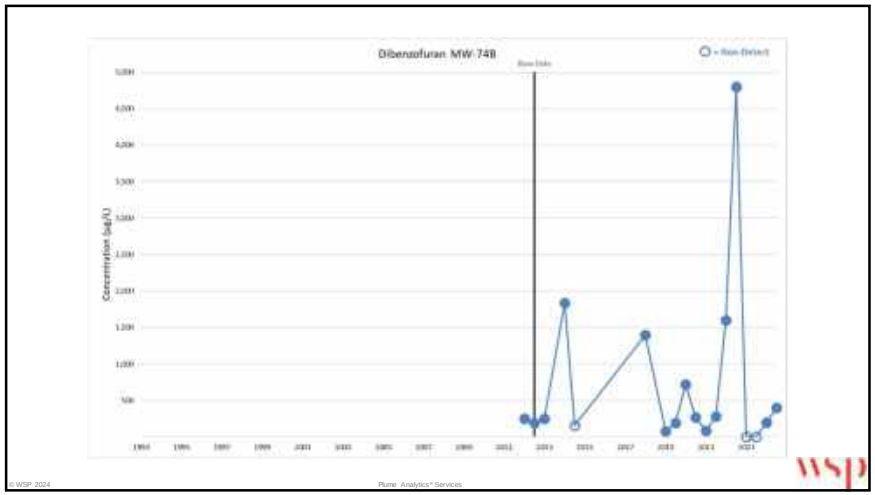
58


Dibenzofuran MW-32B
Concentration (µg/L)

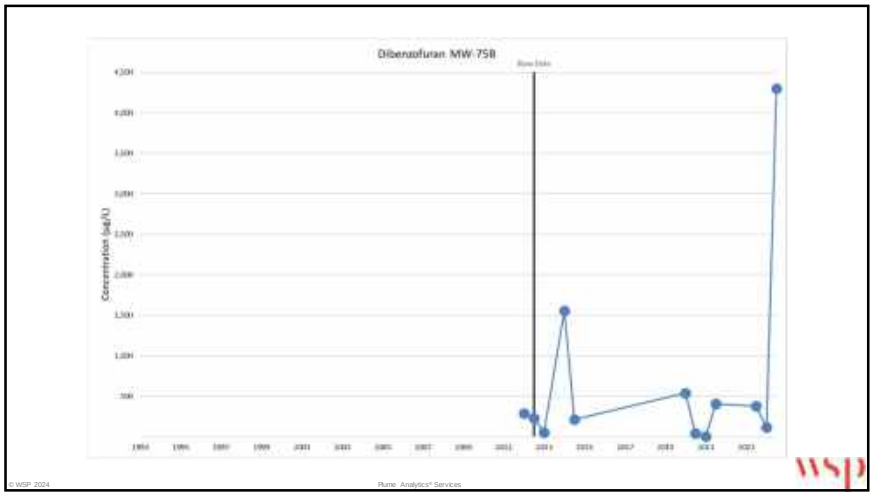
59


Dibenzofuran MW-49B
Concentration (µg/L)

60


Dibenzofuran MW-74B
Concentration (ug/L)
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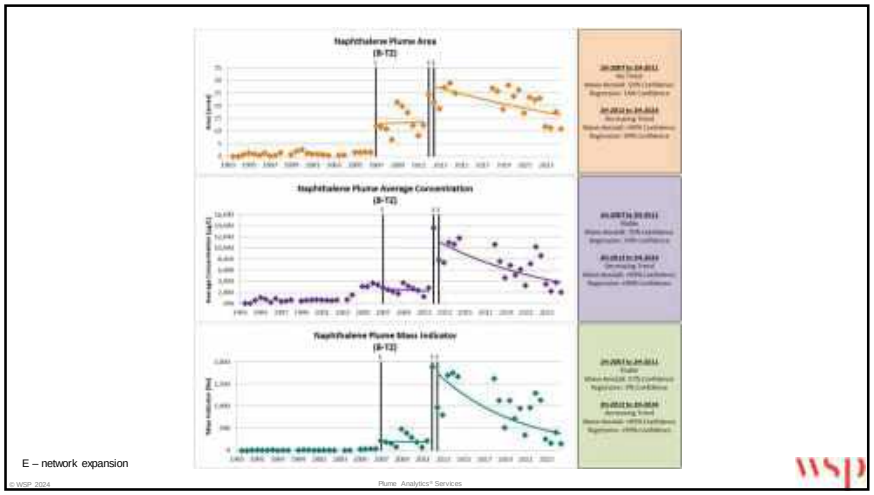
61


Dibenzofuran MW-75B
Concentration (ug/L)
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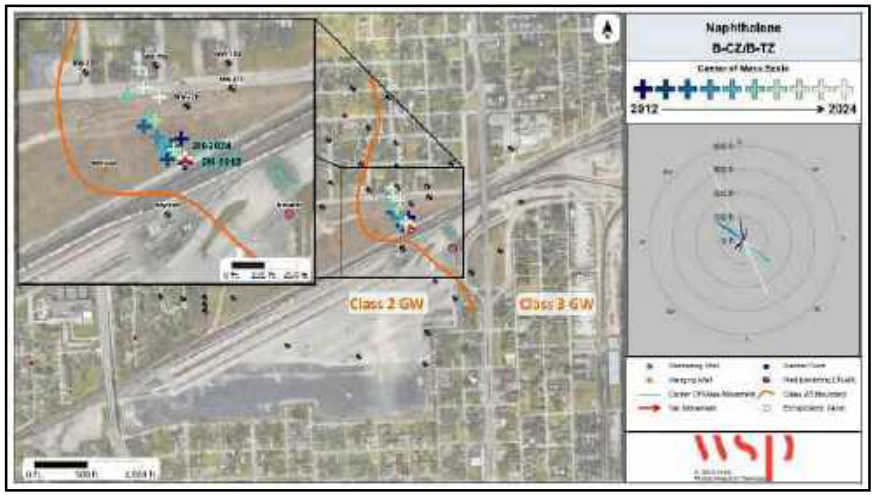
62


Class 2 GW
Class 3 GW
Naphthalene
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.005 acres
Plume Average Concentration: 506 µg/L
Plume Mass Indicator: 0.013 lbs

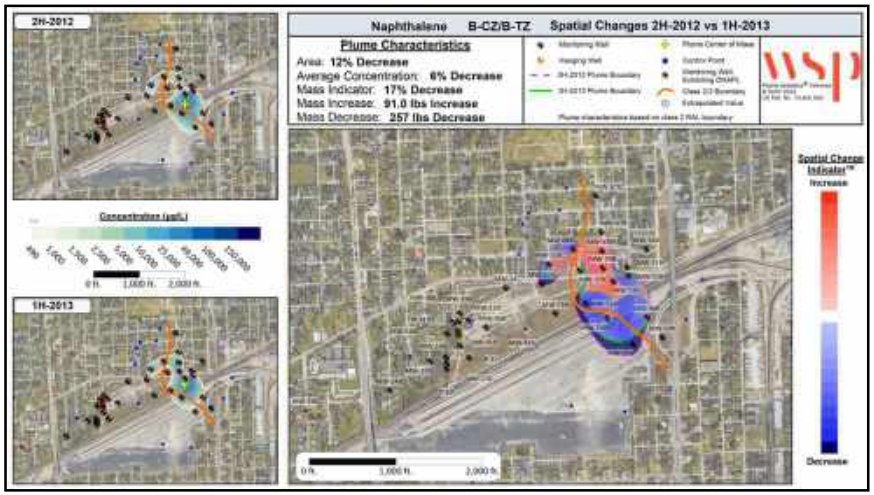
63


Naphthalene Plume Area
(B-TZ)
Naphthalene Plume Average Concentration
(B-TZ)
Naphthalene Plume Mass Indicator
(B-TZ)
E – network expansion
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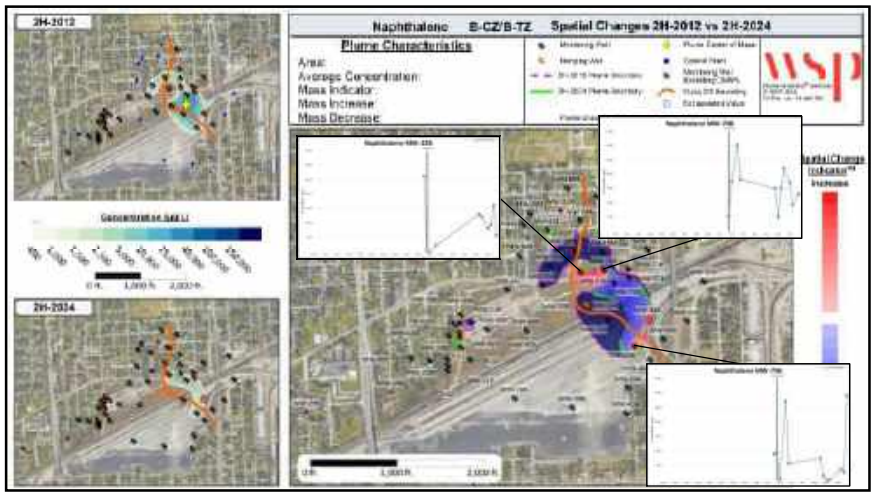
64


Naphthalene
B-CZ/B-TZ
Center of Mass Scale
2012
2024
Class 2 GW
Class 3 GW

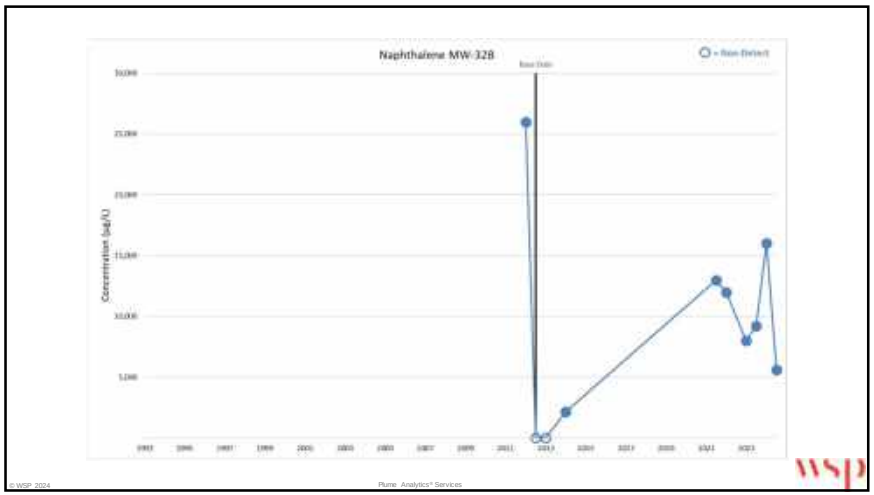
65


2H-2012
1H-2013
Naphthalene B-CZ/B-TZ Spatial Changes 2H-2012 vs 1H-2013
Plume Characteristics
Area: 12% Decrease
Average Concentration: 6% Decrease
Mass Indicator: 17% Decrease
Mass Increase: 91.0 lbs Increase
Mass Decrease: 257 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

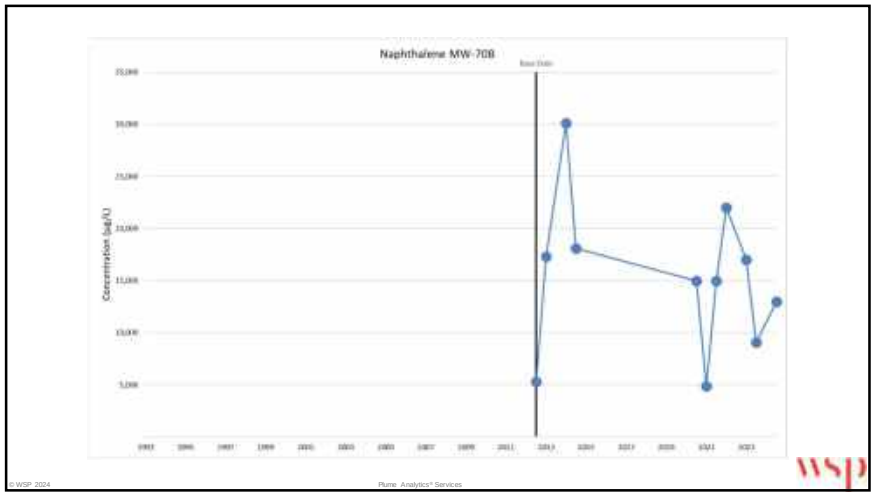
66


2H-2012
2H-2024
Naphthalene B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2024
Plume Characteristics
Area:
Average Concentration:
Mass Indicator:
Mass Increase:
Mass Decrease:
Increase

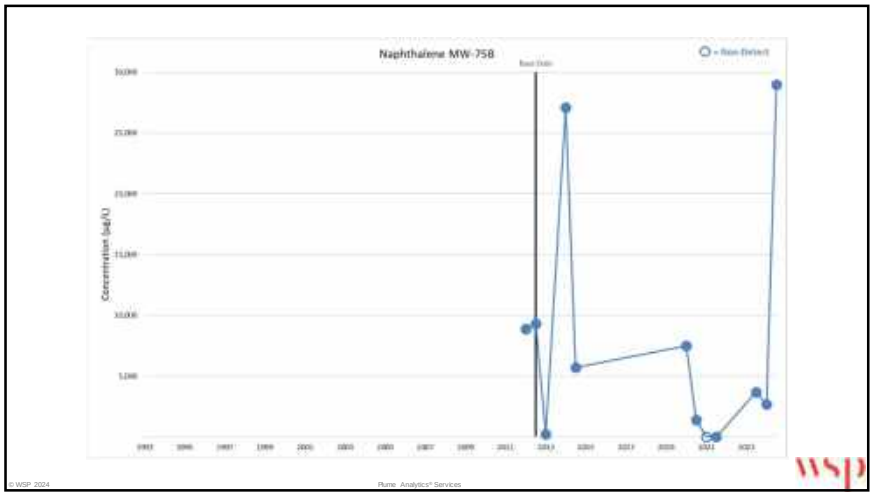
67


Naphthalene MW-328
Concentration (ug/L)

68


Naphthalene MW-70B
Concentration (ug/L)
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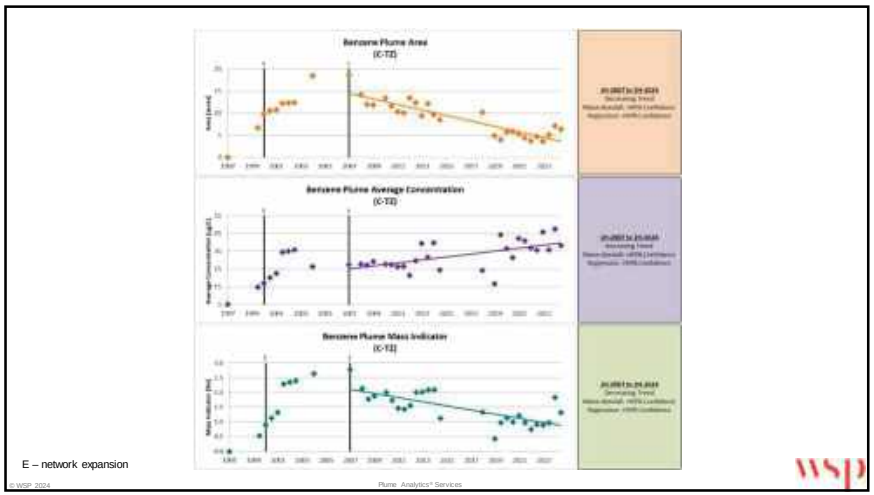
69


Naphthalene MW-75B
Concentration (ug/L)
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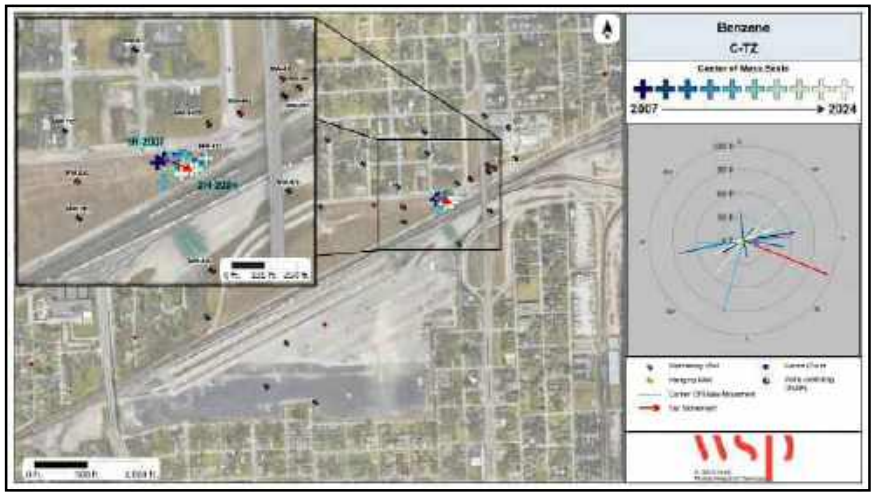
70


Benzene
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 5.0 µg/L
Plume Mass Indicator: 0.000 lbs

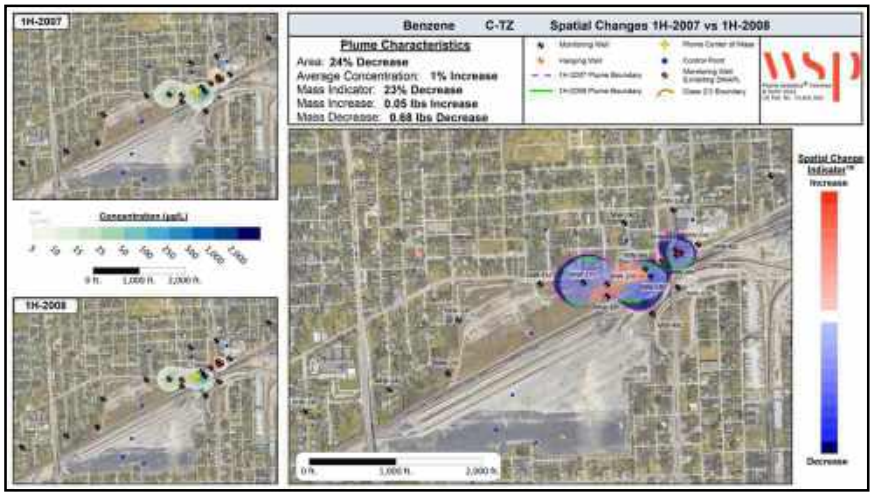
71


Benzene Plume Area
(C-TZ)
Benzene Plume Average Concentration
(C-TZ)
Benzene Plume Mass Indicator
(C-TZ)
E – network expansion
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Benzene
C-TZ
Center of Mass Seeks
2007
2024
1H-2007
1H-2024

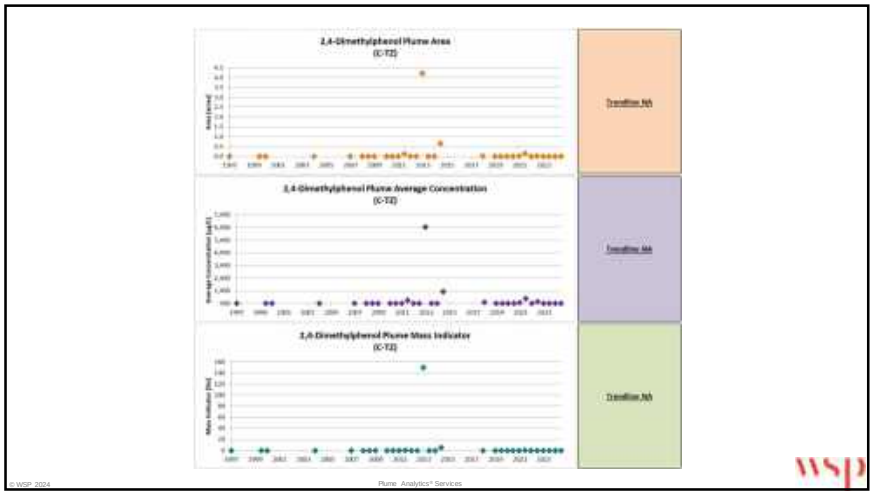
73


1H-2007
Benzene C-TZ Spatial Changes 1H-2007 vs 1H-2008
Plume Characteristics
Area: 24% Decrease
Average Concentration: 1% Increase
Mass Indicator: 23% Decrease
Mass Increase: 0.05 lbs Increase
Mass Decrease: 0.68 lbs Decrease
Concentration (µg/L)
1H-2008
Spatial Change Indicator™
Increase
Decrease

74


2,4-Dimethylphenol
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 490 µg/L
Plume Mass Indicator: 0.000 lbs

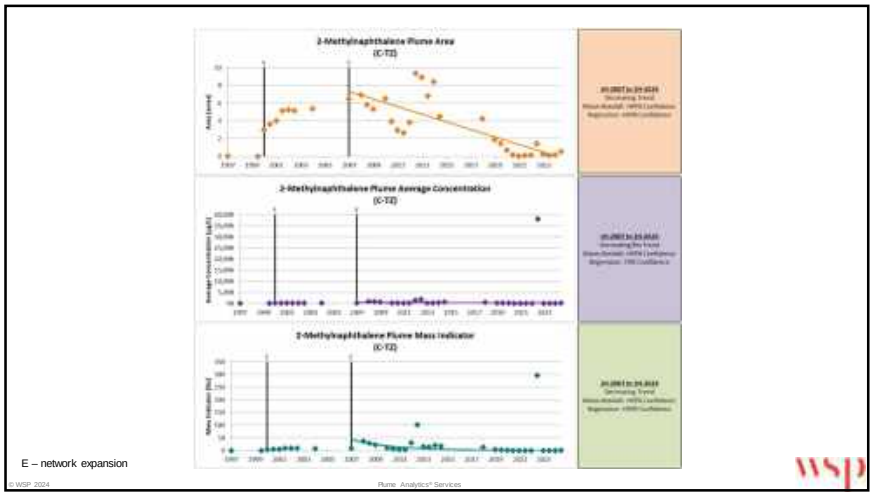
75


2,4-Dimethylphenol Plume Area
(C-TZ)
2,4-Dimethylphenol Plume Average Concentration
(C-TZ)
2,4-Dimethylphenol Plume Mass Indicator
(C-TZ)

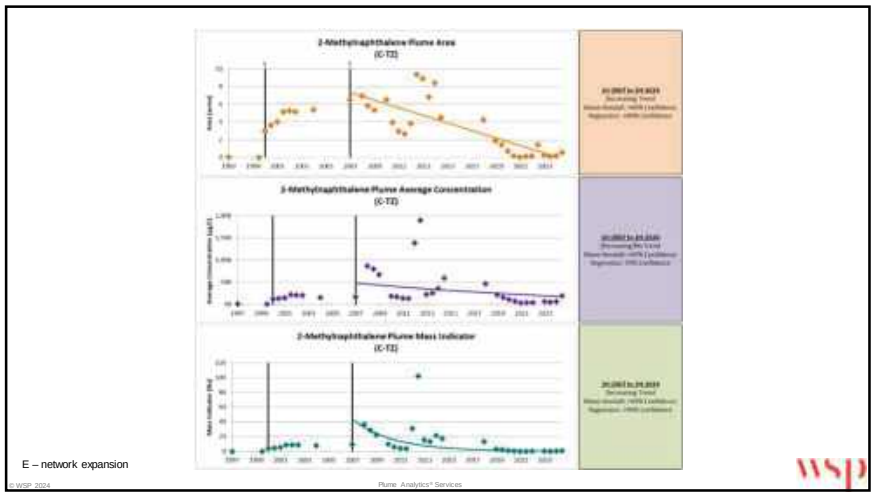
76


2-Methylnaphthalene
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.020 acres
Plume Average Concentration: 106 µg/L
Plume Mass Indicator: 0.011 lbs

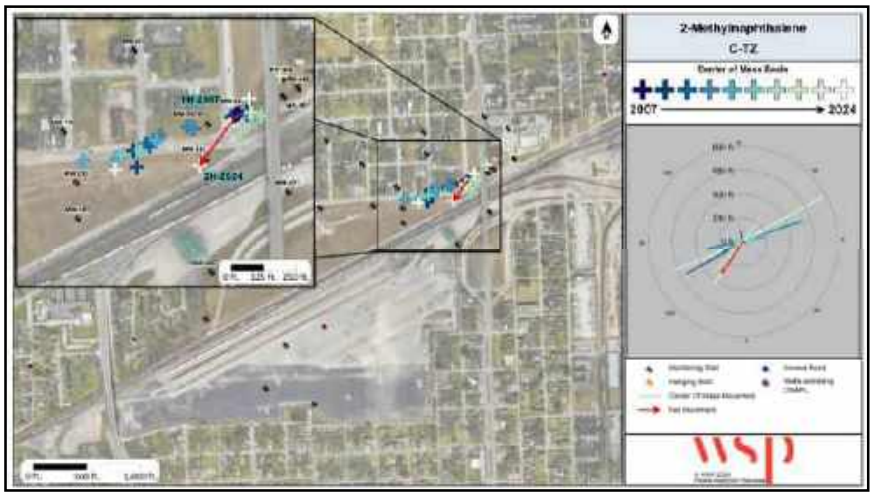
77


2-Methylnaphthalene Plume Area
(C-TZ)
2-Methylnaphthalene Plume Average Concentration
(C-TZ)
2-Methylnaphthalene Plume Mass Indicator
(C-TZ)
E – network expansion

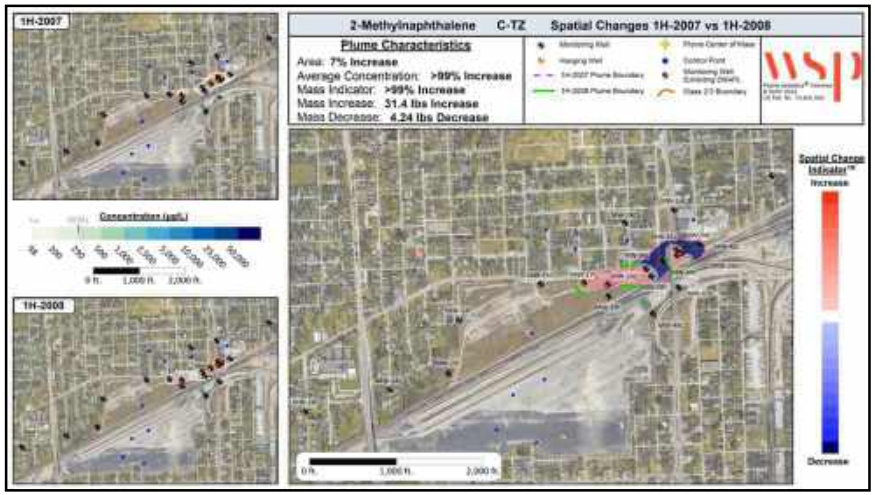
78


2-Methylnaphthalene Plume Area
(C-TZ)
2-Methylnaphthalene Plume Average Concentration
(C-TZ)
2-Methylnaphthalene Plume Mass Indicator
(C-TZ)
E – network expansion

79


2-Methylnaphthalene
C-TZ
Center of Mass Basis
2007
2024
1H-2007
2H-2024

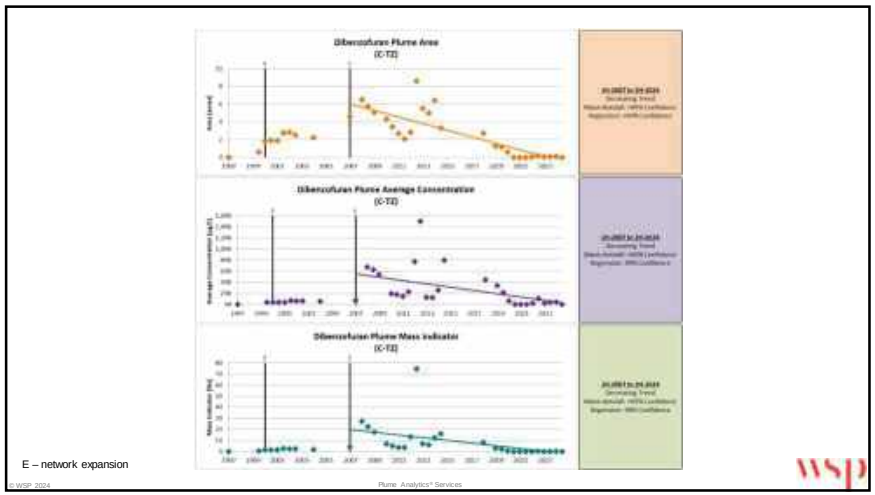
80


1H-2007
2-Methylnaphthalene C-TZ Spatial Changes 1H-2007 vs 1H-2008
Plume Characteristics
Area: 7% Increase
Average Concentration: >99% Increase
Mass Indicator: >99% Increase
Mass Increase: 31.4 lbs Increase
Mass Decrease: 4.24 lbs Decrease
Concentration (µg/L)
1H-2008
Spatial Change Indicator™
Increase
Decrease

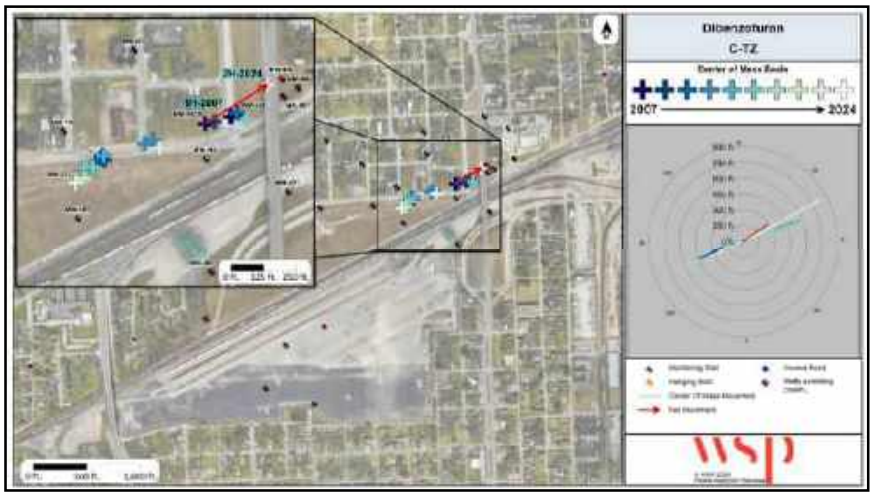
81


Dibenzofuran
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs

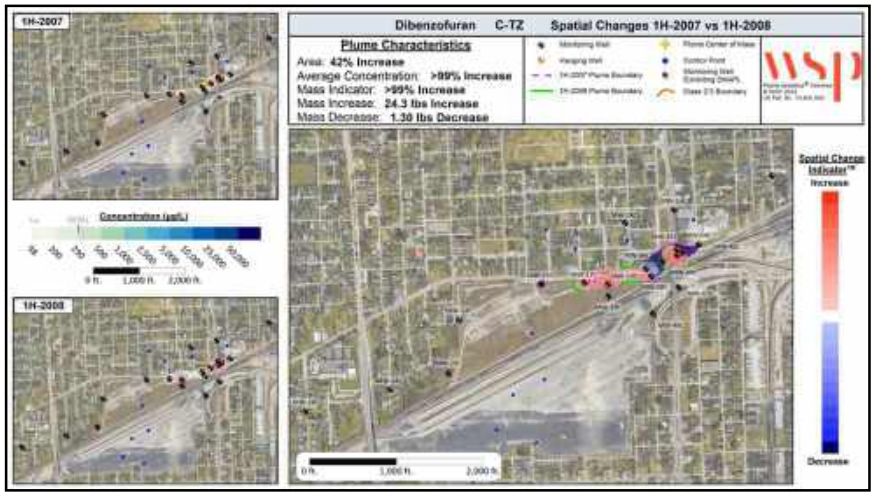
82


Dibenzofuran Plume Area
(C-TZ)
Dibenzofuran Plume Average Concentration
(C-TZ)
Dibenzofuran Plume Mass Indicator
(C-TZ)
E – network expansion

83


Dibenzofuran
C-TZ
Center of Mass Basis
2007
2024

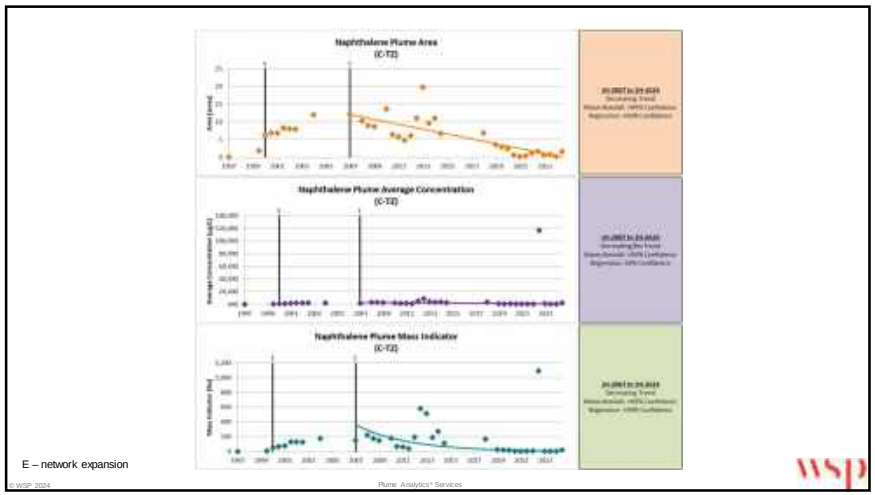
84


1H-2007
1H-2008
Dibenzofuran C-TZ Spatial Changes 1H-2007 vs 1H-2008
Plume Characteristics
Area: 42% Increase
Average Concentration: >99% Increase
Mass Indicator: >99% Increase
Mass Increase: 24.3 lbs Increase
Mass Decrease: 1.30 lbs Decrease
Spatial Change Indicator™
Increase
Decrease

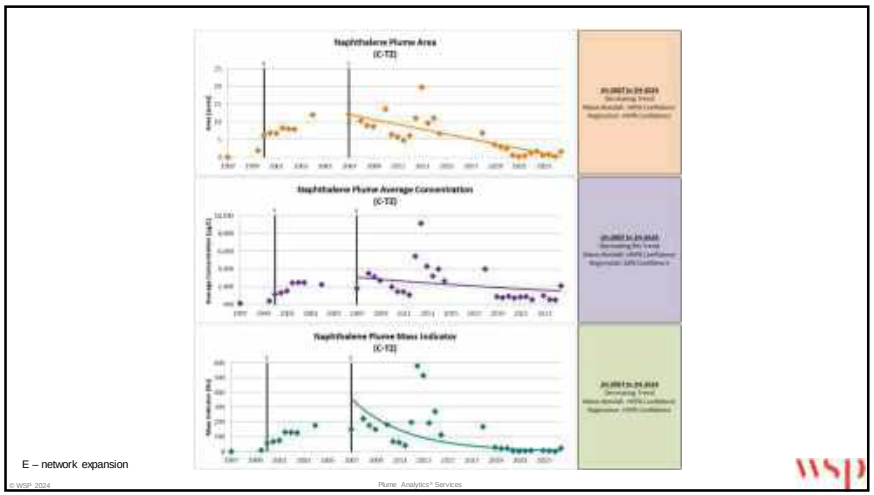
85


Naphthalene
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.082 acres
Plume Average Concentration: 602 µg/L
Plume Mass Indicator: 0.27 lbs

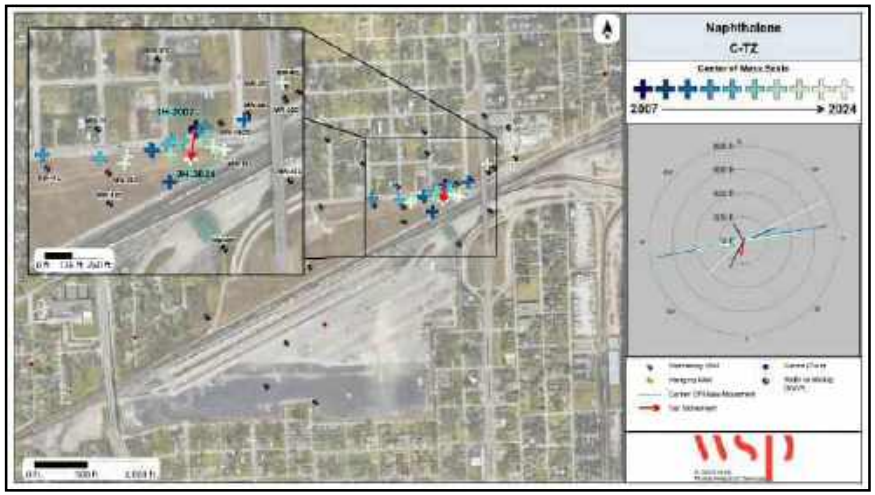
86


Naphthalene Plume Area (C-TZ)
Naphthalene Plume Average Concentration (C-TZ)
Naphthalene Plume Mass Indicator (C-TZ)
E – network expansion

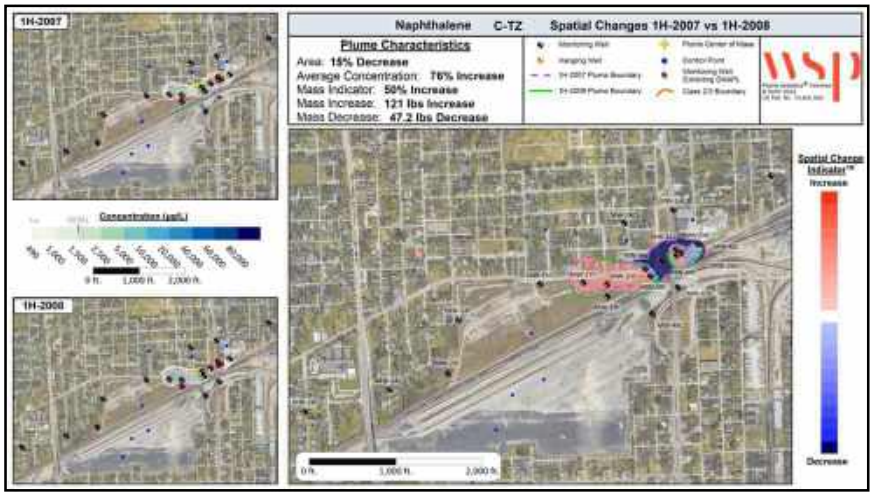
87


Naphthalene Plume Area (C-TZ)
Naphthalene Plume Average Concentration (C-TZ)
Naphthalene Plume Mass Indicator (C-TZ)
E – network expansion

88



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Ricker Method® Spatial Change Indicator Metrics
Benzene - A-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2014	Base Date				
1H-2018	11% Increase	84% Increase	>99% Increase	19.0 lbs	4.82 lbs
1H-2019	17% Decrease	12% Increase	7% Decrease	5.46 lbs	6.41 lbs
2H-2019	23% Decrease	63% Decrease	72% Decrease	0.63 lbs	10.4 lbs
1H-2020	4% Decrease	43% Decrease	45% Decrease	1.59 lbs	7.69 lbs
2H-2020	7% Increase	1% Increase	8% Increase	6.44 lbs	5.37 lbs
1H-2021	9% Decrease	22% Increase	10% Increase	7.37 lbs	5.96 lbs
2H-2021	2% Increase	13% Decrease	12% Decrease	5.98 lbs	7.61 lbs
1H-2022	12% Increase	14% Decrease	4% Decrease	5.19 lbs	5.67 lbs
2H-2022	3% Increase	8% Increase	12% Increase	7.71 lbs	6.09 lbs
1H-2023	7% Decrease	47% Decrease	51% Decrease	2.13 lbs	9.02 lbs
2H-2023	7% Decrease	60% Decrease	62% Decrease	1.08 lbs	9.56 lbs
1H-2024	28% Increase	46% Decrease	31% Decrease	3.38 lbs	7.62 lbs
2H-2024	0% Increase	70% Decrease	70% Decrease	2.02 lbs	11.6 lbs

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Ricker Method® Spatial Change Indicator Metrics
2,4-Dimethylphenol - A-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2014	Base Date				
1H-2018	27% Decrease	>99% Increase	73% Increase	242 lbs	84.9 lbs
1H-2019	63% Decrease	38% Decrease	77% Decrease	1.72 lbs	170 lbs
2H-2019	70% Decrease	55% Decrease	87% Decrease	0.41 lbs	188 lbs
1H-2020	43% Decrease	11% Decrease	49% Decrease	17.7 lbs	125 lbs
2H-2020	55% Decrease	39% Decrease	72% Decrease	8.71 lbs	166 lbs
1H-2021	28% Decrease	17% Increase	15% Decrease	47.3 lbs	81.2 lbs
2H-2021	69% Decrease	11% Decrease	73% Decrease	10.5 lbs	169 lbs
1H-2022	35% Decrease	44% Decrease	64% Decrease	2.56 lbs	141 lbs
2H-2022	39% Decrease	6% Increase	35% Decrease	30.2 lbs	107 lbs
1H-2023	76% Decrease	60% Decrease	90% Decrease	0.01 lbs	197 lbs
2H-2023	98% Decrease	59% Decrease	99% Decrease	0.00 lbs	215 lbs
1H-2024	93% Decrease	63% Decrease	97% Decrease	0.00 lbs	212 lbs
2H-2024	94% Decrease	72% Decrease	98% Decrease	0.00 lbs	214 lbs

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Ricker Method® Spatial Change Indicator Metrics
2-Methylnaphthalene - A-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2014	Base Date				
1H-2018	22% Decrease	41% Decrease	54% Decrease	3.49 lbs	42.4 lbs
2H-2018	35% Decrease	55% Decrease	70% Decrease	0.19 lbs	50.6 lbs
1H-2019	70% Decrease	68% Decrease	91% Decrease	0.00 lbs	64.9 lbs
2H-2019	63% Decrease	68% Decrease	88% Decrease	0.13 lbs	63.4 lbs
1H-2020	61% Decrease	67% Decrease	87% Decrease	0.14 lbs	62.5 lbs
2H-2020	30% Decrease	46% Decrease	62% Decrease	2.58 lbs	47.1 lbs
1H-2021	22% Decrease	40% Decrease	53% Decrease	1.14 lbs	39.4 lbs
2H-2021	37% Decrease	60% Decrease	75% Decrease	0.00 lbs	53.7 lbs
1H-2022	19% Decrease	32% Decrease	45% Decrease	1.93 lbs	34.5 lbs
2H-2022	24% Decrease	38% Decrease	53% Decrease	3.08 lbs	41.1 lbs
1H-2023	54% Decrease	55% Decrease	80% Decrease	0.38 lbs	57.5 lbs
2H-2023	87% Decrease	74% Decrease	97% Decrease	0.00 lbs	69.1 lbs
1H-2024	72% Decrease	75% Decrease	93% Decrease	0.00 lbs	66.6 lbs
2H-2024	84% Decrease	77% Decrease	96% Decrease	0.00 lbs	69.1 lbs

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Ricker Method® Spatial Change Indicator Metrics
Dibenzofuran - A-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2014	Base Date				
1H-2018	40% Decrease	35% Decrease	61% Decrease	1.26 lbs	15.7 lbs
2H-2018	60% Decrease	46% Decrease	79% Decrease	0.23 lbs	18.8 lbs
1H-2019	95% Decrease	57% Decrease	98% Decrease	0.00 lbs	23.1 lbs
2H-2019	87% Decrease	52% Decrease	94% Decrease	0.00 lbs	22.1 lbs
1H-2020	85% Decrease	38% Decrease	90% Decrease	0.02 lbs	21.3 lbs
2H-2020	58% Decrease	48% Decrease	78% Decrease	0.24 lbs	18.7 lbs
1H-2021	39% Decrease	37% Decrease	62% Decrease	0.02 lbs	14.5 lbs
2H-2021	62% Decrease	47% Decrease	80% Decrease	0.21 lbs	19.1 lbs
1H-2022	35% Decrease	1% Increase	34% Decrease	2.45 lbs	10.5 lbs
2H-2022	37% Decrease	38% Decrease	61% Decrease	0.76 lbs	15.2 lbs
1H-2023	80% Decrease	51% Decrease	90% Decrease	0.00 lbs	21.3 lbs
2H-2023	>99% Decrease	60% Decrease	>99% Decrease	0.00 lbs	23.6 lbs
1H-2024	93% Decrease	55% Decrease	97% Decrease	0.02 lbs	22.9 lbs
2H-2024	>99% Decrease	61% Decrease	>99% Decrease	0.00 lbs	23.6 lbs

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Ricker Method® Spatial Change Indicator Metrics
Naphthalene - A-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2014	Base Date				
1H-2018	16% Decrease	25% Decrease	37% Decrease	215 lbs	716 lbs
2H-2018	24% Decrease	48% Decrease	60% Decrease	46.5 lbs	857 lbs
1H-2019	60% Decrease	69% Decrease	88% Decrease	0.00 lbs	1,176 lbs
2H-2019	46% Decrease	72% Decrease	85% Decrease	11.3 lbs	1,153 lbs
1H-2020	38% Decrease	77% Decrease	86% Decrease	11.0 lbs	1,159 lbs
2H-2020	28% Decrease	44% Decrease	60% Decrease	55.3 lbs	857 lbs
1H-2021	16% Decrease	34% Decrease	44% Decrease	115 lbs	709 lbs
2H-2021	26% Decrease	33% Decrease	51% Decrease	119 lbs	802 lbs
1H-2022	8% Decrease	41% Decrease	45% Decrease	60.8 lbs	671 lbs
2H-2022	22% Decrease	30% Decrease	45% Decrease	127 lbs	732 lbs
1H-2023	47% Decrease	64% Decrease	81% Decrease	11.7 lbs	1,095 lbs
2H-2023	68% Decrease	84% Decrease	95% Decrease	0.00 lbs	1,276 lbs
1H-2024	57% Decrease	82% Decrease	92% Decrease	0.00 lbs	1,238 lbs
2H-2024	75% Decrease	88% Decrease	97% Decrease	0.01 lbs	1,301 lbs

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Ricker Method® Spatial Change Indicator Metrics
Benzene - B-CZ/B-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2012	Base Date				
1H-2013	3% Decrease	0% Increase	3% Decrease	15.6 lbs	17.2 lbs
2H-2013	5% Increase	51% Increase	59% Increase	40.5 lbs	4.69 lbs
1H-2014	3% Increase	16% Increase	19% Increase	28.4 lbs	16.9 lbs
2H-2014	7% Increase	50% Increase	60% Increase	42.7 lbs	6.26 lbs
1H-2018	13% Increase	24% Increase	40% Increase	37.4 lbs	13.4 lbs
2H-2018	12% Increase	20% Increase	35% Increase	34.1 lbs	13.0 lbs
1H-2019	5% Increase	17% Increase	23% Increase	26.8 lbs	12.7 lbs
2H-2019	14% Increase	21% Increase	38% Increase	38.8 lbs	15.5 lbs
1H-2020	1% Decrease	3% Decrease	4% Decrease	28.9 lbs	31.2 lbs
2H-2020	7% Increase	46% Increase	56% Increase	52.2 lbs	18.4 lbs
1H-2021	13% Decrease	35% Decrease	44% Decrease	18.6 lbs	45.1 lbs
2H-2021	3% Decrease	8% Increase	5% Increase	35.3 lbs	32.4 lbs
1H-2022	3% Increase	16% Increase	19% Increase	30.6 lbs	19.2 lbs
2H-2022	5% Increase	32% Increase	38% Increase	44.2 lbs	21.1 lbs
1H-2023	26% Decrease	37% Decrease	53% Decrease	14.6 lbs	47.0 lbs
2H-2023	20% Decrease	22% Increase	2% Decrease	42.0 lbs	43.0 lbs
1H-2024	10% Decrease	38% Decrease	44% Decrease	18.7 lbs	45.5 lbs
2H-2024	26% Increase	16% Decrease	6% Increase	25.8 lbs	22.1 lbs

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Ricker Method® Spatial Change Indicator Metrics
2,4-Dimethylphenol - B-CZ/B-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2012	Base Date				
1H-2013	14% Decrease	6% Increase	9% Decrease	314 lbs	484 lbs
2H-2013	18% Increase	>99% Increase	>99% Increase	3,076 lbs	21.0 lbs
1H-2014	23% Increase	>99% Increase	>99% Increase	7,435 lbs	0.68 lbs
2H-2014	6% Increase	>99% Increase	>99% Increase	3,672 lbs	103 lbs
1H-2018	13% Increase	7% Decrease	5% Increase	610 lbs	509 lbs
2H-2018	13% Increase	23% Decrease	13% Decrease	439 lbs	687 lbs
1H-2019	7% Increase	56% Decrease	53% Decrease	270 lbs	1,271 lbs
2H-2019	18% Increase	16% Increase	37% Increase	899 lbs	193 lbs
1H-2020	10% Decrease	59% Decrease	63% Decrease	330 lbs	1,532 lbs
2H-2020	8% Decrease	27% Decrease	33% Decrease	484 lbs	1,110 lbs
1H-2021	39% Decrease	84% Decrease	90% Decrease	76.7 lbs	1,793 lbs
2H-2021	11% Decrease	54% Decrease	59% Decrease	247 lbs	1,369 lbs
1H-2022	8% Decrease	68% Decrease	70% Decrease	128 lbs	1,466 lbs
2H-2022	8% Decrease	36% Decrease	41% Decrease	503 lbs	1,280 lbs
1H-2023	52% Decrease	86% Decrease	93% Decrease	64.6 lbs	1,842 lbs
2H-2023	56% Decrease	87% Decrease	94% Decrease	56.6 lbs	1,848 lbs
1H-2024	57% Decrease	89% Decrease	95% Decrease	28.1 lbs	1,841 lbs
2H-2024	1% Increase	76% Decrease	75% Decrease	111 lbs	1,546 lbs

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Ricker Method® Spatial Change Indicator Metrics
2-Methylnaphthalene - B-CZ/B-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2012	Base Date				
1H-2013	9% Increase	38% Increase	51% Increase	27.1 lbs	3.28 lbs
2H-2013	33% Increase	81% Increase	>99% Increase	66.6 lbs	1.06 lbs
1H-2014	52% Increase	>99% Increase	>99% Increase	168 lbs	1.23 lbs
2H-2014	27% Increase	>99% Increase	>99% Increase	74.1 lbs	0.96 lbs
1H-2018	45% Increase	>99% Increase	>99% Increase	113 lbs	8.05 lbs
2H-2018	35% Increase	92% Increase	>99% Increase	83.0 lbs	9.22 lbs
1H-2019	0% Decrease	53% Increase	53% Increase	46.9 lbs	22.3 lbs
2H-2019	36% Increase	>99% Increase	>99% Increase	101 lbs	6.96 lbs
1H-2020	36% Increase	>99% Increase	>99% Increase	96.1 lbs	6.73 lbs
2H-2020	26% Increase	86% Increase	>99% Increase	81.1 lbs	18.4 lbs
1H-2021	12% Decrease	47% Increase	30% Increase	48.0 lbs	34.1 lbs
2H-2021	27% Increase	18% Increase	50% Increase	34.0 lbs	10.9 lbs
1H-2022	18% Increase	86% Increase	>99% Increase	62.6 lbs	7.31 lbs
2H-2022	46% Increase	>99% Increase	>99% Increase	214 lbs	4.39 lbs
1H-2023	44% Decrease	47% Decrease	70% Decrease	6.94 lbs	39.8 lbs
2H-2023	44% Decrease	51% Decrease	73% Decrease	6.04 lbs	40.0 lbs
1H-2024	3% Increase	24% Decrease	22% Decrease	14.9 lbs	25.0 lbs
2H-2024	4% Increase	33% Increase	38% Increase	36.0 lbs	18.3 lbs

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Ricker Method® Spatial Change Indicator Metrics
Dibenzofuran - B-CZ/B-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2012	Base Date				
1H-2013	6% Decrease	18% Increase	12% Increase	5.47 lbs	3.52 lbs
2H-2013	30% Increase	32% Increase	72% Increase	15.1 lbs	3.08 lbs
1H-2014	74% Increase	>99% Increase	>99% Increase	65.4 lbs	0.45 lbs
2H-2014	30% Increase	41% Increase	84% Increase	16.0 lbs	1.94 lbs
1H-2018	78% Increase	>99% Increase	>99% Increase	63.4 lbs	2.27 lbs
2H-2018	54% Increase	>99% Increase	>99% Increase	47.5 lbs	2.90 lbs
1H-2019	3% Increase	92% Increase	98% Increase	25.2 lbs	8.79 lbs
2H-2019	51% Increase	>99% Increase	>99% Increase	50.0 lbs	3.07 lbs
1H-2020	59% Increase	>99% Increase	>99% Increase	51.7 lbs	1.85 lbs
2H-2020	31% Increase	>99% Increase	>99% Increase	40.0 lbs	7.53 lbs
1H-2021	2% Decrease	77% Increase	74% Increase	23.7 lbs	11.3 lbs
2H-2021	45% Increase	33% Increase	93% Increase	19.4 lbs	3.71 lbs
1H-2022	49% Increase	93% Increase	>99% Increase	34.1 lbs	2.40 lbs
2H-2022	80% Increase	>99% Increase	>99% Increase	111 lbs	0.84 lbs
1H-2023	69% Decrease	42% Decrease	82% Decrease	1.44 lbs	15.2 lbs
2H-2023	66% Decrease	36% Decrease	78% Decrease	2.17 lbs	15.2 lbs
1H-2024	5% Increase	13% Decrease	9% Decrease	5.23 lbs	6.66 lbs
2H-2024	14% Increase	81% Increase	>99% Increase	22.5 lbs	4.69 lbs

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Ricker Method® Spatial Change Indicator Metrics
Naphthalene - B-CZ/B-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
2H-2012	Base Date				
1H-2013	12% Decrease	6% Decrease	17% Decrease	91.0 lbs	257 lbs
2H-2013	27% Increase	38% Increase	75% Increase	750 lbs	22.1 lbs
1H-2014	35% Increase	34% Increase	81% Increase	848 lbs	64.3 lbs
2H-2014	17% Increase	47% Increase	72% Increase	744 lbs	48.1 lbs
1H-2018	26% Increase	33% Increase	68% Increase	757 lbs	103 lbs
2H-2018	20% Increase	3% Decrease	17% Increase	368 lbs	206 lbs
1H-2019	13% Decrease	39% Decrease	47% Decrease	97.6 lbs	552 lbs
2H-2019	32% Increase	12% Decrease	16% Increase	356 lbs	199 lbs
1H-2020	11% Increase	33% Decrease	26% Decrease	206 lbs	453 lbs
2H-2020	23% Increase	20% Decrease	2% Decrease	392 lbs	408 lbs
1H-2021	20% Decrease	56% Decrease	65% Decrease	172 lbs	796 lbs
2H-2021	9% Increase	8% Decrease	0% Increase	404 lbs	401 lbs
1H-2022	4% Increase	28% Increase	33% Increase	510 lbs	185 lbs
2H-2022	7% Increase	9% Increase	17% Increase	372 lbs	205 lbs
1H-2023	45% Decrease	52% Decrease	74% Decrease	153 lbs	867 lbs
2H-2023	48% Decrease	68% Decrease	83% Decrease	79.5 lbs	883 lbs
1H-2024	18% Decrease	49% Decrease	58% Decrease	199 lbs	760 lbs
2H-2024	49% Decrease	70% Decrease	85% Decrease	47.3 lbs	867 lbs

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Ricker Method® Spatial Change Indicator Metrics
Benzene - C-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
1H-2007			Base Date		
1H-2008	24% Decrease	1% Increase	23% Decrease	0.05 lbs	0.68 lbs
2H-2008	36% Decrease	1% Decrease	36% Decrease	0.01 lbs	1.01 lbs
1H-2009	36% Decrease	6% Increase	32% Decrease	0.01 lbs	0.91 lbs
1H-2010	28% Decrease	0% Increase	28% Decrease	0.06 lbs	0.83 lbs
2H-2010	37% Decrease	0% Increase	37% Decrease	0.01 lbs	1.05 lbs
1H-2011	45% Decrease	4% Decrease	47% Decrease	0.00 lbs	1.30 lbs
2H-2011	46% Decrease	4% Decrease	48% Decrease	0.04 lbs	1.37 lbs
1H-2012	28% Decrease	22% Decrease	44% Decrease	0.09 lbs	1.30 lbs
2H-2012	33% Decrease	8% Increase	28% Decrease	0.26 lbs	1.02 lbs
1H-2013	49% Decrease	44% Increase	27% Decrease	0.46 lbs	1.21 lbs
2H-2013	35% Decrease	15% Increase	25% Decrease	0.39 lbs	1.07 lbs
1H-2014	48% Decrease	45% Increase	25% Decrease	0.45 lbs	1.13 lbs
2H-2014	54% Decrease	11% Decrease	60% Decrease	0.02 lbs	1.67 lbs
1H-2018	46% Decrease	12% Decrease	52% Decrease	0.07 lbs	1.50 lbs
1H-2019	74% Decrease	40% Decrease	84% Decrease	0.00 lbs	2.33 lbs
2H-2019	78% Decrease	62% Increase	65% Decrease	0.00 lbs	1.80 lbs
1H-2020	69% Decrease	33% Increase	59% Decrease	0.01 lbs	1.65 lbs
2H-2020	69% Decrease	15% Increase	64% Decrease	0.01 lbs	1.77 lbs
1H-2021	72% Decrease	54% Increase	56% Decrease	0.00 lbs	1.55 lbs
2H-2021	76% Decrease	49% Increase	65% Decrease	0.00 lbs	1.80 lbs
1H-2022	80% Decrease	35% Increase	73% Decrease	0.00 lbs	2.02 lbs
2H-2022	75% Decrease	30% Increase	67% Decrease	0.01 lbs	1.87 lbs
1H-2023	81% Decrease	67% Increase	68% Decrease	0.00 lbs	1.87 lbs
2H-2023	73% Decrease	30% Increase	65% Decrease	0.00 lbs	1.79 lbs
1H-2024	62% Decrease	74% Increase	34% Decrease	0.26 lbs	1.19 lbs
2H-2024	66% Decrease	40% Increase	52% Decrease	0.01 lbs	1.45 lbs

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Ricker Method® Spatial Change Indicator Metrics
2-Methylnaphthalene - C-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
1H-2007			Base Date		
1H-2008	7% Increase	>99% Increase	>99% Increase	31.4 lbs	4.24 lbs
2H-2008	10% Decrease	>99% Increase	>99% Increase	23.3 lbs	4.29 lbs
1H-2009	18% Decrease	>99% Increase	>99% Increase	17.5 lbs	4.59 lbs
1H-2010	1% Increase	7% Increase	8% Increase	7.18 lbs	6.43 lbs
2H-2010	40% Decrease	0% Decrease	40% Decrease	2.98 lbs	6.67 lbs
1H-2011	55% Decrease	10% Decrease	59% Decrease	1.54 lbs	7.05 lbs
2H-2011	59% Decrease	13% Decrease	65% Decrease	1.30 lbs	7.28 lbs
1H-2012	41% Decrease	>99% Increase	>99% Increase	25.7 lbs	4.43 lbs
2H-2012	44% Increase	>99% Increase	>99% Increase	94.4 lbs	2.00 lbs
1H-2013	37% Increase	20% Increase	65% Increase	8.15 lbs	2.20 lbs
2H-2013	5% Increase	32% Increase	39% Increase	5.70 lbs	2.06 lbs
1H-2014	30% Increase	74% Increase	>99% Increase	13.7 lbs	2.00 lbs
2H-2014	31% Decrease	>99% Increase	82% Increase	13.0 lbs	5.40 lbs
1H-2018	35% Decrease	>99% Increase	39% Increase	10.6 lbs	6.93 lbs
1H-2019	71% Decrease	18% Increase	66% Decrease	1.64 lbs	7.74 lbs
2H-2019	78% Decrease	5% Decrease	79% Decrease	0.61 lbs	7.94 lbs
1H-2020	89% Decrease	23% Decrease	91% Decrease	0.05 lbs	8.52 lbs
2H-2020	97% Decrease	35% Decrease	98% Decrease	0.00 lbs	9.11 lbs
1H-2021	>99% Decrease	50% Decrease	>99% Decrease	0.00 lbs	9.25 lbs
2H-2021	99% Decrease	49% Decrease	99% Decrease	0.00 lbs	9.20 lbs
1H-2022	98% Decrease	48% Decrease	99% Decrease	0.00 lbs	9.18 lbs
2H-2022	78% Decrease	>99% Increase	>99% Increase	292 lbs	7.25 lbs
1H-2023	96% Decrease	38% Decrease	98% Decrease	0.00 lbs	9.05 lbs
2H-2023	99% Decrease	45% Decrease	99% Decrease	0.00 lbs	9.20 lbs
1H-2024	97% Decrease	39% Decrease	98% Decrease	0.00 lbs	9.11 lbs
2H-2024	92% Decrease	9% Increase	91% Decrease	0.23 lbs	8.67 lbs

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Ricker Method® Spatial Change Indicator Metrics
Dibenzofuran - C-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
1H-2007			Base Date		
1H-2008	42% Increase	>99% Increase	>99% Increase	24.3 lbs	1.30 lbs
2H-2008	25% Increase	>99% Increase	>99% Increase	19.6 lbs	1.46 lbs
1H-2009	11% Increase	>99% Increase	>99% Increase	15.1 lbs	1.76 lbs
1H-2010	6% Decrease	73% Increase	62% Increase	5.28 lbs	2.65 lbs
2H-2010	25% Decrease	60% Increase	20% Increase	3.64 lbs	2.79 lbs
1H-2011	42% Decrease	44% Increase	16% Decrease	2.30 lbs	3.02 lbs
2H-2011	55% Decrease	90% Increase	14% Decrease	2.75 lbs	3.35 lbs
1H-2012	39% Decrease	>99% Increase	>99% Increase	11.2 lbs	2.11 lbs
2H-2012	87% Increase	>99% Increase	>99% Increase	70.8 lbs	0.70 lbs
1H-2013	20% Increase	34% Increase	61% Increase	3.43 lbs	0.83 lbs
2H-2013	9% Increase	30% Increase	42% Increase	2.79 lbs	1.03 lbs
1H-2014	40% Increase	>99% Increase	>99% Increase	9.47 lbs	1.34 lbs
2H-2014	29% Decrease	>99% Increase	>99% Increase	14.3 lbs	2.69 lbs
1H-2018	41% Decrease	>99% Increase	88% Increase	6.94 lbs	3.16 lbs
1H-2019	72% Decrease	>99% Increase	29% Decrease	2.27 lbs	3.51 lbs
2H-2019	74% Decrease	82% Increase	53% Decrease	1.19 lbs	3.47 lbs
1H-2020	87% Decrease	5% Decrease	87% Decrease	0.18 lbs	3.90 lbs
2H-2020	>99% Decrease	43% Decrease	>99% Decrease	0.00 lbs	4.26 lbs
1H-2021	>99% Decrease	43% Decrease	>99% Decrease	0.00 lbs	4.26 lbs
2H-2021	>99% Decrease	43% Decrease	>99% Decrease	0.00 lbs	4.26 lbs
1H-2022	>99% Decrease	32% Decrease	>99% Decrease	0.00 lbs	4.25 lbs
2H-2022	96% Decrease	18% Increase	95% Decrease	0.05 lbs	4.11 lbs
1H-2023	99% Decrease	32% Decrease	99% Decrease	0.00 lbs	4.22 lbs
2H-2023	99% Decrease	19% Decrease	99% Decrease	0.00 lbs	4.23 lbs
1H-2024	98% Decrease	18% Decrease	98% Decrease	0.00 lbs	4.19 lbs
2H-2024	>99% Decrease	43% Decrease	>99% Decrease	0.00 lbs	4.26 lbs

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Ricker Method® Spatial Change Indicator Metrics
Naphthalene - C-TZ

Event	Area Change (%)	Average Concentration Change (%)	Mass Indicator Change (%)	Mass Increase (lbs)	Mass Decrease (lbs)
1H-2007			Base Date		
1H-2008	15% Decrease	76% Increase	50% Increase	121 lbs	47.2 lbs
2H-2008	25% Decrease	59% Increase	19% Increase	78.7 lbs	51.6 lbs
1H-2009	28% Decrease	41% Increase	1% Increase	58.8 lbs	57.0 lbs
1H-2010	13% Increase	9% Increase	23% Increase	111 lbs	77.3 lbs
2H-2010	47% Decrease	14% Decrease	54% Decrease	7.53 lbs	88.5 lbs
1H-2011	52% Decrease	16% Decrease	59% Decrease	1.70 lbs	89.7 lbs
2H-2011	60% Decrease	31% Decrease	72% Decrease	0.83 lbs	108 lbs
1H-2012	49% Decrease	>99% Increase	32% Increase	135 lbs	87.1 lbs
2H-2012	8% Decrease	>99% Increase	>99% Increase	460 lbs	29.2 lbs
1H-2013	64% Increase	>99% Increase	>99% Increase	395 lbs	31.1 lbs
2H-2013	20% Decrease	62% Increase	29% Increase	78.0 lbs	34.8 lbs
1H-2014	8% Decrease	98% Increase	82% Increase	148 lbs	26.8 lbs
2H-2014	45% Decrease	38% Increase	23% Decrease	47.6 lbs	82.5 lbs
1H-2018	43% Decrease	98% Increase	13% Increase	98.8 lbs	79.5 lbs
1H-2019	71% Decrease	39% Decrease	82% Decrease	0.34 lbs	122 lbs
2H-2019	76% Decrease	45% Decrease	87% Decrease	0.00 lbs	129 lbs
1H-2020	80% Decrease	38% Decrease	87% Decrease	0.29 lbs	130 lbs
2H-2020	95% Decrease	47% Decrease	97% Decrease	0.00 lbs	144 lbs
1H-2021	98% Decrease	41% Decrease	99% Decrease	0.00 lbs	146 lbs
2H-2021	96% Decrease	40% Decrease	98% Decrease	0.00 lbs	145 lbs
1H-2022	90% Decrease	55% Decrease	96% Decrease	0.00 lbs	142 lbs
2H-2022	86% Decrease	>99% Increase	>99% Increase	1,065 lbs	129 lbs
1H-2023	95% Decrease	34% Decrease	97% Decrease	0.00 lbs	143 lbs
2H-2023	93% Decrease	54% Decrease	97% Decrease	0.00 lbs	144 lbs
1H-2024	98% Decrease	56% Decrease	99% Decrease	0.00 lbs	147 lbs
2H-2024	87% Decrease	15% Increase	85% Decrease	5.91 lbs	132 lbs

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Appendix B

UPRR Houston Ricker Method® Input Data

2,4-Dimethylphenol Input Data

	2H-1984	1H-1985	2H-1985	1H-1986	2H-1986	1H-1987	2H-1987	1H-1988	2H-1988	1H-1989	2H-1989	1H-1990	2H-1990	1H-1991	2H-1991	1H-1992	2H-1992
MW-01A	11	10	<10	48	95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	37
MW-02	<10	2,721	250	110	270	99	29	256	260	60	37	320	142	46	<100	<10	11
MW-03	<10	94	82	550	<10	<10	<10	<10	170	100	<10	12	<10	<10	<100	<10	<5
MW-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	<5
MW-05	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	<20	NS (15)	<10	<5
MW-07	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	<20	<100	<10	<5
MW-08	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	NS (20)	<20	<100	<10	<5
MW-09	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-10A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-11A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-12A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-15A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)
MW-25A	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)
MW-26A	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)
MW-27A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-28A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-29A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-36A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-38A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-44A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-51A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-60A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-64A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-68A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-69A	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-88A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-91A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-94A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-95A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-97A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-98A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2,4-Dimethylphenol Input Data

	1H-1993	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	1H-2004	1H-2005	1H-2007
MW-01A	19	22	<10	<10	<10	<10	<10	19	<100	<200	<10	<10	NS (5)	<0.9	<0.1	13	NS
MW-02	<10	<10	<10	<10	<10	<10	<10	<10	16	<10	<10	10	NS (5)	<0.9	<0.1	<0.3	NS (0.3)
MW-03	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	<10	<10	NS (6)	<1	<0.1	<0.3	<0.05
MW-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5)	<0.9	<0.1	<0.3	<0.05
MW-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<1	<0.1	<0.3	<0.2
MW-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5)	<0.9	<0.1	<0.3	NS (0.3)
MW-08	<10	<10	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	NS (5)	<0.9	<0.1	<0.3	NS (0.3)
MW-09	NS (10)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<1	<0.1	<0.3	<0.2
MW-10A	NS (10)	NS (10)	NS (10)	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<1	<0.1	<0.3	NS (0.3)
MW-11A	NS (10)	NS (10)	NS (10)	<10	<10	<10	<10	<10	<100	<10	<10	<10	NS (6)	<1	<0.1	<0.3	NS (0.3)
MW-12A	NA	NA	NA	NA	NA	NA	NA	NA	12	NS (12)	NS (11)	NS (10)	<10	NS (9)	NS (4)	NS (3)	<0.2
MW-13	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8)	NS (6)	NS (3)	<1	NS (0.9)	NS (0.5)	NS (0.4)	<0.2
MW-15A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8)	NS (6)	NS (3)	<1	NS (1)	NS (1)	NS (2)	2
MW-16	NA	NA	NA	NA	NA	NA	NA	NA	29	NS (43)	NS (58)	NS (86)	100	NS (93)	NS (40)	NS (27)	<0.2
MW-17	NA	NA	NA	NA	NA	NA	NA	NA	7,140	NS (6,516)	NS (5,882)	NS (4,624)	4,000	NS (3,731)	NS (1,599)	NS (1,065)	<0.05
MW-18A	NA	NA	NA	NA	NA	NA	NA	NA	9,210	NS (10,956)	NS (12,732)	NS (16,254)	18,000	NS (17,296)	NS (11,710)	NS (10,311)	7,520
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NS (114)	NS (225)	NS (253)	308
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (9)	NS (5)	NS (4)	NS (1)
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<1	NS (0.6)	NS (0.6)	NS (0.4)
MW-25A	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	<0.9	NS (0.4)	NS (0.3)	<0.05
MW-26A	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<1	NS (0.5)	NS (0.3)	<0.05
MW-27A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05
MW-28A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2
MW-29A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,489	NS (6,312)	5,960
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,718	NS (4,173)	5,080
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,865	NS (3,906)	<0.05
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	NS (0.5)	1
MW-35A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2
MW-36A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	0.3
MW-38A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2
MW-44A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	805
MW-50A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05
MW-51A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.05
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-60A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-64A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-68A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-69A	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-88A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-91A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-94A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-95A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-97A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-98A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2,4-Dimethylphenol Input Data

	1H-2008	2H-2008	1H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020
MW-01A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-03	<0.3	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.1)	<0.04	<0.04	<0.04	<0.04
MW-04	<0.3	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.1)	<0.04	<0.04	<0.04	<0.04
MW-05	<0.3	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.08)	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.06	<0.04
MW-07	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-08	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-09	<0.3	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.08)	<0.05	<0.05	<0.05	<0.3	NS (0.3)	NS (0.2)	NS (0.2)	<0.04	<0.04	<0.04	<0.04
MW-10A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-11A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-12A	<0.3	<0.3	<0.08	<0.08	NS (0.09)	0.1	<0.05	<0.05	0.06	<0.3	<0.3	<15	<0.3	<0.04	<0.04	<0.04	<0.04
MW-13	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	NS (0.2)	<0.3	<0.6	<0.3	<0.04	<0.04	<0.06	<0.04
MW-15A	<0.3	0.4	<0.08	<0.08	NS (0.08)	<0.08	<0.05	0.6	0.6	2	<0.3	<15	<0.3	<0.04	<0.04	<0.2	<0.04
MW-16	<0.3	<2	4	5	NS (4)	2	12	0.8	5	<0.3	NS	NS	NS	NS	NS	NS	NS
MW-17	11,700	13,400	2,600	13,000	NS (8,487)	3,900	2,700	3,000	4,000	11,300	3,190	6,750	13,900	7,700	1,900	5,900	<0.04
MW-18A	12,500	2,170	1,900	7,900	NS (8,743)	9,600	11,000	5,800	9,400	11,800	6,290	2,950	8,010	500	5	720	1,800
MW-20A	134	NS (158)	NS (182)	NS (229)	NS (253)	NS (276)	300	76	100	119	NS (114)	NS (110)	NS (105)	72	8	4	2
MW-22A	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	NS (0.1)	NS (0.2)	<0.3	<0.3	NA	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.04	<0.04	<0.04	<0.04
MW-24AR	<0.3	NS (0.2)	<0.08	<0.08	NS (0.08)	<0.08	<0.05	0.1	<0.05	NS (0.2)	<0.3	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-25A	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	3	<0.04	<0.04	<0.04
MW-26A	<0.3	<0.3	0.5	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<15	<0.3	<0.3	<0.3	0.06	<0.04	<0.04	<0.04
MW-27A	<0.4	<0.3	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.1)	<0.04	NS (0.04)	<0.04	<0.04
MW-28A	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<3	<0.3	<0.3	<0.3	12	<0.04	<0.04	<0.04
MW-29A	<0.6	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)
MW-30A	4,100	NS (3,929)	NS (3,756)	NS (3,413)	NS (3,243)	NS (3,070)	2,900	3,000	2,700	2,940	NS	NS	NS	NS	NS	NS	NS
MW-31A	4,740	NS (4,820)	NS (4,901)	NS (5,061)	NS (5,140)	NS (5,221)	5,300	5,100	3,400	4,450	NS	NS	NS	NS	NS	NS	NS
MW-32A	9,570	12,600	2,200	2,100	15,000	2,300	31,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	1	0.06	17	<0.3	<0.3	72	<0.04	0.1	<0.04	<0.04
MW-33A	<0.5	<0.3	<0.08	<0.08	NS (1)	3	5	29	<0.05	20	888	1,540	61	<0.04	<0.04	<0.04	<0.04
MW-35A	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	2	<0.04	<0.04
MW-36A	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.05
MW-38A	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04
MW-44A	<0.3	<0.3	<0.08	<0.08	NS (0.4)	0.8	<0.05	<0.05	<0.05	<3	<3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.4
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.04
MW-49A	25	6,080	6,800	3,700	NS (1,954)	180	3,000	<0.05	37	1,420	903	2,100	1,230	97	<0.04	<0.04	5,700
MW-50A	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	0.08	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.7
MW-51A	<0.3	NS (0.2)	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04
MW-52A	1,540	NS (1,158)	NS (771)	5	NS (5)	NS (5)	5	3	29	48	NS	NS	NS	NS	NS	NS	NS
MW-55A	NA	NA	1,200	280	NS (346)	NS (414)	480	1,800	960	<0.3	956	519	463	NS	NS	NS	NS
MW-57A	NA	NA	1,800	3,000	NS (2,504)	2,000	1,000	1,700	200	1,620	994	7,910	44	NS (14)	NS (5)	<0.6	410
MW-58A	NA	NA	47	610	NS (645)	680	<0.05	1,100	2,400	950	<0.3	<0.3	9,190	2	0.1	<0.04	<0.04
MW-59A	NS (0.08)	NS (0.08)	<0.08	<0.08	NS (0.08)	<0.08	0.07	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04
MW-60A	NS (0.08)	NS (0.08)	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	1	<0.2	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	NA
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.04
MW-61A	NS (0.08)	NS (0.08)	<0.08	<0.08	<0.08	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04
MW-64A	NS (0.08)	NS (0.08)	<0.08	<0.08	<0.08	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04
MW-68A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04
MW-69A	NS (4)	NS (4)	NS (4)	NS (4)	4	<0.08	<0.05	<0.05	0.08	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	NS (0.1)
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<15	15	<0.04	62	55
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,660	NS (4,011)	NS (3,255)	NS (2,881)	2,500
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,110	20,000	2,500	330	6,700
MW-84A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04
MW-88A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04
MW-91A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04
MW-94A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04
MW-95A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04
MW-97A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04
MW-98A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	0.08
TW-56A	NA	NA	NA	2,900	NS (4,193)	NS (5,507)	6,800	4,200	3,800	4,810	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2,4-Dimethylphenol Input Data

	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-01A	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-03	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-05	<0.04	<0.04	<0.04	<0.04	<0.04	0.3	<0.04	<0.2	<0.2
MW-07	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-08	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-09	<0.04	<0.04	0.3	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-10A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-11A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-12A	<0.04	<0.04	<0.04	<0.04	<4	<0.04	<0.04	<0.2	<0.2
MW-13	0.4	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	0.05
MW-15A	<0.04	<0.04	<0.04	3	<0.04	<0.04	<0.04	<0.2	<1
MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	11,000	2,200	850	2,600	4,800	2,600	3,800	2,800	790
MW-18A	7,900	8	1,800	1,800	3,300	490	410	5,000	2,100
MW-20A	10	4	7	<0.04	2	<0.4	<0.04	<0.2	6
MW-22A	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	<0.2
MW-24AR	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-25A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-26A	<0.04	0.2	<0.04	<0.04	<0.04	0.4	<0.04	<0.2	<0.2
MW-27A	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	<0.2
MW-28A	<0.04	<0.04	<0.04	<0.4	<0.04	<0.04	<0.04	<0.2	0.05
MW-29A	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)
MW-30A	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	<0.04	<0.04	0.4	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-33A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.05	<0.2	<0.2
MW-35A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-36A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-38A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-44A	<0.04	<0.04	<0.1	<0.04	<0.4	<0.04	<0.4	<0.2	<0.2
MW-47A	0.2	0.06	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	<0.2
MW-49A	580	2,000	3	350	160	<0.04	400	22	4
MW-50A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-51A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-52A	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	<0.04	58	<0.04	110	29	27	<0.04	2	<0.2
MW-58A	0.7	0.2	0.2	12	<0.04	0.2	<0.04	18	19
MW-59A	0.2	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.2	<0.2
MW-60A	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60AR	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	<0.2	<0.2
MW-61A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-64A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-68A	0.2	<0.04	<0.04	<0.04	0.1	<0.04	<0.4	<0.2	<0.2
MW-69A	0.2	<0.04	<0.04	26	<0.04	2	<0.04	<0.2	<0.2
MW-77A	1	41	9	27	<0.4	1	3	1	7
MW-78A	930	4,600	81	1,900	3,300	3,400	980	290	990
MW-79A	1,200	7,200	14,000	1,900	6,800	530	10	520	330
MW-84A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	<0.2
MW-88A	0.3	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	<0.2	<0.2
MW-91A	<0.04	0.3	<0.04	<0.04	<0.04	0.5	<0.04	<0.2	<0.2
MW-94A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-95A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.3	<0.2	<0.2
MW-97A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-98A	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
TW-56A	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene Input Data

	1H-1988	2H-1988	2H-1990	1H-1991	2H-1991	1H-1992	2H-1992	1H-1993	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002
MW-01A	1,680	<10	780	<10	<100 (10)	<10	325	300	220	120	140	160	66	57	669	270	<200 (156)	41	28	NS (25)	22	360	12	<0.3	33
MW-02	1,300	16	940	<10	<100 (10)	<10	12	21	73	<10	11	<10	120	<10	<10	<10	<10	<10	10	NS (5)	0.4	5	0.9	1	0.6
MW-03	1,370	520	80	<10	<100 (10)	<10	11	40	21	<10	17	29	<10	<10	<10	<100 (10)	<10	<10	<10	NS (6)	<2	<0.3	<0.3	<0.3	<0.3
MW-04	72	<10	52	28	<100 (19)	<10	89	110	<10	<10	33	<10	55	14	21	<10	<10	<10	<10	NS (5)	<0.4	<0.2	<0.3	<0.3	<0.2
MW-05	NS (10)	NS (10)	<10	<20	NS (15)	<10	36	45	<10	<10	<10	<10	13	<10	25	<10	<10	<10	<10	NS (6)	<2	<0.3	<0.3	<0.3	<0.3
MW-07	NA	NA	NA	48	<100 (29)	<10	<5	16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5)	<0.4	<0.3	<0.3	<0.3	<0.3
MW-08	NA	NA	NA	<20	<100 (39)	59	<5	<10	<10	10	<10	<10	<10	<10	<10	110	<10	16	42	NS (21)	<0.4	<0.3	<0.3	<0.3	<0.2
MW-09	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<2	<0.3	<0.3	<0.3	<0.3
MW-10A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	126	25	<10	<10	24	<10	<10	<10	<10	NS (5)	0.2	<0.3	<0.3	<0.3	<0.3
MW-11A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	91	65	46	<10	59	<100 (35)	11	<10	17	NS (10)	2	1	14	140	27
MW-12A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	397	NS (417)	NS (438)	NS (480)	500	NS (445)	390	670	550	690
MW-13	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8)	NS (6)	NS (3)	<1	NS (0.6)	<0.3	<0.3	<0.2	<0.2
MW-15A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	138	NS (150)	NS (163)	NS (188)	200	NS (336)	470	930	310	180
MW-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39	NS (91)	NS (144)	NS (248)	300	NS (225)	150	40	170	77
MW-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	711	NS (768)	NS (827)	NS (943)	1,000	NS (976)	NS (952)	NS (927)	NS (903)	NS (879)
MW-18A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	617	NS (653)	NS (690)	NS (764)	800	NS (860)	920	1,500	960	1,200
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600	NS (761)	920	390	860	720
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (5)	<0.2	0.6	<0.2	<0.3
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	<2	<0.2	<0.3	<0.3	<0.3
MW-25A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	<0.4	4	10	4	<0.2
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24	0.3	0.5	<0.3	<0.2
MW-27A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3
MW-28A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.2	<0.3
MW-29A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	<0.2
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)
MW-36A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)
MW-38A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-51A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59A	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-60A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-64A	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)
MW-68A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-88A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-91A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-94A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-95A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-97A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene Input Data

	2H-2002	1H-2004	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019
MW-01A	2	5	88	56	2	21	0.3	<1	0.6	11	7	2	2	3	<0.9	7	<0.5	12	1	39	15	9	0.2	0.2	0.2
MW-02	0.4	2	0.1	<0.07	0.5	0.6	<0.08	2	<0.4	<0.4	<0.8	3	<0.9	<0.9	<0.9	2	<0.5	<0.5	3	0.9	<0.06	0.5	5	0.4	<0.02
MW-03	0.07	<0.07	2	NS (1)	NS (0.9)	NS (0.5)	<0.08	NS (0.2)	<0.4	NS (0.4)	NS (0.4)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.02	NS (0.02)	<0.02
MW-04	<0.07	<0.07	<0.07	NS (0.07)	NS (0.08)	NS (0.08)	<0.08	NS (0.2)	<0.4	NS (0.4)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	0.08	NS (0.05)	<0.02
MW-05	0.09	<0.07	<0.07	NS (0.08)	NS (0.09)	NS (0.09)	0.1	NS (0.2)	<0.4	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.10)	<0.05	0.09	<0.05	0.5	<0.07	0.2	<0.07	<0.02	NS (0.02)	<0.02
MW-07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	<1	<0.4	<0.4	<0.8	<0.9	<0.9	<0.9	<0.9	<0.5	<0.5	<0.5	<0.07	<0.07	NS (0.07)	<0.07	<0.02	<0.02	<0.02
MW-08	<0.07	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	<1	<0.4	<0.4	<0.8	<0.9	<0.9	<0.9	<0.9	<0.5	<0.5	<0.5	<0.07	<0.07	<0.06	<0.07	<0.02	<0.02	<0.02
MW-09	<0.07	<0.07	<0.07	NS (0.07)	NS (0.07)	NS (0.06)	<0.06	NS (0.2)	<0.4	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.10)	<0.05	<0.05	<0.05	0.1	NS (0.1)	NS (0.10)	NS (0.09)	<0.02	NS (0.02)	<0.02
MW-10A	<0.07	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	<1	<0.4	<0.4	<0.8	<0.9	<0.9	<0.9	<0.9	<0.5	<0.5	<0.5	<0.07	2	<0.06	3	<0.02	<0.02	<0.02
MW-11A	73	<0.07	2	0.2	<0.07	<0.08	<0.08	<1	<0.4	<0.4	<0.8	<0.9	<0.9	<0.9	<0.9	<0.5	<0.5	<0.5	<0.07	<0.07	<0.06	<0.07	<0.02	<0.02	<0.02
MW-12A	370	NS (308)	NS (266)	NS (245)	NS (224)	NS (204)	183	NS (179)	174	332	220	NS (185)	150	NS (92)	33	14	61	170	48	306	39	121	67	NS (34)	<0.02
MW-13	<0.07	NS (0.07)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.2)	<0.4	<0.4	<0.07	NS (0.4)	0.8	NS (0.4)	0.08	0.3	<0.05	0.06	<0.07	<0.07	0.1	<0.7	<0.02	NS (0.02)	<0.02
MW-15A	240	NS (163)	NS (112)	NS (87)	NS (61)	NS (36)	10	NS (11)	13	100	44	NS (43)	42	NS (40)	38	140	1	46	10	124	48	59	8	NS (9)	10
MW-16	140	NS (146)	NS (150)	NS (152)	NS (154)	NS (156)	158	NS (117)	75	175	130	NS (105)	79	NS (59)	38	82	34	45	47	NS	NS	NS	NS	NS	NS
MW-17	NS (855)	NS (782)	NS (734)	NS (710)	NS (685)	NS (661)	637	NS (529)	420	582	270	NS (414)	560	NS (763)	970	750	290	510	1,240	1,040	857	636	380	NS (306)	230
MW-18A	880	NS (733)	NS (635)	NS (586)	NS (537)	NS (488)	439	NS (493)	548	594	420	NS (410)	400	NS (420)	440	700	230	640	745	819	996	589	340	NS (221)	100
MW-20A	840	NS (758)	NS (703)	NS (675)	NS (648)	NS (621)	593	NS (400)	204	NS (235)	NS (266)	NS (297)	NS (328)	NS (358)	NS (389)	420	64	360	191	NS (189)	NS (187)	NS (185)	170	NS (120)	69
MW-22A	<0.07	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.4)	<0.4	<0.4	<0.07	NS (0.07)	<0.07	NS (0.4)	0.7	<0.05	<0.05	<0.6	NS (0.4)	NS (0.2)	<0.07	6	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.02	NS (0.02)	<0.02
MW-24AR	<0.07	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.4)	<0.4	NS (0.2)	<0.07	NS (0.1)	0.2	NS (0.2)	0.2	<0.05	<0.05	<0.05	<0.07	<0.07	0.09	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)
MW-25A	0.6	NS (0.4)	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.1)	<0.08	NS (0.2)	<0.4	<0.4	24	NS (12)	<0.07	NS (0.07)	<0.07	<0.05	<0.05	<0.06	<0.07	<0.07	<0.07	<0.07	690	NS (348)	<0.05
MW-26A	<0.07	NS (0.2)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.4)	0.4	NS (0.4)	<0.4	<0.4	2	NS (1)	<0.07	NS (0.2)	0.3	0.4	<0.05	0.06	<3	0.4	<0.07	<0.07	0.05	NS (0.07)	<0.09
MW-27A	<0.07	NS (0.07)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.3)	<0.6	<0.4	NS (0.4)	NS (0.4)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.02	NS (0.1)	NS (0.2)
MW-28A	<0.07	NS (0.07)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.2)	<0.4	<0.4	<0.07	NS (0.07)	<0.07	NS (0.4)	0.6	<0.05	<0.07	0.2	<0.7	<0.07	<0.07	<0.07	1	NS (0.5)	<0.06
MW-29A	<0.07	NS (0.07)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.4)	<0.8	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)
MW-30A	NA	1,378	NS (1,233)	NS (1,161)	NS (1,088)	NS (1,016)	943	NS (760)	573	NS (612)	NS (652)	NS (692)	NS (732)	NS (771)	NS (811)	850	420	670	1,010	NS	NS	NS	NS	NS	NS
MW-31A	NA	473	NS (597)	NS (658)	NS (720)	NS (782)	844	NS (865)	887	NS (903)	NS (919)	NS (935)	NS (952)	NS (968)	NS (984)	1,000	650	830	1,170	NS	NS	NS	NS	NS	NS
MW-32A	NA	1,896	NS (1,266)	NS (955)	NS (638)	NS (327)	11	NS (566)	1,130	989	1,200	NS (754)	300	480	6,900	950	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.09	0.2	11	<0.07	0.2	206	7	NS (3)	<0.02
MW-33A	NA	10	NS (14)	NS (17)	NS (19)	NS (21)	24	NS (12)	<0.7	<0.4	0.7	NS (0.8)	0.9	NS (4)	7	31	30	2	15	195	270	52	<0.02	NS (0.02)	<0.02
MW-35A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.2)	<0.4	<0.4	<0.07	NS (0.3)	0.6	NS (0.3)	<0.07	<0.05	<0.05	6	0.2	<0.07	0.4	0.2	2	NS (9)	16
MW-36A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.2)	<0.4	<0.4	<0.07	NS (0.2)	0.3	NS (0.2)	<0.07	<0.05	<0.05	<0.05	<0.07	<0.07	<0.07	<0.2	0.02	NS (0.02)	<0.02
MW-38A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.2)	<0.4	<0.4	0.4	NS (0.3)	0.2	NS (0.1)	0.09	<0.05	<0.05	<0.3	<0.07	0.1	<0.07	<0.07	0.1	NS (0.10)	0.06
MW-44A	NA	NA	NA	NA	NA	NA	6	NS (15)	24	8	1	NS (2)	4	NS (2)	<0.07	2	5	10	<0.7	109	11	9	<0.02	NS (0.02)	<0.02
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	442	NS (257)	69	492	600	NS (521)	440	NS (286)	130	270	<0.05	<0.05	218	216	267	293	8	NS (4)	<0.02
MW-50A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.2)	<0.4	<0.4	<0.07	NS (0.07)	<0.07	NS (0.1)	0.2	<0.05	<0.05	4	0.1	<0.07	0.3	<0.07	<0.02	NS (0.02)	<0.02
MW-51A	NA	NA	NA	NA	NA	NA	0.08	NS (0.2)	<0.4	NS (0.2)	<0.07	NS (0.10)	0.1	NS (0.1)	<0.07	<0.05	<0.05	<0.05	<0.07	<0.07	<0.07	<0.07	0.07	NS (0.04)	<0.02
MW-52A	NA	NA	NA	NA	NA	NA	964	NS (947)	929	NS (832)	NS (734)	NS (638)	540	NS (470)	NS (400)	330	96	160	165	NS	NS	NS	NS	NS	NS
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	630	NS (511)	390	NS (370)	NS (350)	330	250	310	<0.07	468	463	486	NS	NS	NS
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	730	NS (2,104)	3,500	NS (3,500)	3,500	13,000	1,900	3,100	13,900	1,500	8,240	616	NS (317)	NS (275)	NS (232)
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220	NS (215)	210	NS (134)	57	<0.05	82	8	243	<0.07	<0.07	373	140	NS (71)	0.07
MW-59A	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07	NS (0.1)	0.2	NS (1.0)	2	<0.05	<0.05	<0.05	<0.07	<0.07	<0.09	<0.07	0.1	NS (0.06)	<0.02
MW-60A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	0.3	NS (0.2)	<0.07	NS (0.07)	<0.07	<0.05	<0.05	2	0.6	<0.07	0.1	0.5	<0.02	NS (0.02)	<0.02
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	0.4	NS (0.2)	<0.07	<0.07	<0.07	<0.05	<0.05	<0.05	<0.07	<0.07	<0.07	<0.07	<0.02	NS (0.02)	<0.02
MW-64A	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	0.1	NS (0.1)	<0.07	<0.07	<0.07	<0.05	0.05	<0.05	<0.07	<0.07	<0.07	<0.07	<0.02	NS (0.02)	<0.02
MW-68A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.03
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	0.07	<0.05	<0.05	0.9	<0.07	<0.07	<0.07	<0.07	<0.02	NS (0.02)	<0.02
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	57	280	NS (141)	<0.02
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	879	NS (402)	NS (335)	NS (266)
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	654	440	NS (271)	100
MW-84A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-88A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-91A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-94A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-95A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-97A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	NS (153)	NS (157)	160	110	52	123	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene Input Data

	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-01A	0.7	0.2	2	<0.02	4	0.1	6	<0.02	14	0.4	25
MW-02	0.1	<0.02	0.8	<0.02	<0.02	<0.02	0.8	0.07	0.3	0.1	2
MW-03	<0.04	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.05
MW-04	<0.06	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-05	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.1	<0.1
MW-07	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-08	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	0.04
MW-09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.1	0.03
MW-10A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	<0.02	0.04	<0.1	0.9
MW-11A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	<0.02	<0.1	0.2
MW-12A	13	2	12	13	41	18	60	7	26	3	18
MW-13	0.08	0.05	0.4	<0.02	<0.02	<0.02	0.08	<0.02	<0.02	<0.1	<0.1
MW-15A	8	18	14	13	20	4	0.2	53	13	21	76
MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	390	<0.02	620	210	94	290	370	330	330	250	190
MW-18A	470	360	540	450	280	440	400	490	140	140	150
MW-20A	72	75	230	80	190	94	250	210	110	100	130
MW-22A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.8	<0.02	<0.2	<0.1	<0.1
MW-24AR	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)
MW-25A	0.06	<0.02	0.2	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1
MW-26A	0.06	<0.04	<0.02	<0.09	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-27A	0.3	<0.02	NS (0.06)	NS (0.10)	0.1	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-28A	0.2	<0.02	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.02	<0.1	<0.1
MW-29A	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)
MW-30A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	<0.02	<0.03	0.09	<0.02	0.4	<0.02	0.2	<0.02	2	<0.1	0.2
MW-33A	<0.02	<0.06	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	<0.02	<0.1	0.03
MW-35A	0.1	<0.02	0.09	<0.03	0.5	0.7	0.08	<0.02	0.07	0.1	0.2
MW-36A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	0.5	<0.1
MW-38A	<0.02	0.2	<0.02	<0.02	<0.02	<0.02	<0.4	0.06	<0.02	0.2	<0.1
MW-44A	<0.02	<0.4	<0.02	<0.02	0.6	0.03	<0.2	<0.02	<0.2	<0.1	0.05
MW-47A	NA	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-49A	<0.02	130	95	170	41	130	160	<0.02	49	140	6
MW-50A	<0.02	<0.2	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-51A	0.07	<0.04	<0.02	0.06	<0.02	0.1	<0.02	<0.02	<0.02	<0.1	<0.1
MW-52A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	190	180	150	180	110	2,000	150	90	3	5	10
MW-58A	15	80	48	22	6	27	9	6	4	3	0.3
MW-59A	0.04	<0.2	<0.02	<0.02	<0.02	0.07	<0.02	0.05	<0.02	<0.1	<0.1
MW-60A	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60AR	NA	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.1	<0.1
MW-61A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-64A	<0.02	0.4	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.1	<0.1
MW-68A	0.1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-69A	<0.02	NS (0.02)	<0.02	<0.02	0.2	24	0.08	0.3	<0.02	<0.1	0.04
MW-77A	200	220	2	280	82	150	63	70	40	18	40
MW-78A	NS (199)	130	440	460	200	320	580	560	260	160	230
MW-79A	51	430	70	340	290	100	180	73	3	36	8
MW-84A	NS (0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	0.6	<0.1
MW-88A	NS (0.02)	<0.02	0.5	<0.02	<0.02	0.07	<0.02	<0.02	<0.02	<0.1	<0.1
MW-91A	NS (0.02)	<0.02	<0.02	11	<0.02	<0.02	<0.02	0.3	<0.02	<0.1	0.7
MW-94A	NS (0.02)	<0.02	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-95A	NS (0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.5	<0.1	<0.1
MW-97A	NS (0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	0.5	<0.02	<0.02	<0.1	<0.1
MW-98A	NS (0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
TW-56A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Benzene A-TZ Input Data

	2H-1984	1H-1985	2H-1985	1H-1986	2H-1986	1H-1987	2H-1987	1H-1988	2H-1988	1H-1989	2H-1989	1H-1990	2H-1990	1H-1991	2H-1991	1H-1992	2H-1992	1H-1993	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996
MW-01A	16	37	201	9	<1	7	8	7	14	20	4	<1	12	4	<10 (6)	<5	10	6	7	<5	<5	<5	<5	<5	9
MW-02	19	2	692	80	223	55	29	111	50	80	45	27	23	33	<10	<5	6	<5	<5 (5)	<5 (4)	<5 (4)	<5 (4)	<5 (3)	<5 (3)	<5 (3)
MW-03	17	<1	44	12	150	<1	5	14	<1	30	15	9	<1	26	<10	<5	6	<5	<5 (5)	<5 (4)	<5 (4)	<5 (4)	<5 (3)	<5 (3)	<5 (3)
MW-04	13	41	14	70	<1	219	24	31	<1	2	<1	<1	<1	4	<10 (5)	<5	<5	<5	<5	<5	12	<5	<5 (5)	<5 (4)	<5 (4)
MW-05	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<5 (1)	<1	NS (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)
MW-07	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	3	<10 (3)	<5 (3)	<5 (3)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)
MW-08	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	2	<10 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (3)	<5 (3)	<5 (3)	<5 (3)	<5 (3)	<5 (3)	<5 (3)
MW-09	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)
MW-10A	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)
MW-11A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5 (3)	<5 (3)	<5 (3)	<5 (3)	<5 (3)
MW-12A	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)
MW-13	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-15A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22A	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)
MW-25A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-27A	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)
MW-28A	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)
MW-29A	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)
MW-36A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)
MW-38A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-51A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-60A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-64A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-68A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-69A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-88A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-91A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-94A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-95A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-97A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-98A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Benzene A-TZ Input Data

	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2005	1H-2007	1H-2008	2H-2008	1H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013
MW-01A	11	15	11	124	NS (64)	2	2	1	<2	<2	<2	<1	4	NS (2)	NS (0.8)	<0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	<5 (2)	<5 (2)	<5 (2)	1	NS (0.7)	<0.4	4	<0.8	<2	<2	<2	<1	<1	NS (0.8)	NS (0.4)	<0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-03	<5 (2)	<5 (2)	<5 (2)	<1	NS (0.9)	<5 (0.9)	<0.8	<0.8	<2	<2	<2	<1	<1	<3	<0.3	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-04	<5 (3)	<5 (3)	<5 (2)	<1	NS (0.7)	<0.4	<0.8	<0.8	<2	<2	<2	<1	<1	<3	<0.3	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-05	<5 (1)	<5 (1)	<5 (1)	<1	NS (0.9)	<5 (0.9)	<0.8	<0.8	<2	<2	<2	<1	<1	<3	<0.3	NS (0.4)	NS (0.5)	NS (0.7)	NS (0.8)	NS (0.9)	<1	<1	<0.5	<0.08	<0.08
MW-07	<5 (1)	<5 (1)	<5 (1)	<1	NS (0.7)	<0.4	<0.8	<0.8	<2	<2	<2	<1	<1	NS (0.8)	NS (0.4)	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-08	<5 (3)	<5 (4)	<5 (4)	4	NS (2)	<0.4	<0.8	<0.8	<2	<2	<2	<1	<1	NS (1)	NS (1)	<1	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)
MW-09	<5 (1)	<5 (1)	<5 (1)	<1	NS (0.9)	<5 (0.9)	<0.8	<0.8	<2	<2	<2	<1	<1	<3	<0.3	NS (0.4)	NS (0.5)	NS (0.7)	NS (0.8)	NS (0.9)	<1	<1	<0.5	<0.08	NS (0.09)
MW-10A	<5 (1)	<5 (1)	<5 (1)	<1	NS (0.9)	<5 (0.9)	<0.8	<0.8	<2	<2	<2	<1	<1	NS (0.8)	NS (0.4)	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-11A	<5 (3)	<5 (3)	<5 (3)	18	NS (11)	3	1	3	3	2	2	<1	<1	NS (0.8)	NS (0.4)	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-12A	<5 (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	<5 (0.8)	NS (0.8)	<0.8	1	<2	2	2	NS (2)	NS (2)	<3	<0.3	<0.3	0.7	<0.5	NS (0.5)	<0.5	<1	<1	<3	0.2	0.1
MW-13	<5 (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	<0.4	NS (0.6)	<0.8	<0.8	<2	<2	<2	NS (2)	NS (2)	<3	<0.3	<0.3	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-15A	7	NS (6)	NS (5)	NS (4)	3	NS (4)	4	4	3	3	3	NS (3)	NS (3)	<3	2	<0.3	2	2	NS (1)	0.7	2	1	2	2	1
MW-16	10	NS (48)	NS (86)	NS (162)	200	NS (127)	55	5	72	13	44	NS (44)	NS (44)	44	38	110	48	58	NS (42)	25	68	25	56	38	NS
MW-17	580	NS (505)	NS (428)	NS (275)	200	NS (220)	NS (239)	NS (259)	NS (278)	NS (298)	NS (318)	NS (376)	NS (416)	494	545	448	650	650	NS (481)	310	450	240	460	435	174
MW-18A	700	NS (680)	NS (660)	NS (620)	600	NS (1,052)	1,500	490	570	970	530	NS (474)	NS (437)	362	503	321	480	510	NS (530)	550	590	280	680	636	491
MW-20A	NA	NA	NA	NA	30	NS (28)	26	22	48	48	47	NS (56)	NS (62)	74	61	NS (66)	NS (72)	NS (82)	NS (87)	NS (93)	98	57	89	75	NS (73)
MW-22A	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	<5 (0.8)	NS (0.8)	<0.8	<0.8	<2	<2	<2	NS (2)	NS (1)	NS (0.6)	<0.3	<1	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	NS (0.4)	NS (0.3)
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	<5 (0.8)	<0.8	<0.8	<2	<2	<2	NS (2)	NS (1)	NS (0.6)	<0.3	NS (0.4)	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-25A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	<0.4	<0.8	<0.8	<2	<2	<2	NS (2)	NS (2)	<3	<3	<0.3	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-26A	NA	NA	NA	NA	NA	1	4	<0.8	2	<2	<2	NS (2)	NS (2)	<3	<0.3	<0.3	<0.5	<0.5	NS (0.5)	<0.5	42	<1	<0.5	1	10
MW-27A	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	<0.8	<2	<2	<2	NS (2)	NS (2)	<3	<3	<1	NS (1)	NS (1.0)	NS (0.9)	NS (0.9)	NS (0.8)	NS (0.8)	NS (0.7)	NS (0.7)	NS (0.6)
MW-28A	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	<2	<2	<2	<2	NS (2)	NS (2)	<3	<0.3	<0.3	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-29A	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	<2	<2	<2	<2	NS (2)	NS (2)	<3	<3	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213	NS (208)	197	147	NS (146)	NS (145)	NS (143)	NS (142)	NS (141)	140	130	140	117	NS
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192	NS (186)	174	178	NS (173)	NS (167)	NS (156)	NS (151)	NS (145)	140	140	110	135	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	455	NS (1,141)	2,510	884	884	690	340	1,500	610	1,400	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<0.5	23	0.5
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	NS (18)	30	<0.3	6	0.7	3	NS (4)	6	9	54	2	8	174
MW-35A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	<3	<0.3	<0.3	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-36A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	<3	<0.3	<0.3	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-38A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	<3	<0.3	<0.3	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7	8	6	3	3	NS (2)	<0.5	2	4	4	2	8
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	81	11	165	240	290	NS (174)	57	200	<50	42	114	94
MW-50A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3	<0.3	<1	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-51A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	<3	<0.3	NS (0.4)	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	696	58	NS (44)	NS (31)	5	NS (4)	NS (3)	3	2	5	5	NS
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	72	NS (71)	NS (71)	70	150	170	133	145
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	470	NS (351)	230	84	140	64	138	137
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52	75	NS (55)	34	<5	120	160	94	0.08
MW-59A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-60A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-64A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-68A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-69A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	<0.5	<0.5	<1	<1	<0.5	<0.08	<0.08
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-88A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-91A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-94A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-95A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-97A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-98A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	NS (263)	NS (267)	270	150	260	238	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Benzene A-TZ Input Data

	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-01A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-03	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-04	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-05	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-07	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-08	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)
MW-09	NS (0.1)	NS (0.1)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-10A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-11A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-12A	0.5	0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-13	<0.08	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-15A	1	2	0.6	<0.2	0.7	0.3	0.6	0.8	0.9	0.5	<0.2	<0.2	<0.2	0.9	2
MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	324	576	610	350	540	<0.2	410	300	480	420	500	270	610	230	<1
MW-18A	239	483	220	1,200	160	410	590	63	290	480	540	290	320	620	369
MW-20A	NS (72)	NS (71)	62	24	13	20	24	18	13	8	8	8	8	21	20
MW-22A	<0.2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	NA	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-24AR	<0.2	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-25A	<0.2	<0.08	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-26A	0.4	0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-27A	NS (0.6)	NS (0.5)	<0.2	NS (0.2)	<0.2	<0.2	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-28A	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-29A	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)
MW-30A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	<0.2	40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-33A	223	4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-35A	0.4	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-36A	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-38A	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-44A	7	4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-47A	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-49A	57	108	16	4	<0.2	300	130	120	6	62	55	<0.2	150	10	3
MW-50A	<0.08	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-51A	<0.08	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-52A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	72	88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	109	41	NS (13)	NS (5)	0.6	38	2	7	1	8	2	25	2	5	0.7
MW-58A	<0.08	259	12	1	5	5	3	1	2	17	9	6	11	9	12
MW-59A	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-60A	<0.2	<0.08	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60AR	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-61A	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-64A	0.2	<0.08	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-68A	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	<10 (0.6)	<1	<1
MW-69A	<0.2	<0.08	<0.2	<0.2	<0.2	NS (0.2)	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-77A	NA	<0.08	63	<0.2	63	58	21	<0.2	44	54	15	23	26	54	23
MW-78A	NA	57	NS (32)	NS (25)	NS (22)	18	150	190	93	270	220	180	180	120	180
MW-79A	NA	49	1,000	450	13	120	180	320	300	100	290	46	<1	77	30
MW-84A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-88A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-91A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-94A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-95A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-97A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<1	<0.2	<0.2	<0.2	<1	<1
MW-98A	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
TW-56A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran A-TZ Input Data

	1H-1988	2H-1988	2H-1990	1H-1991	2H-1991	1H-1992	2H-1992	1H-1993	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	2H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002
MW-01A	<10	305	211	160	108	<10	136	160	110	120	120	130	86	52	241	160	<200 (110)	59	55	NS (87)	120	330	91	180	65
MW-02	<10	230	190	180	62	<10	93	53	<10	<10	31	<10	19	<10	77	50	<10	20	<10	NS (13)	17	33	8	10	12
MW-03	<10	250	205	170	67	<10	92	160	140	140	140	140	72	28	109	120	15	44	54	NS (29)	2	89	110	72	42
MW-04	<10	74	21	21	62	<10	44	46	<10	<10	15	<10	63	15	28	<10	<10	<10	<10	NS (5)	0.2	0.3	0.3	0.3	<0.3
MW-05	NS (10)	NS (10)	<10	<20	NS (45)	70	32	32	22	<10	<10	<10	<10	<10	22	<10	<10	<10	<10	NS (6)	<2	<0.3	<0.3	<0.3	<0.3
MW-07	NA	NA	NA	41	<100 (70)	100	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5)	<0.6	1	<0.3	<0.3	<0.3
MW-08	NA	NA	NA	<20	<100 (52)	84	<5	<10	<10	24	<10	19	<10	<10	<10	140	<10	22	47	NS (24)	<0.6	<0.3	1	<0.3	<0.3
MW-09	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<2	<0.3	<0.3	<0.3	<0.3
MW-10A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65	54	13	<10	19	15	<10	<10	<10	NS (6)	2	0.6	<0.3	0.4	<0.3
MW-11A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67	120	5	20	73	<100 (55)	37	17	79	NS (91)	103	120	140	130	190
MW-12A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148	NS (178)	NS (209)	NS (270)	300	NS (265)	230	400	320	340
MW-13	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8)	NS (6)	NS (3)	<0.9	NS (0.6)	<0.3	<0.3	<0.3	<0.3
MW-15A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42	NS (54)	NS (65)	NS (89)	100	NS (145)	190	430	130	100
MW-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NS (144)	NS (208)	NS (336)	400	NS (320)	240	180	220	180
MW-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<500 (200)	NS (200)	NS (200)	NS (200)	200	NS (198)	NS (196)	NS (194)	NS (193)	NS (191)
MW-18A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NS (200)	NS (200)	NS (200)	200	NS (230)	260	520	310	240
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400	NS (375)	350	170	360	290
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (5)	<0.3	0.3	<0.3	<0.3
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	<2	<0.3	<0.3	<0.3	<0.3
MW-25A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	16	36	14	1
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	5	5	7	3
MW-27A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3
MW-28A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3
MW-29A	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	0.5	0.4	<0.3
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-38A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-51A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-60A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-64A	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)
MW-68A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-88A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-91A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-94A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-95A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-97A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran A-TZ Input Data

	2H-2002	1H-2004	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019
MW-01A	170	19	101	133	14	64	8	8	2	8	6	<0.7	2	7	<0.7	5	5	25	14	24	<10	13	2	15	2
MW-02	14	19	16	2	15	8	5	17	11	7	<0.7	<0.7	<0.7	<0.7	<0.7	4	<0.5	4	18	7	<0.1	3	2	2	0.5
MW-03	63	10	35	NS (28)	NS (21)	NS (14)	6	NS (5)	4	NS (4)	NS (4)	NS (4)	NS (3)	NS (3)	NS (3)	NS (3)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (1)	<0.02	NS (0.02)	<0.02
MW-04	<0.07	<0.08	<0.08	NS (0.08)	NS (0.07)	NS (0.07)	<0.06	NS (0.2)	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.1)	0.07	NS (0.05)	<0.02
MW-05	0.09	<0.08	0.2	NS (0.2)	NS (0.2)	NS (0.2)	0.1	NS (0.2)	<0.3	NS (0.6)	NS (0.8)	NS (1)	NS (1)	NS (2)	NS (2)	2	0.1	<0.05	<0.08	0.08	0.2	<0.08	0.02	NS (0.02)	<0.02
MW-07	0.08	<0.08	<0.08	0.2	0.09	<0.06	<0.06	<4	<0.3	<0.3	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5	<0.08	<0.08	NS (0.08)	<0.08	<0.02	<0.02	<0.02
MW-08	<0.07	<0.08	<0.08	<0.08	<0.08	<0.06	<0.06	<4	<0.3	<0.3	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5	<0.08	<0.08	<0.07	<0.08	<0.02	0.1	<0.02
MW-09	<0.07	<0.08	0.3	NS (0.2)	NS (0.2)	NS (0.1)	<0.05	NS (0.2)	<0.3	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.08)	<0.05	<0.05	<0.05	0.1	NS (0.1)	NS (0.1)	NS (0.09)	<0.02	NS (0.02)	<0.02
MW-10A	<0.07	<0.08	<0.08	<0.08	<0.08	0.2	0.09	<4	<0.3	<0.3	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5	<0.08	9	<0.07	9	<0.02	<0.02	<0.02
MW-11A	99	0.5	12	10	<0.08	0.6	2	<4	3	<0.3	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5	<0.08	<0.08	<0.07	0.6	<0.02	0.3	<0.02
MW-12A	220	NS (195)	NS (178)	NS (170)	NS (162)	NS (153)	145	NS (135)	125	212	180	NS (180)	180	NS (165)	150	25	130	160	170	317	220	193	200	NS (101)	0.03
MW-13	<0.07	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.05)	NS (0.05)	<0.05	NS (0.2)	<0.3	<0.3	<0.08	NS (0.1)	0.2	NS (0.1)	<0.08	0.3	0.06	0.2	<0.08	<0.08	<0.2	<0.3	<0.02	NS (0.02)	<0.02
MW-15A	110	NS (85)	NS (68)	NS (60)	NS (51)	NS (43)	35	NS (29)	24	156	47	NS (47)	48	NS (49)	50	78	28	46	42	104	69	57	29	NS (26)	23
MW-16	200	NS (216)	NS (227)	NS (233)	NS (238)	NS (244)	249	NS (181)	112	253	140	NS (130)	120	NS (125)	130	130	98	170	158	NS	NS	NS	NS	NS	NS
MW-17	NS (189)	NS (183)	NS (179)	NS (178)	NS (176)	NS (174)	172	NS (144)	115	195	79	NS (114)	150	NS (309)	470	190	93	130	275	253	211	148	92	NS (82)	72
MW-18A	220	NS (223)	NS (226)	NS (227)	NS (228)	NS (229)	230	NS (231)	233	290	120	NS (140)	160	NS (155)	150	230	75	210	188	279	326	204	160	NS (104)	47
MW-20A	260	NS (262)	NS (264)	NS (265)	NS (265)	NS (266)	267	NS (170)	71	NS (81)	NS (91)	NS (101)	NS (110)	NS (120)	NS (130)	140	73	150	80	NS (85)	NS (90)	NS (95)	130	NS (99)	67
MW-22A	<0.07	NS (0.1)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.08	NS (0.08)	<0.08	NS (0.1)	0.2	<0.05	0.07	<0.5	NS (0.7)	NS (0.8)	1	22	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.02	NS (0.02)	0.03
MW-24AR	<0.07	NS (0.2)	NS (0.3)	NS (0.3)	NS (0.4)	NS (0.4)	NS (0.5)	NS (0.5)	0.6	NS (0.3)	<0.08	NS (0.09)	0.1	NS (0.10)	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	0.2	NS	NS	NS	NS
MW-25A	2	NS (1)	NS (1.0)	NS (0.8)	NS (0.6)	NS (0.4)	0.2	NS (0.4)	0.6	<0.3	18	NS (9)	0.3	NS (0.2)	<0.08	1	0.5	<0.05	<0.08	<0.08	<0.08	<0.08	200	NS (101)	<0.02
MW-26A	5	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	3	NS (4)	5	1	3	NS (2)	0.8	NS (0.6)	0.4	21	1	0.8	4	15	<0.08	2	0.1	NS (0.3)	0.5
MW-27A	<0.07	NS (0.07)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.2)	0.4	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.1)	NS (0.1)	<0.02	NS (0.06)	NS (0.1)
MW-28A	<0.07	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.05)	NS (0.05)	<0.05	NS (0.2)	<0.3	<0.3	<0.08	NS (0.08)	<0.08	NS (0.3)	0.5	<0.05	<0.05	<0.05	<0.8	<0.08	<0.08	<0.08	0.3	NS (0.2)	<0.1
MW-29A	<0.07	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.05)	NS (0.05)	<0.05	NS (0.3)	<0.6	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)
MW-30A	NA	262	NS (282)	NS (292)	NS (302)	NS (312)	322	NS (240)	156	NS (169)	NS (183)	NS (196)	NS (210)	NS (223)	NS (237)	250	210	200	308	NS	NS	NS	NS	NS	NS
MW-31A	NA	255	NS (278)	NS (290)	NS (302)	NS (314)	326	NS (248)	169	NS (192)	NS (215)	NS (238)	NS (261)	NS (284)	NS (307)	330	260	260	367	NS	NS	NS	NS	NS	NS
MW-32A	NA	339	NS (286)	NS (260)	NS (234)	NS (208)	181	NS (239)	298	260	320	NS (231)	140	210	3,200	270	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	2	9	0.5	0.7	50	2	NS (1)	<0.02
MW-33A	NA	5	NS (8)	NS (10)	NS (11)	NS (13)	14	NS (8)	0.7	0.6	0.8	NS (1)	2	NS (2)	3	14	26	6	7	73	148	33	0.04	NS (0.03)	<0.02
MW-35A	NA	NA	NA	NA	NA	NA	2	NS (5)	8	3	1	NS (3)	5	NS (3)	0.1	0.1	0.08	4	0.4	0.1	2	1	5	NS (4)	4
MW-36A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05	NS (0.3)	0.5	<0.3	<0.08	NS (0.2)	0.3	NS (0.2)	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	<0.08	<0.08	0.6	NS (0.3)	<0.02
MW-38A	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05	NS (0.2)	<0.3	<0.3	<0.08	NS (0.08)	0.08	NS (0.08)	<0.08	0.06	<0.05	<0.1	<0.08	<0.08	<0.08	<0.08	0.06	NS (0.10)	0.1
MW-44A	NA	NA	NA	NA	NA	NA	12	NS (38)	64	125	54	NS (32)	9	NS (5)	0.7	1	1	3	<0.8	135	107	16	0.3	NS (0.2)	<0.02
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	176	NS (162)	148	293	210	NS (185)	160	NS (118)	75	90	<0.05	10	85	81	90	94	5	NS (2)	<0.02
MW-50A	NA	NA	NA	NA	NA	NA	0.4	NS (0.4)	<0.3	<0.3	0.3	NS (0.2)	<0.08	NS (0.09)	0.1	<0.05	<0.05	2	<0.08	<0.08	0.1	<0.08	<0.02	NS (0.02)	<0.02
MW-51A	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	<0.06	NS (0.3)	0.6	NS (0.3)	<0.08	NS (0.10)	0.1	NS (0.1)	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	<0.08	<0.08	<0.02	NS (0.02)	<0.02
MW-52A	NA	NA	NA	NA	NA	NA	258	NS (315)	373	NS (350)	NS (326)	NS (303)	280	NS (253)	NS (227)	200	140	130	178	NS	NS	NS	NS	NS	NS
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200	NS (165)	130	NS (127)	NS (123)	120	84	78	27	<4	150	140	NS	NS	NS
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	NS (1,048)	1,900	NS (1,801)	1,700	8,600	860	1,700	7,280	799	4,690	257	NS (130)	NS (112)	NS (94)
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	230	NS (230)	230	NS (155)	79	2	130	9	128	<0.08	<0.08	136	91	NS (52)	13
MW-59A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.4)	0.7	NS (0.8)	1	<0.05	<0.05	<0.05	<0.08	<0.08	<0.1	<0.08	0.2	NS (0.10)	<0.02
MW-60A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	0.4	NS (0.2)	<0.08	NS (0.08)	<0.08	<0.05	<0.05	1	<0.08	<0.08	0.1	0.1	<0.02	NS (0.02)	<0.02
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.08)	<0.08	<0.08	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	<0.08	<0.08	<0.02	NS (0.02)	<0.02
MW-64A	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	0.1	NS (0.1)	<0.08	<0.08	<0.08	1	<0.05	<0.05	<0.08	<0.08	<0.08	<0.08	0.4	NS (0.2)	<0.02
MW-68A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	0.2	<0.05	<0.05	0.7	<0.08	<0.08	<0.08	<0.08	<0.02	NS (0.02)	<0.02
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23	90	NS (45)	<0.02
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	411	NS (184)	NS (152)	NS (120)
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342	140	NS (89)	37
MW-84A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-88A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-91A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-94A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-95A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-97A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43	NS (59)	NS (74)	90	49	38	108	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran A-TZ Input Data

	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-01A	6	4	9	0.7	6	5	3	2	8	8	17
MW-02	0.4	0.4	0.6	0.5	<0.02	0.3	0.9	0.5	0.4	0.7	0.4
MW-03	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.8
MW-04	<0.06	0.1	0.04	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.1	0.04
MW-05	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.1	0.04
MW-07	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.03
MW-09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.03
MW-10A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	<0.02	<0.1	1
MW-11A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.1
MW-12A	140	230	64	160	170	67	220	86	99	49	77
MW-13	0.04	0.2	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-15A	35	36	24	20	41	14	8	38	11	12	31
MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	120	<0.02	100	61	92	95	110	69	86	71	51
MW-18A	190	200	97	190	92	160	160	160	57	57	57
MW-20A	77	79	86	49	97	55	110	74	57	58	59
MW-22A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.5	<0.02	<0.2	0.08	<0.1
MW-24AR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25A	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-26A	0.2	<0.04	<0.03	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-27A	0.1	<0.02	NS (0.3)	NS (0.5)	0.8	<0.02	<0.02	<0.02	<0.2	<0.1	0.1
MW-28A	0.08	<0.1	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.02	<0.1	0.07
MW-29A	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)
MW-30A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	<0.02	<0.02	0.1	<0.02	0.3	<0.02	0.2	<0.02	2	<0.1	0.6
MW-33A	<0.02	0.1	<0.02	<0.02	<0.02	0.1	<0.02	0.2	<0.02	<0.1	0.06
MW-35A	0.4	<0.02	0.7	0.2	1	3	0.2	0.1	0.2	0.2	0.3
MW-36A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	0.2	<0.1
MW-38A	<0.02	0.4	<0.02	0.09	<0.02	<0.02	<0.2	0.1	<0.02	0.1	<0.1
MW-44A	<0.02	<0.3	<0.02	<0.02	0.2	<0.02	<1	<0.02	<0.2	<0.1	0.2
MW-47A	NA	<0.02	<0.02	<0.07	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-49A	<0.02	37	44	57	22	65	76	<0.02	17	140	14
MW-50A	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-51A	0.03	<0.05	<0.02	0.09	<0.02	0.06	<0.02	<0.02	<0.02	<0.1	<0.1
MW-52A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	76	150	67	86	54	1,400	81	98	23	39	15
MW-58A	59	130	47	80	11	10	4	1	2	4	4
MW-59A	<0.02	<0.2	<0.02	<0.07	<0.02	0.06	<0.02	0.02	<0.02	<0.1	<0.1
MW-60A	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60AR	NA	<0.02	<0.02	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-61A	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-64A	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-68A	0.08	<0.02	<0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	0.03
MW-69A	<0.02	NS (0.02)	<0.02	<0.02	<0.02	16	0.02	0.2	<0.02	<0.1	0.03
MW-77A	96	79	4	80	25	54	25	23	12	6	9
MW-78A	NS (88)	55	260	220	88	200	240	260	91	74	65
MW-79A	26	140	24	96	75	31	64	26	3	13	8
MW-84A	NS (0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	0.2	<0.1
MW-88A	NS (0.02)	<0.02	0.4	<0.02	<0.02	0.08	<0.02	<0.02	0.9	<0.1	<0.1
MW-91A	NS (0.02)	<0.02	<0.02	5	<0.02	<0.02	<0.02	0.06	0.05	<0.1	0.2
MW-94A	NS (0.02)	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-95A	NS (0.02)	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	0.1	<0.1	<0.1
MW-97A	NS (0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	<0.02	<0.02	<0.1	<0.1
MW-98A	NS (0.02)	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
TW-56A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

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<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Naphthalene A-TZ Input Data

	2H-1984	1H-1985	2H-1985	1H-1986	2H-1986	1H-1987	2H-1987	1H-1988	2H-1988	1H-1989	2H-1989	1H-1990	2H-1990	1H-1991	2H-1991	1H-1992	2H-1992	1H-1993	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996
MW-01A	1,160	37	889	5,800	4,900	<10	2,602	2,140	3,000	3,400	810	1,170	182	840	1,060	813	950	470	340	600	71	250	29	250
MW-02	540	146	350	2,700	590	<10	123	<10	210	170	1,300	2,170	190	4,300	124	<10	253	270	10	<10	<10	<10	<10	<10
MW-03	1,234	1,068	17	7,400	3,200	<10	106	2,010	7,600	5,000	850	1,340	850	2,700	1,067	<10	408	360	300	450	160	230	65	94
MW-04	89	906	100	1,590	540	1,100	1,272	556	950	120	<10	181	406	380	124	<10	822	35	<10	<10	120	23	130	130
MW-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	190	NS (277)	366	659	440	<10	<10	<10	18	420	<10
MW-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660	<100	800	<5	25	<10	<10	<10	<10	<10	<10
MW-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44	79	155	<5	64	18	180	<10	54	<10	42
MW-09	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	<10	<10	<10	<10	<10
MW-10A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,100	490	28	210
MW-11A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	710	360	340	110
MW-12A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-15A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-25A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-27A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-28A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-29A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50A	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-51A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59A	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)
MW-60A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)
MW-64A	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)
MW-68A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-88A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-91A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-94A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-95A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-97A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Naphthalene A-TZ Input Data

	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010
MW-01A	5,050	1,600	1,700	320	228	NS (179)	130	68	240	65	110	5	0.9	120	23	0.5	3	0.3	<1	<0.4	17	<0.8	3	4
MW-02	478	530	33	31	<10	NS (10)	11	240	28	34	6	13	0.6	2	<0.06	5	11	0.4	19	0.8	1	<0.8	12	<0.6
MW-03	79	340	<10	<10	<10	NS (5)	0.1	1	0.9	0.7	<0.3	0.2	0.3	50	NS (38)	NS (25)	NS (13)	<0.07	NS (0.5)	0.9	NS (0.8)	NS (0.8)	NS (0.7)	NS (0.7)
MW-04	224	<10	<10	<10	<10	NS (5)	0.5	<0.3	1	1	<0.3	<0.1	<0.07	<0.06	NS (0.06)	NS (0.07)	NS (0.07)	<0.07	NS (0.2)	<0.4	NS (0.4)	NS (0.5)	NS (0.5)	NS (0.6)
MW-05	736	23	<10	<10	<10	NS (5)	0.1	1	<0.3	<0.3	<0.3	0.1	<0.07	9	NS (7)	NS (5)	NS (3)	0.8	NS (0.6)	<0.4	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)
MW-07	<10	<10	<10	<10	<10	NS (5)	0.1	0.3	<0.3	<0.3	<0.3	0.5	<0.07	<0.06	<0.06	0.2	<0.07	0.6	<1	<0.4	0.7	<0.8	<0.6	<0.6
MW-08	<10	640	<10	300	526	NS (265)	0.2	<0.3	13	<0.3	<0.3	<0.1	<0.07	<0.06	<0.06	<0.06	<0.07	<0.07	<1	<0.4	0.7	<0.8	<0.6	<0.6
MW-09	<10	<10	<10	<10	<10	NS (5)	0.1	<0.3	<0.3	0.5	<0.3	<0.1	<0.07	<0.06	NS (0.2)	NS (0.3)	NS (0.4)	0.6	NS (0.5)	<0.4	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)
MW-10A	582	63	16	<10	<10	NS (51)	93	0.5	<0.3	<0.3	<0.3	<0.1	<0.07	<0.06	<0.06	<0.06	<0.07	<0.07	<1	<0.4	<0.4	<0.8	<0.6	<0.6
MW-11A	468	<100	340	<10	572	NS (320)	64	10	470	2,400	680	490	3	48	5	<0.06	0.1	5	<1	<0.4	<0.4	<0.8	<0.6	<0.6
MW-12A	NA	5,210	NS (5,208)	NS (5,206)	NS (5,202)	5,200	NS (4,396)	3,600	12,000	8,600	12,000	4,800	NS (4,153)	NS (3,721)	NS (3,507)	NS (3,290)	NS (3,077)	2,860	NS (2,567)	2,270	1,470	2,600	NS (2,154)	1,700
MW-13	NS (10)	<10	NS (9)	NS (8)	NS (6)	5	NS (3)	<0.3	0.5	<0.3	<0.3	<0.1	NS (0.1)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	0.2	NS (0.3)	<0.4	<0.4	<0.1	NS (4)	7
MW-15A	NA	1,210	NS (1,367)	NS (1,527)	NS (1,843)	2,000	NS (4,011)	6,000	14,000	2,200	1,800	3,500	NS (2,338)	NS (1,564)	NS (1,181)	NS (792)	NS (409)	19	NS (13)	7	271	48	NS (42)	36
MW-16	NA	472	NS (2,166)	NS (3,889)	NS (7,306)	9,000	NS (7,743)	6,500	1,100	3,300	2,300	4,100	NS (4,003)	NS (3,939)	NS (3,907)	NS (3,874)	NS (3,842)	3,810	NS (2,863)	1,900	18,900	4,100	NS (3,009)	1,900
MW-17	NA	12,200	NS (14,147)	NS (16,126)	NS (20,053)	22,000	NS (21,517)	NS (21,039)	NS (20,555)	NS (20,080)	NS (19,596)	NS (19,121)	NS (17,679)	NS (16,718)	NS (16,242)	NS (15,759)	NS (15,283)	14,800	NS (19,164)	23,600	25,500	9,700	NS (12,824)	16,000
MW-18A	NA	7,870	NS (8,691)	NS (9,525)	NS (11,179)	12,000	NS (13,508)	15,000	18,000	12,000	25,000	10,000	NS (8,915)	NS (8,192)	NS (7,835)	NS (7,471)	NS (7,114)	6,750	NS (7,335)	7,930	7,430	3,300	NS (4,688)	6,100
MW-20A	NA	NA	NA	NA	NA	11,000	NS (14,519)	18,000	4,400	17,000	13,000	13,000	NS (11,268)	NS (10,113)	NS (9,542)	NS (8,962)	NS (8,391)	7,810	NS (6,293)	4,750	NS (5,170)	NS (5,595)	NS (6,014)	NS (6,439)
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (5)	<0.3	3	0.5	<0.3	<0.1	NS (0.2)	NS (0.2)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.4)	<0.4	<0.4	<0.1	NS (0.1)	<0.1
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	0.2	<0.3	<0.3	<0.3	<0.3	<0.1	NS (0.2)	NS (0.2)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.4)	<0.4	NS (0.2)	<0.1	NS (0.2)	0.4
MW-25A	NA	NA	NA	NA	NA	NA	<0.5	15	140	3	2	2	NS (2)	NS (1)	NS (1)	NS (1)	NS (1.0)	0.8	NS (1.0)	1	<0.4	450	NS (227)	0.2
MW-26A	NA	NA	NA	NA	NA	NA	80	1	3	<0.3	0.6	0.7	NS (1)	NS (2)	NS (2)	NS (2)	NS (2)	2	NS (2)	0.8	<0.4	7	NS (4)	<0.1
MW-27A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3	<0.1	NS (0.3)	NS (0.4)	NS (0.5)	NS (0.6)	NS (0.7)	0.7	NS (1)	2	<0.4	NS (0.4)	NS (0.4)	NS (0.3)
MW-28A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3	<0.1	NS (0.2)	NS (0.2)	NS (0.3)	NS (0.3)	NS (0.3)	0.3	NS (0.5)	0.7	<0.4	0.2	NS (0.1)	<0.1
MW-29A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	1	<0.3	<0.1	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.2)	NS (0.2)	0.2	NS (0.5)	<0.8	NS	NS	NS	NS
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31,120	NS (26,672)	NS (24,472)	NS (22,236)	NS (20,036)	17,800	NS (13,818)	9,770	NS (10,515)	NS (11,269)	NS (12,010)	NS (12,764)
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,350	NS (13,237)	NS (14,170)	NS (15,118)	NS (16,051)	17,000	NS (15,364)	13,700	NS (14,740)	NS (15,792)	NS (16,827)	NS (17,879)
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31,540	NS (24,748)	NS (21,389)	NS (17,974)	NS (14,615)	11,200	NS (18,043)	25,000	16,200	16,000	NS (9,801)	3,500
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44	NS (230)	NS (322)	NS (416)	NS (508)	602	NS (304)	2	5	3	NS (11)	20
MW-35A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	NS (13)	26	0.7	<0.1	NS (94)	190
MW-36A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	NS (0.7)	1	<0.4	0.6	NS (1)	2
MW-38A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	NS (0.3)	<0.4	<0.4	6	NS (3)	<0.1
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84	NS (447)	816	287	21	NS (90)	160
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,950	NS (3,552)	2,130	11,000	9,000	NS (9,496)	10,000
MW-50A	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07	NS (0.2)	<0.4	<0.4	0.3	NS (0.2)	<0.1
MW-51A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NS (1)	2	NS (1)	0.3	NS (0.6)	0.9
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20,300	NS (15,341)	10,300	NS (8,707)	NS (7,096)	NS (5,511)	3,900
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17,000	NS (14,025)	11,000
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000	NS (17,984)	20,000
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,400	NS (1,954)	1,500
MW-59A	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	<0.1	NS (0.3)	0.5
MW-60A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	NS (6)	2
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61A	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	NS (7)	7	NS (3)	<0.1
MW-64A	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	0.9	NS (0.5)	<0.1
MW-68A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-88A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-91A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-94A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-95A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-97A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Naphthalene A-TZ Input Data

	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-01A	<0.6	<0.6	<0.5	<0.5	<0.5	2	441	2	74	<0.02	0.4	<0.02	0.3	0.5	5	<0.02	0.8	0.5	0.3	0.09	5	<0.1	19
MW-02	<0.6	<0.6	4	<0.5	3	21	8	<0.07	7	0.2	0.3	<0.02	0.1	<0.02	<0.2	0.04	<0.02	<0.02	0.5	0.05	0.3	0.1	2
MW-03	NS (0.7)	NS (0.6)	NS (0.6)	NS (0.5)	NS (0.5)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.3)	<0.02	NS (0.02)	<0.02	<0.3	<0.2	0.08	<0.02	0.4	<0.2	0.08	0.02	<0.02	<0.1	0.3
MW-04	NS (0.6)	NS (0.7)	NS (0.7)	NS (0.7)	NS (0.8)	NS (0.8)	NS (0.9)	NS (0.9)	NS (1.0)	1	NS (0.7)	<0.02	<0.5	1	0.07	<0.02	0.04	<0.02	<0.06	0.04	<0.02	<0.1	0.05
MW-05	NS (0.1)	NS (0.10)	<0.05	0.9	<0.05	1	0.6	1	<0.1	0.1	NS (0.06)	<0.02	<0.7	<0.1	<0.02	<0.02	0.2	<0.02	<0.02	0.3	<0.02	<0.1	0.1
MW-07	<0.6	<0.6	<0.5	<0.5	<0.5	<0.08	0.1	NS (0.09)	<0.08	<0.02	<0.02	<0.02	0.3	0.2	<0.1	<0.02	<0.02	<0.02	0.09	<0.02	0.09	<0.1	0.05
MW-08	<0.6	<0.6	<0.5	<0.5	<0.5	<0.08	<0.08	<0.07	<0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.1	0.2
MW-09	NS (0.1)	NS (0.10)	<0.05	<0.05	<0.05	4	NS (4)	NS (4)	NS (3)	0.4	NS (0.2)	<0.02	<0.2	0.1	<0.02	<0.02	0.2	<0.02	0.04	0.05	<0.02	<0.1	0.2
MW-10A	<0.6	<0.6	<0.5	<0.5	<0.5	<0.08	199	<0.07	199	<0.02	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	<0.02	0.2	<0.1	67
MW-11A	<0.6	<0.6	<0.5	<0.5	<0.5	<0.08	<0.08	<0.07	0.3	<0.02	0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.07	<0.02	0.2	<0.02	0.06	<0.1	0.6
MW-12A	NS (966)	220	50	1,500	360	83	661	34	75	12	NS (6)	<0.3	<1	<0.5	0.5	0.7	1	0.4	<2	16	<1	0.4	0.5
MW-13	NS (4)	0.5	0.9	<0.2	<0.2	<0.08	<0.2	<1	4	0.1	NS (0.2)	<0.2	<1	0.3	4	<0.02	<0.3	<0.02	0.2	<0.02	<0.07	<0.1	0.07
MW-15A	NS (19)	2	87	8	270	50	526	326	248	0.5	NS (0.4)	<0.3	<7	0.2	<0.9	<1.0	0.5	11	0.1	58	40	32	360
MW-16	NS (1,553)	1,200	1,800	1,800	2,100	1,810	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	NS (16,000)	16,000	19,000	10,000	14,000	25,600	25,800	21,300	15,400	12,000	NS (8,777)	5,500	8,900	<0.02	18,000	5,200	19,000	8,900	13,000	8,200	7,300	5,300	5,300
MW-18A	NS (6,001)	5,900	7,300	3,600	7,800	9,290	11,800	11,400	5,270	6,100	NS (4,662)	3,200	5,600	4,600	7,800	4,200	2,200	4,200	4,200	3,300	820	1,200	2,200
MW-20A	NS (6,857)	NS (7,282)	7,700	960	6,100	43,900	NS (39,836)	NS (35,704)	NS (31,640)	2,900	NS (2,156)	1,400	1,900	2,000	5,800	1,500	2,900	1,800	2,900	1,900	1,100	780	940
MW-22A	NS (2)	4	0.1	0.2	<2	NS (2)	NS (3)	<3	792	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	NS (0.07)	<0.02	<0.02	<0.4	<0.02	<0.02	<0.1	0.1	2	<0.02	<0.2	0.08	0.03
MW-24AR	NS (0.6)	0.8	<0.05	<0.05	<0.05	<0.1	<0.08	<0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25A	NS (0.3)	0.3	<0.05	0.2	<0.4	<0.7	<0.08	<0.2	<0.8	5,900	NS (2,974)	<0.3	0.2	0.1	1	<0.02	<0.02	<0.02	<1	0.08	<0.02	0.08	<0.1
MW-26A	NS (2)	4	2	0.1	0.3	<4	7	<0.9	0.4	<0.02	NS (0.3)	<0.5	<0.3	<0.2	<0.05	<0.8	0.9	<0.02	<0.02	0.7	0.1	<0.1	<0.1
MW-27A	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.02	NS (0.9)	NS (2)	3	0.05	NS (0.09)	NS (0.1)	0.2	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-28A	NS (1)	2	<0.05	<0.9	1	<0.8	<0.2	<0.4	<0.08	24	NS (13)	<2	1	<0.6	0.2	<0.09	<0.02	<0.2	0.08	<0.02	0.05	<0.1	<0.1
MW-29A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-30A	NS (13,505)	NS (14,259)	15,000	7,800	12,000	16,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	NS (18,913)	NS (19,965)	21,000	18,000	17,000	19,300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	11,000	31,000	21,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	0.4	4	406	<3	9	3,830	26	NS (13)	0.07	<0.02	<0.1	0.3	<0.02	2	<0.02	1	<0.02	1	<0.1	1
MW-33A	NS (57)	95	440	1,600	21	382	4,980	5,820	1,020	0.1	NS (0.08)	<0.02	<0.08	<0.5	<0.02	<0.1	<0.2	<0.02	0.2	2	0.06	<0.1	0.1
MW-35A	NS (96)	0.3	<0.05	0.3	50	3	0.6	10	3	130	NS (175)	220	0.8	<0.2	1	<0.4	11	0.3	0.09	0.3	<0.02	4	0.2
MW-36A	NS (1)	<0.1	<0.05	<0.05	0.3	<0.2	<0.08	<0.08	<1	<0.02	NS (0.04)	<0.06	0.2	<0.3	<0.02	<0.02	<0.6	<0.02	0.05	0.09	0.03	7	<0.1
MW-38A	NS (0.3)	0.6	<0.3	<0.05	<1	<0.08	2	<0.1	<0.08	0.7	NS (0.4)	0.2	0.07	1	<0.02	0.04	<0.1	0.2	2	0.04	<0.02	1	<0.1
MW-44A	NS (81)	0.4	42	320	390	<0.9	1,720	235	16	0.4	NS (0.2)	0.1	<0.2	<3	<0.2	<0.09	11	<0.2	<0.5	<0.02	<0.2	<0.1	0.3
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.02	0.3	<0.2	<0.07	<0.06	<0.07	<0.02	<0.2	0.04	<0.1
MW-49A	NS (5,934)	1,800	7,400	<0.05	<0.05	2,880	3,300	5,860	5,130	46	NS (23)	0.09	<0.02	4,500	2,000	2,900	400	3,100	3,200	<0.02	740	290	9
MW-50A	NS (1)	3	<0.05	<0.05	20	<0.08	0.3	1	0.7	0.2	NS (0.1)	<0.02	0.3	<2	<0.1	0.3	<0.02	0.08	<0.02	<0.02	<0.02	<0.1	<0.1
MW-51A	NS (0.5)	<0.1	<0.05	<0.05	<0.05	<0.08	<0.08	0.1	0.2	<0.09	NS (0.1)	0.1	0.6	<0.3	<0.02	0.2	<0.02	<0.5	0.07	<0.02	<0.02	<0.1	<0.1
MW-52A	NS (3,237)	NS (2,563)	1,900	770	830	878	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NS (10,204)	NS (9,396)	8,600	9,900	9,700	<2	13,800	11,700	11,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	NS (19,008)	18,000	71,000	9,200	22,000	60,700	13,500	56,900	7,270	NS (2,601)	NS (1,941)	NS (1,270)	610	1,000	200	810	150	7,500	170	140	<0.3	22	12
MW-58A	NS (979)	450	<0.05	2,200	68	2,960	0.4	<0.08	4,050	950	NS (479)	0.4	460	1,200	350	59	92	320	14	5	53	34	0.09
MW-59A	NS (4)	7	<0.05	<0.05	0.05	<0.08	<0.08	<0.4	0.2	0.7	NS (0.4)	<0.02	<0.1	<1	0.2	<0.07	0.09	<0.3	0.03	0.09	<0.02	<0.1	0.03
MW-60A	NS (0.8)	<0.1	<0.05	<0.05	25	14	<0.08	0.7	7	<0.02	NS (0.02)	<0.02	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.02	<0.02	<0.02	0.04	<0.1	0.2	<0.02	0.1	<0.1	0.08
MW-61A	<0.2	<0.1	<0.05	<0.05	<0.05	<0.08	<0.1	<0.7	<0.08	<0.02	NS (0.02)	<0.02	<0.02	<0.2	<0.07	<0.02	0.08	<0.02	<0.06	<0.02	0.2	<0.1	0.09
MW-64A	<0.1	<0.1	<0.05	<0.6	<0.05	<0.08	<0.08	<0.08	<0.3	0.6	NS (0.3)	<0.02	<0.3	2	0.08	<0.02	0.09	<0.02	0.07	0.09	<0.02	0.1	<0.1
MW-68A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.4	<0.2	<0.03	<0.02	<0.02	<0.02	<0.04	<0.02	<0.2	1	0.09
MW-69A	26	0.1	<0.05	<0.3	<4	<0.1	<0.08	<0.7	<0.2	<0.02	NS (0.02)	<0.02	<0.08	NS (0.1)	0.2	<0.1	0.1	130	<0.1	2	<0.02	<0.1	0.1
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	884	7,800	NS (3,932)	<0.02	4,900	4,700	10	5,000	1,900	4,400	1,100	1,600	640	330	850
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,180	NS (4,582)	NS (4,214)	NS (3,841)	NS (3,473)	3,100	2,500	8,200	3,200	8,000	12,000	9,400	4,400	2,200	4,400
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,890	15,000	NS (8,504)	1,900	740	9,000	1,300	8,700	7,400	1,800	4,800	1,200	40	600	6
MW-84A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	0.02	<0.1	<0.02	<0.02	0.06	<0.02	<0.02	<0.2	0.5	0.2
MW-88A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	10	<0.02	0.06	<0.1	<0.02	<0.02	<0.02	<0.1	0.04
MW-91A	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	0.4	<0.02	93	<0.2	<0.02	<0.02	6	<0.02	<0.1	13
MW-94A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	<0.02	<0.3	<0.02	<0.02	<0.10	0.02	<0.02	<0.1	<0.1
MW-95A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	<0.02	<0.02	<0.06	<0.02	<0.09	0.02	6	0.1	<0.1
MW-97A	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	<0.2	<0.02	<0.02	<0.02	4	<0.02	<0.02	<0.1	<0.1
MW-98A	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	0.04	<0.1	0.1	<0.02	0.09	<0.10	<0.02	<0.02	0.05	<0.1
TW-56A	NS (2,434)	NS (2,366)	2,300	2,200	810	1,750	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

2,4-Dimethylphenol B-CZ/TZ Input Data

	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2003	1H-2004	1H-2005	1H-2007	1H-2008	2H-2008	1H-2009	1H-2010	2H-2010
MW-10B	NS (22)	NS (22)	22	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<1	NS (0.2)	<0.1	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-11B	NS (10)	NS (10)	<10	<10	<10	<10	<10	<100	<10	<10	<10	NS (5)	<0.9	NS (0.2)	<0.1	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-12B	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (10)	NS (10)	NS (10)	<10	NS (9)	NS (5)	NS (4)	NS (3)	<0.05	<3	NS (3)	NS (3)	NS (3)	NS (3)
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8)	NS (6)	NS (3)	<1	NS (0.9)	NS (0.6)	NS (0.5)	NS (0.4)	<0.2	<0.3	<0.3	<0.08	<0.08	NS (0.08)
MW-15B	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-22B	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (9)	<0.1	NS (0.1)	NS (0.2)	NS (0.3)	<0.3	<0.3	<0.08	<0.08	NS (0.08)
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<1	NS (0.6)	NS (0.5)	NS (0.4)	<0.2	<0.3	<0.3	<0.08	<0.08	NS (0.08)
MW-29B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33B	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05	<43	<28	<0.08	4	NS (3)
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	<0.3	<0.08	<0.08	<0.08
MW-36B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08
MW-38B	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	<0.1	NS (0.1)	<0.2	<0.3	<0.3	<0.08	<0.08	NS (0.08)
MW-39B	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	<0.1	NS (0.1)	<0.2	<0.3	<0.3	<0.08	<0.08	NS (0.08)
MW-40B	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	<0.1	NS (7)	20	<71	45	11	14	NS (7)
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	108	NS (110)	115	104	NS (101)	NS (99)	NS (94)	NS (91)
MW-42B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	NS (0.2)	NS (0.2)	<0.08	NS (0.10)
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	1,200	NS (694)
MW-50B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-54B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.08
MW-60B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-61B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-62B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	<0.08	<0.08
MW-63B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.08)
MW-67B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-80B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-81B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-82B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-83B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-84B	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)
MW-88B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-89B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-90B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-92B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-93B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-96B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-98B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
P-10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<1	NS (0.2)	<0.1	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
P-11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<1	NS (0.2)	<0.1	<0.3	NS (0.3)	<0.3	<0.3	<0.08	<0.08	NS (0.08)
P-12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (6)	<1	NS (0.2)	<0.1	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
TW-41B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.07)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2,4-Dimethylphenol B-CZ/TZ Input Data

	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-10B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-11B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-12B	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (4)	NS (4)	NS (4)	NS (4)	<4	<0.4	<0.4	0.6	520	<40	1	<4	<0.2	38
MW-14	<0.08	<0.05	1	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	NS (0.04)	<0.04	<0.1	<0.04	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-15B	NS (0.4)	NS (0.4)	<0.4	<0.05	<0.3	<0.3	<3	<0.3	<0.04	NS (0.04)	<0.04	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<2
MW-22B	<0.08	<0.05	0.1	<0.05	NS (0.1)	NS (0.2)	<0.3	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	<0.04	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	2	<0.4	<0.2	<0.2
MW-24B	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-29B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-32B	NA	NA	46,000	1	<74	NS (125)	178	NS (2,311)	NS (17,397)	NS (19,530)	NS (21,698)	NS (23,831)	26,000	41,000	14,000	21,000	13,000	17,000	7,700	11,000	960	4,400
MW-33B	3	3	<0.05	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	<1,490 (15)	<15	<1	<0.3	<0.04	NS (0.04)	<0.04	0.3	0.2	<0.04	<0.04	<0.04	6	0.3	<0.4	2	<0.2	3
MW-35B	<0.08	<0.05	<0.05	<0.05	<295	<15	<298	<3	<0.04	NS (0.04)	<0.04	<0.04	0.2	<0.04	<0.04	<0.04	<0.4	<0.04	<0.04	<0.04	<0.2	<0.2
MW-36B	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	NS (0.04)	<0.04	0.08	<0.05	<0.04	<0.04	0.09	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-38B	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	NS (0.04)	<0.04	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<4
MW-39B	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<3	<0.3	<0.04	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-40B	0.3	3	4	4	<29	<15	<60	<3	0.3	NS (0.2)	<0.04	1	1	<0.04	3	2	<0.04	<0.04	<0.04	<0.04	<0.2	0.4
MW-41B	NS (89)	NS (86)	NS (84)	NS (81)	NS (79)	NS (76)	NS (73)	NS (71)	NS (53)	NS (51)	NS (48)	NS (46)	43	21	3	6	230	<40	5	<20	<0.2	16
MW-42B	NS (0.1)	0.1	<0.05	<0.05	<0.3	<0.3	0.9	0.6	<0.04	NS (0.04)	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-49B	180	590	190	6,300	1,090	21,400	4,960	13,600	3,400	NS (8,756)	NS (14,200)	NS (19,556)	25,000	2,100	1,600	91	12,000	6,400	2,400	2,300	NS (2,300)	NS (2,300)
MW-50B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-54B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.05	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-55B	NA	NA	35,000	30,000	2,060	25,200	44,200	35,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	NA	NA	6,300	16,000	13,800	9,670	19,800	15,000	3,700	NS (4,628)	NS (5,572)	6,500	2,800	11,000	1,900	2,800	3,900	<40	3,400	2,400	2,700	4,000
MW-59B	<0.08	<0.05	250	<0.05	<0.3	<0.3	<0.3	NS (0.3)	<0.04	NS (0.04)	<0.04	<0.04	<0.04	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-60B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	<0.2
MW-61B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-62B	<0.08	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	<4	<0.04	<0.04	<0.2	<2
MW-63B	<0.08	0.06	0.4	<0.05	<0.3	<0.3	<3	<3	<0.04	NS (0.2)	<0.4	<0.04	<0.04	<0.04	0.07	0.5	<0.04	<0.04	<0.04	7	<0.2	<4
MW-67B	<0.08	<0.05	0.5	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	0.1
MW-68B	NA	NA	190	270	273	<15	536	451	230	NS (145)	58	76	75	25	3	400	21	46	31	6	<0.2	<2
MW-70B	NA	NA	NA	2,600	<2,110	NS (36,768)	72,000	50,800	NS (49,654)	NS (49,492)	NS (49,327)	NS (49,165)	49,000	16,000	7,100	11,000	8,500	39,000	22,000	13,000	18,000	21,000
MW-71B	NA	NA	3	<0.05	<0.3	<15	23	<0.3	0.4	NS (0.2)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.7	<0.04	<0.04	<0.04	<0.2	0.3
MW-72B	NA	NA	NA	20,000	98,100	29,900	182,000	NS (161,435)	16,000	NS (9,058)	2,000	19,000	13,000	22,000	4,200	7,500	10,000	16,000	4,500	8,200	8,200	4,500
MW-73B	NA	NA	7	3	<0.3	<0.3	0.9	<0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	NA	NA	55,000	41,000	56,900	NS (289,026)	525,000	70,600	59,000	NS (34,205)	9,000	37,000	210	8,300	99	25,000	2,700	18,000	0.4	<0.04	<0.2	5,800
MW-75B	NA	NA	180	640	70	NS (3,184)	6,350	<6	NS (550)	NS (627)	NS (705)	NS (782)	860	5	1	22	NS (20)	NS (18)	NS (15)	13	22	340
MW-76B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-80B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.04	NS (0.04)	<0.04	<0.04	0.3	<0.04	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<2
MW-81B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.04	NS (0.04)	<0.04	<0.04	<0.04	0.6	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-82B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	NS (0.04)	<0.04	<0.04	<0.2	<0.2
MW-83B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	0.07	0.8	<0.04	0.09	<0.04	<0.04	4	<0.4	<0.2	<0.2
MW-84B	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	2	0.5	<0.2	0.8	0.5	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	<0.2
MW-88B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-89B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-90B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	NS (0.2)
MW-92B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.4	<0.2	<0.2
MW-93B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
MW-96B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1	<0.2	<0.2
MW-98B	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	0.05
P-10	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
P-11	<0.08	<0.05	<0.05	<0.05	NS (0.2)	<0.3	<0.3	<0.3	<0.04	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.2	<0.2
P-12	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
TW-41B	NS (0.06)	<0.05	<0.05	1	<0.3	<0.3	<0.3	<0.3	<0.04	NS (0.04)	<0.04	<0.04	0.2	<0.04	0.6	<0.04	<0.04	<0.4	<0.04	<0.04	<0.2	<0.2

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene B-CZ/TZ Input Data

	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	2H-2003	1H-2004
MW-10B	NA	NA	500	520	230	87	299	97	10	<10	<10	NS (6)	1	40	0.5	<0.3	1	18	NS (6)	0.1
MW-11B	NA	NA	310	270	190	43	249	1,400	19	<10	43	NS (23)	2	150	56	56	26	92	NS (32)	2
MW-12B	NA	NA	NA	NA	NA	NA	NA	233	NS (246)	NS (260)	NS (287)	300	NS (318)	NS (336)	NS (355)	NS (373)	NS (391)	NS (409)	NS (445)	NS (463)
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8)	NS (6)	NS (3)	<1	NS (3)	5	9	4	5	3	NS (3)	NS (2)
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22B	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (5)	<0.2	<0.3	<0.3	<0.3	<0.07	0.3	NS (0.3)
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	<0.2	<0.3	<0.3	<0.3	<0.07	NS (0.07)	NS (0.07)
MW-29B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	<0.2	0.07	NS (0.07)	NS (0.07)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-38B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07
MW-39B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	0.3
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.07
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	751
MW-42B	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-60B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-61B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-62B	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-67B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-80B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-81B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-82B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-89B	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-90B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-92B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-93B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-96B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
P-10	90	55	80	120	86	38	134	<10	<10	18	32	NS (95)	160	210	140	140	99	5	NS (2)	<0.07
P-11	<10	19	<10	<10	<10	<10	<10	<50	<10	<10	<10	NS (6)	<2	0.8	<0.3	<0.3	<0.3	<0.07	NS (0.8)	1
P-12	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	NS (6)	<2	<0.3	<0.3	<0.3	<0.3	<0.07	NS (0.07)	<0.07
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene B-CZ/TZ Input Data

	1H-2005	1H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019
MW-10B	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11B	<0.07	NS (3)	NS (4)	NS (5)	NS (6)	NS (6)	NS (7)	NS (8)	NS (8)	NS (9)	NS (10)	NS (10)	NS (11)	NS (12)	NS (12)	13	NS (27)	NS (28)	NS (30)	NS (32)
MW-12B	NS (500)	572	508	NS (521)	NS (535)	NS (548)	NS (561)	NS (574)	NS (588)	NS (601)	NS (614)	NS (627)	NS (641)	NS (654)	NS (667)	NS (681)	NS (774)	NS (787)	NS (800)	NS (813)
MW-14	NS (2)	1	0.5	0.8	0.8	NS (0.7)	0.6	NS (0.5)	0.4	0.3	0.2	0.4	0.4	0.3	0.3	0.3	0.2	NS (0.1)	<0.02	0.2
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	290	23	<0.7	3	3	6	0.2	NS (0.09)	<0.02	16
MW-22B	NS (0.3)	NS (0.4)	<0.4	<0.4	<0.07	NS (0.07)	<0.07	NS (0.07)	<0.07	<0.05	0.4	<0.6	NS (0.6)	NS (0.5)	0.4	7	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NS (0.3)	<0.02	<0.02
MW-24B	NS (0.06)	<0.06	<0.4	<0.4	<0.07	NS (0.08)	0.1	NS (0.08)	<0.07	<0.05	<0.05	<0.05	<0.07	<0.07	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-29B	NS (0.06)	<0.06	<0.4	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	530	0.2	<17	NS (76)	137	NS (977)	NS (6,915)	NS (7,755)	NS (8,609)	NS (9,448)
MW-33B	NA	1,110	443	808	1,900	NS (1,310)	710	NS (616)	520	1,600	810	550	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	993	198	56	277	3	NS (1)	<0.02	14
MW-35B	NA	1,340	464	56	400	NS (435)	470	360	410	480	180	260	295	431	534	376	250	NS (131)	11	41
MW-36B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07	<0.07	<0.05	<0.05	<0.05	<0.8	<0.07	<0.3	<0.07	<0.02	NS (0.02)	<0.02	0.6
MW-38B	NS (0.06)	<0.06	<0.4	<0.4	0.4	NS (0.2)	<0.07	NS (0.07)	<0.07	<0.05	<0.05	<0.3	<0.07	<0.07	0.1	<0.10	0.1	NS (0.06)	<0.02	0.3
MW-39B	NS (0.2)	0.2	<0.4	<0.4	<0.07	NS (0.07)	<0.07	NS (0.08)	0.09	<0.05	<0.05	0.07	<0.07	<0.07	<0.7	<0.07	0.08	NS (0.05)	<0.02	<0.03
MW-40B	NS (174)	521	522	4,410	580	NS (535)	490	NS (381)	270	240	200	280	302	309	350	263	130	NS (104)	77	180
MW-41B	NS (768)	802	305	NS (320)	NS (335)	NS (351)	NS (366)	NS (381)	NS (396)	NS (411)	NS (427)	NS (442)	NS (457)	NS (472)	NS (488)	NS (503)	NS (609)	NS (624)	NS (640)	NS (655)
MW-42B	NS (0.06)	<0.06	<0.4	NS (0.3)	NS (0.2)	NS (0.2)	<0.07	NS (0.06)	NS (0.06)	<0.05	0.09	0.2	0.2	0.1	0.3	<0.07	<0.02	NS (0.02)	<0.02	<0.02
MW-49B	NA	NA	NA	NA	140	NS (71)	2	NS (0.8)	<0.07	3	10	180	297	223	691	276	72	NS (113)	NS (155)	NS (197)
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	640	757	868	901	512	NS	NS	NS	NS
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	920	1,600	1,750	1,070	892	945	610	NS (716)	NS (824)	930
MW-59B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07	<0.07	<0.05	<0.05	<0.05	<0.07	<0.07	<0.07	NS (0.06)	<0.02	NS (0.02)	<0.02	<0.02
MW-60B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-61B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-62B	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	0.1	NS (0.9)	2	0.6	<0.07	<0.05	<0.05	<0.06	<0.2	<0.07	<0.07	<0.07	0.1	NS (0.06)	<0.02	0.1
MW-63B	NA	NA	NA	NA	NA	NA	110	NS (68)	25	14	3	3	10	2	8	30	2	NS (22)	42	37
MW-67B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07	<0.07	<0.05	0.2	0.06	<0.07	<0.07	<0.07	<0.07	0.06	NS (0.04)	<0.02	<0.02
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660	1,300	952	1,410	1,190	906	1,400	NS (869)	330	720
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	940	1,210	NS (1,304)	1,400	1,310	NS (6,844)	NS (7,626)	NS (8,422)	NS (9,204)
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8	<0.4	0.4	114	48	<0.07	2	NS (0.9)	<0.02	24
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	740	1,390	1,190	3,370	NS (3,005)	420	NS (247)	71	570
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.1	<0.07	0.09	16	<0.07	NS	NS	NS	NS
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390	430	673	NS (3,077)	5,520	950	2,400	NS (1,319)	220	480
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	620	600	101	NS (1,628)	3,180	546	NS (714)	NS (738)	NS (762)	NS (786)
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-80B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	0.2	<0.02	NS (0.02)	<0.02	<0.02
MW-81B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07	<0.02	NS (0.02)	<0.02	<0.02
MW-82B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	NS (0.02)	<0.02	<0.02
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	750	76	86	50
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	580	200	<0.02	3
MW-88B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-89B	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	0.05	<0.02	0.05
MW-90B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	<0.02	<0.02
MW-92B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-93B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-96B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
P-10	<0.07	NS (0.2)	NS (0.3)	NS (0.4)	NS (0.4)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.6)	NS (0.6)	NS (0.7)	NS (0.7)	NS (0.8)	NS (0.8)	NS (0.8)	0.9	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)
P-11	3	NS (1)	0.8	<0.4	<0.07	NS (0.07)	<0.07	NS (0.07)	<0.07	<0.05	0.2	<0.05	0.1	<0.07	0.3	<0.07	0.2	NS (0.09)	<0.02	0.05
P-12	<0.07	NS (0.4)	NS (0.6)	NS (0.7)	NS (0.8)	<0.9	NS (0.8)	NS (0.7)	NS (0.6)	NS (0.6)	NS (0.5)	NS (0.4)	NS (0.3)	NS (0.2)	NS (0.1)	<0.07	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
TW-41B	NA	NA	NA	NA	NA	NA	<0.07	NS (5)	NS (10)	15	<0.05	<0.1	<0.07	0.3	<0.08	13	26	NS (18)	10	67

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene B-CZ/TZ Input Data

	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-10B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11B	NS (34)	NS (36)	NS (38)	40	NS	NS	NS	NS	NS	NS
MW-12B	NS (827)	840	20	120	330	1,000	200	240	73	130
MW-14	<0.02	0.2	<0.06	0.1	<0.3	0.08	<0.02	<0.02	<0.1	<0.1
MW-15B	<0.02	13	3	29	<0.4	23	3	<0.08	<0.1	0.4
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	<0.04	<0.02	<0.02	<0.02	<0.02	<0.3	<0.02	<0.2	2	<0.1
MW-24B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-29B	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-32B	NS (10,302)	NS (11,146)	12,000	520	560	8,400	500	680	1,500	400
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	0.3	22	87	110	35	52	72	35	75	<0.5
MW-35B	140	68	160	18	22	75	31	30	63	28
MW-36B	<0.1	1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4	<0.1
MW-38B	0.2	<0.02	<0.02	<0.02	<0.02	<0.07	<0.02	<0.02	<0.1	9
MW-39B	0.2	<0.07	<0.02	<0.02	0.02	0.4	<0.02	<0.1	<0.1	0.2
MW-40B	340	270	300	220	140	99	52	140	100	<1,000 (100)
MW-41B	670	92	58	89	310	880	350	370	320	230
MW-42B	0.07	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.1	<0.1
MW-49B	NS (238)	280	200	1,500	640	490	520	530	NS (530)	NS (530)
MW-50B	16	<0.04	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.1	<0.1
MW-54B	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-55B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	1,100	410	120	460	280	610	490	290	220	200
MW-59B	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-60B	<0.02	0.02	<0.02	0.09	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-61B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.03
MW-62B	0.1	0.6	<0.02	0.3	<0.02	<2	<0.02	<0.02	<0.1	4
MW-63B	<0.06	6	<0.3	29	10	25	43	19	94	62
MW-67B	<0.02	0.1	0.04	<0.02	<0.02	0.04	<0.02	<0.02	<0.1	0.2
MW-68B	1,100	2,900	210	6,300	290	690	600	220	260	7
MW-70B	10,000	2,000	220	710	4,800	NS (2,802)	770	840	NS (971)	1,100
MW-71B	6	3	0.3	2	<0.02	0.09	<0.02	<0.02	<0.1	<0.5
MW-72B	220	99	200	250	480	420	140	240	200	110
MW-73B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	1,300	600	130	700	2,500	7,400	<0.02	<0.02	160	700
MW-75B	810	110	0.07	76	NS (203)	NS (328)	NS (455)	580	280	6,200
MW-76B	<0.02	0.2	<0.02	<0.02	0.09	<0.02	<0.02	<0.02	<0.1	<0.1
MW-80B	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<1
MW-81B	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	0.04
MW-82B	0.1	<0.02	<0.02	<0.02	<0.02	NS (0.02)	<0.02	<0.02	<0.1	<0.1
MW-83B	78	25	97	150	150	31	12	43	60	51
MW-84B	7	0.4	<0.02	0.04	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-88B	<0.02	<0.02	<0.02	<0.02	0.2	0.1	<0.02	<0.02	<0.1	<0.1
MW-89B	<0.03	<0.02	<0.02	<0.02	0.5	<0.02	<0.02	<0.02	<0.1	0.2
MW-90B	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	NS (0.1)
MW-92B	<0.02	<0.02	<0.02	<0.02	0.2	<0.02	<0.02	<0.2	0.05	<0.1
MW-93B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-96B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1	<0.1	0.05
MW-98B	<0.02	<0.02	0.04	<0.02	0.06	<0.02	<0.02	<0.02	<0.1	<0.1
P-10	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)	NS (0.9)
P-11	0.08	<0.02	1	<0.02	0.5	<0.02	0.2	<0.02	<0.1	5
P-12	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
TW-41B	7	29	3	87	39	75	<0.02	35	0.4	71

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Benzene B-CZ/TZ Input Data

	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	2H-2003	1H-2004	1H-2005	1H-2007	1H-2008	2H-2008
MW-10B	NA	NA	7	6	7	<5	<5 (5)	<5 (5)	<5 (5)	<5 (5)	5	NS (4)	<5 (4)	3	2	2	<2	3	NS (3)	2	<1	NS (0.8)	NS (0.4)	<0.3
MW-11B	NS (2)	NS (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	<5 (2)	2	NS (1)	<0.4	<0.8	<0.8	<2	<2	<2	NS (2)	<1	<1	NS (0.8)	NS (0.4)	<0.3
MW-12B	NA	NA	NA	NA	NA	NA	NA	7	NS (5)	NS (4)	NS (2)	1	NS (1)	NS (1)	NS (1)	NS (1)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	<3	3	NS (5)
MW-14	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	<5 (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	<0.4	NS (0.6)	<0.8	<0.8	<2	<2	<2	NS (2)	NS (2)	NS (2)	<3	<0.3	<0.3
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	NS (3)	3	5	6	5	6	4	NS (3)	NS (2)	NS (1.0)	<0.3	3
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	NS (0.8)	<5 (0.8)	<0.8	<0.8	<2	<2	<2	NS (2)	NS (2)	NS (2)	<3	<3	<1
MW-29B	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	<2	<2	<2	<2	NS (2)	NS (2)	NS (2)	<3	<3	NS (3)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,330	1,920	2,730
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	65	28
MW-36B	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-38B	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<1	NS (2)	<3	<0.3	<1
MW-39B	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	<1	NS (2)	<3	<0.3	<0.3
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NS (36)	27	35	27
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	NS (17)	15	10	NS (10)
MW-42B	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	<3	1	NS (1)
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59B	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-60B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-61B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-62B	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-67B	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-80B	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)
MW-81B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-82B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-89B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-90B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-92B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-93B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-96B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
MW-98B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)
P-10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7	NS (5)	<5 (3)	<0.8	<0.8	<2	<2	<2	NS (2)	<1	<1	NS (0.8)	NS (0.4)	<0.3
P-11	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<1	NS (0.9)	<5 (0.9)	<0.8	<0.8	<2	<2	<2	NS (2)	<1	<1	NS (0.6)	<0.3	<0.3
P-12	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<5 (1)	<1	NS (0.9)	<5 (0.9)	<0.8	<0.8	<2	<2	<2	NS (2)	<1	<1	NS (0.8)	NS (0.4)	<0.3
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Benzene B-CZ/TZ Input Data

	1H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-10B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-12B	NS (6)	NS (8)	NS (9)	NS (10)	NS (11)	NS (12)	NS (13)	NS (15)	NS (16)	NS (17)	NS (18)	NS (26)	NS (27)	NS (28)	NS (29)	30	3	2	2	<2	<2	<0.2	3	<1	2
MW-14	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.08	<0.08	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-15B	NA	NA	NA	NA	NA	<5	5	2	5	1	3	0.7	NS (0.5)	<0.2	2	<0.2	3	<0.2	2	<0.2	2	1	<0.2	<1	<1
MW-22B	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	4	NS (3)	NS (2)	0.3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-24B	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-29B	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)	NS (3)
MW-32B	NA	NA	NA	NA	NA	2,600	<0.5	4	NS (121)	239	NS (368)	NS (1,280)	NS (1,409)	NS (1,540)	NS (1,669)	1,800	3,700	1,300	1,800	2,300	3,400	45	2,700	260	1,500
MW-33B	2,400	2,000	NS (1,504)	1,000	1,600	2,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	1,610	1,620	837	1,410	120	NS (62)	3	250	120	140	980	690	73	360	1,300	480	1,000	84
MW-35B	62	64	68	64	56	77	64	66	86	66	54	88	NS (46)	3	5	25	45	46	76	69	89	56	97	78	22
MW-36B	NS (0.5)	NS (0.5)	<0.5	2	1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-38B	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	2
MW-39B	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.08	<0.08	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-40B	26	28	NS (24)	19	16	13	13	11	12	11	10	14	NS (10)	6	9	11	10	10	8	6	8	6	8	8	<50 (8)
MW-41B	NS (10)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (12)	NS (12)	NS (12)	NS (12)	12	16	10	14	38	11	<0.2	14	16	13
MW-42B	NS (0.8)	<0.5	NS (0.7)	NS (0.8)	<1	<1	<3	<0.08	<0.08	<0.2	<0.08	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-49B	10	100	NS (53)	6	56	6	110	63	469	69	346	260	NS (344)	NS (430)	NS (514)	600	500	380	470	610	540	230	470	NS (470)	NS (470)
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	<0.2	52	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-55B	NA	NA	NA	NA	NA	780	890	881	809	648	846	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	NA	NA	NA	NA	NA	1,400	1,500	733	1,490	716	1,250	820	NS (827)	NS (833)	840	520	710	630	1,000	940	1,100	790	1,300	600	989
MW-59B	NS (0.5)	NS (0.5)	<0.5	<0.5	<1	<1	<0.5	<0.08	0.1	<0.2	<0.08	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-60B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-61B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-62B	<0.5	<0.5	<0.5	<0.5	4	<1	2	<0.08	<0.08	<0.08	<0.08	2	NS (1)	<0.2	<0.2	<0.2	2	<0.2	1	<0.2	3	<0.2	<0.2	<1	<25 (1)
MW-63B	NA	210	NS (115)	19	24	<1	2	10	87	76	108	48	NS (198)	350	110	18	100	4	41	210	69	230	240	83	150
MW-67B	NS (0.5)	NS (0.5)	<0.5	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-68B	NA	NA	NA	NA	NA	2,700	2,400	2,350	2,880	1,510	2,180	2,200	NS (2,101)	2,000	1,400	1,400	2,300	150	810	71	130	1,700	2,400	850	64
MW-70B	NA	NA	NA	NA	NA	NA	210	2,010	NS (2,198)	2,390	2,550	NS (2,136)	NS (2,078)	NS (2,018)	NS (1,960)	1,900	1,500	1,100	1,600	1,900	2,300	1,800	2,000	2,200	2,200
MW-71B	NA	NA	NA	NA	NA	12	1	12	103	39	2	27	NS (15)	2	130	2	82	12	43	6	23	<0.2	10	0.5	<1
MW-72B	NA	NA	NA	NA	NA	NA	1,400	1,450	1,230	932	NS (965)	1,200	NS (917)	630	1,100	700	920	980	1,000	940	910	900	1,300	960	862
MW-73B	NA	NA	NA	NA	NA	10	<0.5	0.2	0.2	<0.2	3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	NA	NA	NA	NA	NA	350	710	552	NS (673)	795	652	710	NS (770)	830	590	120	780	7	140	540	400	<0.2	<0.2	<1	260
MW-75B	NA	NA	NA	NA	NA	610	850	369	NS (435)	502	298	NS (185)	NS (169)	NS (152)	NS (136)	120	7	2	1	NS (34)	NS (66)	NS (98)	130	11	340
MW-76B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-80B	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	0.09	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-81B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-82B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NS (0.2)	<0.2	<0.2	<1	<1
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	30	32	21	21	7	22	30	33	3	7	4	15	13
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	2	2	10	6	2	0.5	0.3	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-88B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	NS (1)
MW-89B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-90B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	NS (1)
MW-92B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-93B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-96B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-98B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
P-10	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
P-11	<0.5	<0.5	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	0.2	<0.08	0.2	NS (0.2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
P-12	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
TW-41B	NA	<0.5	NS (0.7)	NS (0.8)	<1	<1	<0.5	<0.08	0.3	<0.2	0.6	1	NS (2)	<2	<1	0.4	2	0.7	<1	2	2	0.4	<1	2	1

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran B-CZ/TZ Input Data

	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	2H-2003	1H-2004	1H-2005	2H-2005
MW-10B	NA	NA	250	260	120	57	258	130	41	<10	34	NS (24)	15	200	36	29	32	76	NS (37)	17	5	29
MW-11B	NA	NA	230	330	130	59	239	<500 (139)	41	<10	47	NS (31)	16	180	100	68	78	120	NS (51)	16	0.3	29
MW-12B	NA	NA	NA	NA	NA	NA	NA	158	NS (170)	NS (183)	NS (208)	220	NS (225)	NS (229)	NS (234)	NS (239)	NS (243)	NS (248)	NS (257)	NS (262)	NS (271)	NS (276)
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8)	NS (6)	NS (3)	<0.9	NS (2)	3	5	2	3	2	NS (2)	NS (2)	NS (2)	NS (2)
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54	NS (41)	28	34	16	36	31	31	NS (28)	NS (22)	NS (19)
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	<0.3	<0.3	0.3	<0.3	<0.07	NS (0.07)	NS (0.06)	NS (0.06)	NS (0.06)
MW-29B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3	<0.07	NS (0.07)	NS (0.06)	NS (0.06)	NS (0.06)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.07)	NS (0.06)
MW-39B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	NS (0.1)	NS (0.1)
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.08	NS (85)	NS (127)
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258	NS (343)	NS (385)
MW-42B	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-60B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-61B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-62B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-67B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-80B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-81B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-82B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-89B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-90B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-92B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-93B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-96B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-98B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
P-10	28	13	32	33	30	12	51	2,800	12	38	44	NS (101)	160	160	110	130	140	11	NS (4)	<0.08	0.9	31
P-11	38	26	73	59	49	<10	48	<50	<10	<10	<10	NS (38)	67	5	<0.3	<0.3	0.9	0.2	NS (3)	4	13	NS (11)
P-12	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	NS (6)	<2	<0.3	<0.3	<0.3	<0.3	<0.07	NS (0.07)	<0.08	<0.08	<0.08
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran B-CZ/TZ Input Data

	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020
MW-10B	0.2	32	3	33	26	39	35	23	18	25	37	19	38	20	40	302	<5	26	48	21	28	13	22
MW-11B	26	36	3	41	27	65	31	54	12	48	6	38	<0.5	40	4	23	<11	20	<0.02	32	<0.02	51	<0.02
MW-12B	NS (281)	NS (285)	290	NS (247)	204	NS (226)	NS (249)	NS (271)	NS (293)	NS (315)	NS (337)	NS (360)	NS (382)	NS (404)	NS (427)	NS (449)	NS (471)	NS (493)	NS (649)	NS (671)	NS (693)	NS (715)	NS (738)
MW-14	NS (2)	NS (2)	2	NS (1)	0.5	0.5	0.5	NS (0.4)	0.4	NS (0.4)	0.3	0.3	0.2	0.3	0.5	0.4	0.4	0.4	0.2	NS (0.1)	<0.02	0.09	<0.02
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	52	13	59	51	27	3	NS (1)	0.1	13	<0.02
MW-22B	NS (16)	NS (13)	NS (10)	NS (7)	4	67	5	NS (4)	2	NS (1.0)	<0.08	0.7	8	46	NS (33)	NS (21)	8	41	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NS (0.7)	0.3	<0.02	<0.3
MW-24B	NS (0.05)	NS (0.05)	<0.05	NS (0.3)	0.6	<0.3	<0.08	NS (0.08)	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-29B	NS (0.05)	NS (0.05)	<0.05	NS (0.2)	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	1	<19	NS (31)	43	NS (457)	NS (3,389)	NS (3,804)	NS (4,226)	NS (4,640)	NS (5,062)
MW-33B	NA	NA	175	NS (147)	118	205	460	NS (321)	180	NS (175)	170	530	380	150	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<385 (50)	50	77	87	2	NS (1.0)	0.08	12	4
MW-35B	NA	NA	391	NS (295)	198	104	160	NS (195)	230	220	200	210	97	140	161	252	256	138	220	NS (118)	15	29	54
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.08	<0.08	<0.05	<0.05	0.1	<0.1	<0.08	<0.4	<0.08	<0.02	NS (0.02)	<0.02	0.09	<0.1
MW-38B	NS (0.06)	NS (0.05)	<0.05	NS (0.2)	<0.3	<0.3	<0.08	NS (0.08)	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.3	<0.08	<0.08	0.09	<0.4	8	NS (4)	<0.02	0.1	5
MW-39B	NS (0.2)	NS (0.2)	0.2	NS (0.3)	<0.3	<0.3	<0.08	NS (0.08)	<0.08	NS (0.08)	<0.08	<0.05	0.4	0.07	<0.08	<0.08	<0.8	<0.08	0.1	NS (0.06)	<0.02	0.04	0.2
MW-40B	NS (170)	NS (212)	255	NS (247)	239	2,130	250	NS (235)	220	NS (157)	92	130	150	170	206	242	252	178	160	NS (115)	69	130	290
MW-41B	NS (427)	NS (469)	512	NS (329)	142	NS (152)	NS (163)	NS (173)	NS (183)	NS (194)	NS (204)	NS (214)	NS (225)	NS (235)	NS (245)	NS (256)	NS (266)	NS (276)	NS (349)	NS (359)	NS (369)	NS (380)	390
MW-42B	NS (0.05)	NS (0.05)	<0.05	NS (0.4)	0.7	NS (0.6)	NS (0.5)	NS (0.5)	0.4	NS (0.3)	NS (0.2)	<0.1	0.2	0.07	0.2	0.1	0.2	<0.08	<0.02	NS (0.02)	<0.02	0.04	0.07
MW-49B	NA	NA	NA	NA	NA	NA	71	NS (37)	3	NS (1)	0.2	2	19	120	200	<8	484	80	30	NS (42)	NS (53)	NS (65)	NS (76)
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.08
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	230	<15	309	<385 (223)	138	NS	NS	NS	NS	NS
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	380	814	322	392	226	290	NS (300)	NS (310)	320	490
MW-59B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	<0.08	<0.2	<0.02	NS (0.02)	<0.02	<0.02	<0.05
MW-60B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-61B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-62B	NA	NA	NA	NA	NA	NA	2	NS (8)	13	0.3	<0.08	230	0.1	38	0.2	<0.08	<0.08	0.09	48	NS (24)	<0.02	0.05	4
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	22	NS (18)	13	5	2	3	6	1	2	7	2	NS (5)	9	11	<0.06
MW-67B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	<0.08	<0.05	0.1	<0.05	<0.08	<0.08	<0.08	<0.08	0.07	NS (0.04)	<0.02	<0.02	<0.02
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	300	260	325	284	198	380	NS (251)	120	210	500
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	690	345	NS (350)	355	278	NS (4,049)	NS (4,582)	NS (5,125)	NS (5,658)	6,200
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	<0.2	2	29	18	<0.08	4	NS (2)	<0.02	16	5
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180	355	348	1,210	NS (1,076)	130	NS (74)	17	160	61
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.8	0.07	<0.08	<0.08	10	<0.08	NS	NS	NS	NS	NS
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250	190	252	NS (1,039)	1,840	<157	1,400	NS (745)	79	190	720
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	290	230	53	NS (800)	1,560	214	NS (422)	NS (451)	NS (481)	NS (510)	540
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.02
MW-80B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	<0.02	NS (0.02)	<0.02	<0.02	0.05
MW-81B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	<0.02	NS (0.02)	<0.02	<0.02	<0.02
MW-82B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	NS (0.02)	<0.02	<0.02	0.04
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	23	20	14	23
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220	77	<0.02	5	15
MW-88B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-89B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	<0.02	<0.02	<0.1
MW-90B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02	<0.02	<0.02	0.1
MW-92B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-93B	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	0.07
MW-96B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-98B	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
P-10	33	9	4	27	2	2	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5	<0.08	<0.08	0.1	3	0.9	5	<0.02	<0.02	<0.02
P-11	NS (9)	NS (7)	NS (5)	NS (2)	<0.3	<0.3	0.2	NS (0.2)	0.09	NS (0.09)	<0.08	0.1	4	0.6	0.1	<0.08	1	0.2	2	NS (0.8)	<0.02	0.08	0.2
P-12	<0.08	<0.06	<0.06	<4	7	<0.3	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5	<0.08	<0.08	<0.07	<0.08	<0.02	<0.02	<0.02	<0.02	<0.02
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	<0.08	NS (10)	NS (19)	29	<0.05	16	<0.08	10	<0.08	85	34	NS (30)	26	74	55

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran B-CZ/TZ Input Data

	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-10B	7	17	2	6	3	2	2	1	6
MW-11B	24	6	34	9	20	2	21	6	23
MW-12B	760	49	150	260	900	140	270	82	79
MW-14	0.06	0.2	0.03	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1
MW-15B	10	6	22	7	18	5	2	<0.1	0.4
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	0.06	0.06	<0.02	0.1	<0.2	<0.02	<0.2	1	0.07
MW-24B	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-29B	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-32B	NS (5,479)	5,900	160	220	4,100	95	250	580	140
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	9	27	40	16	22	31	17	44	2
MW-35B	54	96	63	31	93	33	39	53	17
MW-36B	0.4	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	0.4	<0.1
MW-38B	<0.02	<0.02	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	18
MW-39B	<0.1	<0.02	<0.02	<0.02	0.3	<0.02	<0.05	<0.1	0.1
MW-40B	81	240	160	100	73	43	83	80	71
MW-41B	33	39	51	240	550	210	350	94	92
MW-42B	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-49B	88	210	760	330	330	350	270	NS (270)	NS (270)
MW-50B	0.6	0.5	<0.02	0.07	<0.02	<0.02	<0.02	0.09	<0.1
MW-54B	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-55B	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	56	38	150	68	180	140	110	82	88
MW-59B	<0.02	<0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-60B	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-61B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.04
MW-62B	38	1	21	<0.02	45	<0.02	<0.02	<0.1	50
MW-63B	2	<0.8	9	4	6	9	5	27	19
MW-67B	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.06
MW-68B	1,300	69	3,200	120	280	170	86	69	53
MW-70B	570	120	220	2,500	NS (1,394)	270	350	NS (380)	410
MW-71B	2	0.1	7	3	2	<0.02	0.2	1	<0.5
MW-72B	52	46	66	88	110	44	59	60	64
MW-73B	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	270	85	280	1,600	4,800	<0.02	<0.02	200	400
MW-75B	47	7	410	NS (402)	NS (395)	NS (387)	380	120	4,300
MW-76B	0.1	<0.02	0.06	0.08	<0.02	0.05	<0.02	<0.1	<0.1
MW-80B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<1
MW-81B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	<0.1
MW-82B	<0.02	0.05	<0.02	<0.02	NS (0.02)	<0.02	<0.02	<0.1	<0.1
MW-83B	8	31	42	37	9	4	15	19	14
MW-84B	2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	<0.1
MW-88B	<0.02	<0.02	<0.02	0.1	0.05	<0.02	<0.02	<0.1	<0.1
MW-89B	<0.02	<0.02	<0.02	0.2	<0.02	<0.02	<0.02	<0.1	0.3
MW-90B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	NS (0.1)
MW-92B	<0.02	<0.02	<0.02	0.4	<0.02	<0.02	<0.2	0.06	<0.1
MW-93B	<0.02	<0.02	<0.02	<0.02	<0.03	<0.02	<0.02	<0.1	<0.1
MW-96B	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.1	0.06
MW-98B	<0.04	0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.1	<0.1
P-10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.3
P-11	<0.2	3	0.08	2	0.06	0.5	0.1	0.1	25
P-12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.06
TW-41B	34	29	79	53	78	4	33	10	60

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Naphthalene B-CZ/TZ Input Data

	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	2H-2003	1H-2004
MW-10B	NA	NA	3,000	9,300	4,900	1,300	4,990	650	230	<10	249	NS (137)	23	1,200	180	1	75	330	NS (112)	2
MW-11B	NA	NA	1,100	1,600	1,700	750	2,440	<100	320	<10	608	NS (346)	79	1,500	470	500	220	700	NS (242)	12
MW-12B	NA	NA	NA	NA	NA	NA	NA	2,440	NS (2,949)	NS (3,466)	NS (4,491)	5,000	NS (5,089)	NS (5,178)	NS (5,267)	NS (5,355)	NS (5,444)	NS (5,532)	NS (5,709)	NS (5,798)
MW-14	NA	NA	NA	NA	NA	NA	NA	<10	NS (12)	NS (14)	NS (18)	20	NS (27)	34	67	21	24	15	NS (13)	NS (12)
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000	NS (502)	9	6	6	11	8	6	NS (5)
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75	<0.3	0.6	0.9	<0.3	<0.1	NS (0.09)	NS (0.08)
MW-29B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.3	<0.3	<0.3	0.2	NS (0.2)	NS (0.2)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.07
MW-39B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17,650
MW-42B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-62B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-67B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-80B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-81B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-82B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-89B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-90B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-92B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-93B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-96B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-98B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-10	550	560	210	1,200	580	510	2,010	40	230	5,800	902	NS (2,597)	4,320	4,400	3,800	3,200	2,300	200	NS (67)	<0.07
P-11	230	280	190	200	200	26	75	<10	15	<10	<10	NS (6)	2	110	<0.3	<0.3	<0.3	2	NS (5)	7
P-12	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5)	0.1	<0.3	<0.3	0.5	<0.3	<0.1	NS (0.08)	<0.07
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Naphthalene B-CZ/TZ Input Data

	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014
MW-10B	2	79	<0.06	90	0.2	25	19	14	3	8	4	56	75	2	84	4	4	207	65	125
MW-11B	<0.06	186	3	100	0.1	90	35	77	<0.8	48	<0.6	7	<0.6	60	<0.5	4	<0.08	5	0.4	14
MW-12B	NS (5,976)	NS (6,064)	NS (6,153)	NS (6,241)	6,330	NS (5,943)	5,550	NS (5,424)	NS (5,297)	NS (5,173)	NS (5,046)	NS (4,921)	NS (4,794)	NS (4,669)	NS (4,542)	NS (4,416)	NS (4,289)	NS (4,164)	NS (4,037)	NS (3,913)
MW-14	NS (10)	NS (9)	NS (8)	NS (7)	6	NS (4)	2	3	3	NS (3)	3	NS (3)	2	1	1	<2	2	2	<2	1
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	820	57	943	248	452
MW-22B	NS (4)	NS (3)	NS (3)	NS (2)	NS (2)	NS (1)	0.7	4	0.2	NS (0.3)	0.4	NS (0.2)	<0.1	<0.05	3	32	NS (65)	NS (97)	130	977
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NS (0.07)	NS (0.06)	NS (0.05)	NS (0.05)	<0.04	NS (0.5)	1	<0.4	<0.1	NS (0.5)	0.8	NS (0.5)	<0.1	<0.05	<0.05	0.2	<0.08	<0.08	NS	NS
MW-29B	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	0.2	NS (0.3)	<0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26,000	<0.6	<19	NS (1,086)	2,170	NS (2,886)
MW-33B	NA	NA	NA	NA	15,000	NS (13,760)	12,500	16,000	20,000	NS (15,041)	10,000	NS (8,512)	7,000	13,000	21,000	7,300	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,900	6,540	1,680	6,590
MW-35B	NA	NA	NA	NA	17,000	NS (13,182)	9,300	365	12,000	NS (12,992)	14,000	11,000	4,800	12,000	7,400	7,600	8,830	14,100	13,100	9,360
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	<0.1	<0.05	<0.2	<0.05	<0.9	0.09	0.8	<0.08
MW-38B	NS (0.08)	NS (0.09)	NS (0.10)	NS (0.1)	0.1	NS (0.3)	<0.4	<0.4	5	NS (2)	<0.1	NS (0.2)	0.3	<0.05	0.4	<2	<0.08	<0.08	0.5	<2
MW-39B	NS (2)	NS (2)	NS (1)	NS (1)	0.7	NS (0.6)	<0.4	<0.4	0.5	NS (0.4)	0.2	NS (0.5)	0.8	<0.05	<0.3	0.2	0.4	<0.08	<0.8	<0.08
MW-40B	NS (3,226)	NS (4,821)	NS (6,443)	NS (8,038)	9,660	NS (9,501)	9,340	NS (9,519)	9,700	NS (8,857)	8,000	NS (7,058)	6,100	4,000	4,200	6,000	6,780	7,730	6,070	4,240
MW-41B	NS (14,621)	NS (13,123)	NS (11,601)	NS (10,103)	8,580	NS (6,591)	4,570	NS (4,795)	NS (5,023)	NS (5,248)	NS (5,476)	NS (5,700)	NS (5,928)	NS (6,152)	NS (6,380)	NS (6,605)	NS (6,833)	NS (7,058)	NS (7,286)	NS (7,510)
MW-42B	NA	NA	NA	NA	0.8	NS (0.8)	0.7	NS (0.6)	NS (0.5)	NS (0.4)	0.4	NS (0.4)	NS (0.4)	<0.5	<0.6	2	0.5	3	2	0.4
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	1,400	NS (820)	230	NS (116)	<0.2	130	47	2,300	1,580	9,380	6,750	5,570
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21,000	24,000	2,300	21,900	24,300	13,500
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24,000	27,000	18,900	18,100	10,600	17,000
MW-59B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	<0.1	<0.05	0.1	0.06	<0.3	<0.2	<0.2	<6
MW-60B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-61B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-62B	NA	NA	NA	NA	NA	NA	NA	NA	3	NS (1)	0.3	10	<0.1	35	<0.2	6	<1	<0.08	<0.08	<0.08
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,100	NS (1,940)	760	490	27	44	251	146	374	1,690
MW-67B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	0.6	<0.05	2	0.5	<0.08	0.4	<0.7	0.3
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,000	26,000	11,800	31,200	17,600	12,600
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,300	17,300	NS (23,647)	30,100	18,100
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51	<2	0.09	2,070	504	<0.5
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000	NS (20,537)	25,000	NS (23,658)	NS (22,337)
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	<0.6	<0.4	<0.7	91	<0.08
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000	10,000	13,900	NS (15,226)	NS (16,574)	17,900
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,900	9,300	211	NS (13,545)	27,100	5,700
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-80B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
MW-81B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.08
MW-82B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-89B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-90B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-92B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-93B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-96B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-98B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-10	14	464	433	62	20	297	<0.4	0.8	<0.8	<0.6	<0.6	<0.6	<0.6	<0.5	<0.5	<0.5	<0.08	<0.08	<0.07	0.9
P-11	198	NS (171)	NS (143)	NS (115)	NS (88)	NS (60)	32	<0.4	3	NS (3)	3	NS (1)	<0.1	0.1	2	<0.3	0.7	<0.08	55	<0.08
P-12	<0.06	<0.06	<0.06	<0.07	<0.07	<1	6	0.6	<0.8	<0.6	<0.6	<0.6	<0.6	<0.5	<0.5	<0.5	<0.08	<0.08	<0.07	<0.08
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	NS (16)	NS (33)	49	<0.5	<1	0.2	3	<0.3	149

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Naphthalene B-CZ/TZ Input Data

	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-10B	1	0.7	0.6	0.2	2	<0.7	1	<0.07	0.3	0.2	0.1	0.2	0.1	44
MW-11B	<0.02	340	<0.02	1,100	<0.02	300	2	500	2	170	<0.02	160	<0.1	140
MW-12B	NS (3,029)	NS (2,904)	NS (2,777)	NS (2,653)	NS (2,526)	2,400	17	180	2,400	3,900	1,400	810	580	640
MW-14	0.7	NS (0.3)	<0.02	<2	<0.02	4	<0.4	2	<3	0.4	<0.02	<0.09	<0.1	0.2
MW-15B	20	NS (10)	<0.02	330	<0.02	320	99	420	<19	280	94	<0.6	0.04	1
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	4	NS (2)	0.2	<0.02	<0.1	<0.02	<0.02	<0.02	0.1	1	<0.02	<0.2	9	0.06
MW-24B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-29B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32B	NS (7,949)	NS (8,665)	NS (9,393)	NS (10,109)	NS (10,836)	NS (11,556)	NS (12,284)	13,000	12,000	NS (10,016)	8,000	9,200	16,000	5,600
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	69	NS (35)	0.04	530	5	950	3,200	4,400	1,200	880	2,800	750	2,800	0.3
MW-35B	15,000	NS (7,601)	79	1,100	2,000	2,100	1,900	6	14	5	1	1	1	63
MW-36B	<0.02	NS (0.02)	<0.02	6	<0.9	10	<0.02	<0.02	<0.02	<0.02	0.2	<0.02	5	0.04
MW-38B	1	NS (0.5)	<0.02	3	1	<0.02	0.02	<0.2	<0.02	<0.2	<0.02	<0.02	0.09	180
MW-39B	0.8	NS (0.5)	<0.09	<0.4	2	<1	0.07	<0.02	<0.09	3	<0.02	<2	<0.1	0.2
MW-40B	1,800	NS (1,552)	1,300	3,600	7,900	2,300	5,100	4,000	1,500	2,500	740	2,200	3,400	2,900
MW-41B	NS (9,096)	NS (9,320)	NS (9,548)	NS (9,772)	10,000	2,300	560	2,200	3,700	10,000	4,200	3,000	5,100	4,800
MW-42B	0.5	NS (0.3)	<0.02	<0.4	<0.8	<0.03	<0.3	<0.2	<0.1	0.4	<0.02	0.3	0.04	0.05
MW-49B	2,500	NS (2,818)	NS (3,140)	NS (3,458)	NS (3,781)	4,100	4,500	13,000	15,000	8,900	6,300	5,000	NS	NS
MW-50B	NA	NA	NA	NA	310	<0.06	<0.7	<0.03	<0.3	<0.02	0.2	<0.02	0.3	0.4
MW-54B	NA	NA	NA	NA	2	<0.4	<0.06	<0.3	<0.02	<0.02	0.03	<0.02	0.08	<0.1
MW-55B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	12,000	NS (13,658)	NS (15,342)	17,000	13,000	22,000	4,400	9,400	7,100	15,000	11,000	5,300	2,900	5,700
MW-59B	<0.02	NS (0.05)	0.07	<0.2	<0.2	0.2	<0.02	0.05	<0.1	0.05	<0.02	<0.02	<0.1	<0.1
MW-60B	NA	NA	NA	NA	<0.02	<0.1	0.04	0.7	<0.02	0.1	<0.02	<0.2	0.2	0.02
MW-61B	NA	NA	NA	NA	<0.02	<0.03	<0.1	<0.02	<0.1	<0.07	0.04	<0.02	<0.1	0.1
MW-62B	38	NS (19)	<0.02	0.3	1	92	<0.1	69	<0.02	230	0.1	0.08	0.2	130
MW-63B	290	NS (1,188)	2,100	1,500	<0.4	290	<0.2	910	490	900	2,100	800	28,000	3,500
MW-67B	0.5	NS (0.2)	<0.02	0.08	<0.02	0.6	0.7	0.06	<0.02	0.1	<0.02	0.06	<0.1	2
MW-68B	23,000	NS (14,074)	5,000	9,900	12,000	29,000	2,800	30,000	2,900	4,900	11,000	2,800	3,400	<1
MW-70B	NS (16,290)	NS (16,034)	NS (15,774)	NS (15,518)	NS (15,257)	15,000	4,900	15,000	22,000	NS (19,521)	17,000	9,100	NS (11,061)	13,000
MW-71B	0.5	NS (0.3)	<0.02	440	6	230	5	140	<0.3	0.5	0.05	0.05	<0.1	<0.5
MW-72B	13,000	NS (7,148)	1,200	12,000	2,000	8,800	5,600	7,100	9,400	9,400	3,200	5,200	3,500	3,900
MW-73B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	21,000	NS (12,570)	4,000	13,000	8,500	5,900	250	12,000	19,000	NS (9,578)	<0.02	0.04	410	0.6
MW-75B	NS (6,846)	NS (7,008)	NS (7,173)	NS (7,335)	7,500	1,400	<0.2	7	NS (937)	NS (1,853)	NS (2,784)	3,700	2,700	29,000
MW-76B	NA	NA	NA	NA	0.1	2	0.03	<0.2	<0.3	<0.05	<0.02	<0.02	<0.1	<0.1
MW-80B	<0.02	NS (0.04)	0.07	<0.02	<0.3	<0.07	<0.2	<0.02	<0.2	0.2	<0.02	<0.02	<0.1	<1
MW-81B	<0.02	NS (0.09)	0.2	0.1	<0.2	1	<0.07	<0.08	<0.1	<0.02	<0.02	<0.02	1	0.3
MW-82B	0.2	NS (0.1)	<0.02	<0.02	<0.4	<0.02	<0.02	<0.3	0.1	NS (0.08)	0.05	<0.02	<0.1	<0.1
MW-83B	14,000	1,500	1,600	770	1,200	320	1,900	2,600	2,100	250	130	340	670	1,100
MW-84B	2,400	950	<0.02	60	130	25	<0.02	0.5	<0.02	<0.02	<0.02	<0.2	<0.1	0.3
MW-88B	NA	NA	NA	NA	<0.02	<0.08	<0.02	<0.4	0.5	1	<0.02	<0.04	<0.1	<0.1
MW-89B	NA	0.9	<0.02	0.3	<0.3	<0.2	<0.02	0.05	3	0.04	0.1	<0.02	0.03	2
MW-90B	NA	<0.02	0.05	0.09	3	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.2	<0.1	NS
MW-92B	NA	NA	NA	NA	<0.02	<0.1	<0.02	<0.02	5	<0.2	<0.02	<0.2	0.3	<0.1
MW-93B	NA	NA	NA	NA	<0.02	<0.02	0.08	0.06	0.1	<0.07	<0.02	<0.02	0.1	<0.1
MW-96B	NA	NA	NA	NA	0.08	<0.02	<0.02	<0.02	<0.02	<0.06	0.02	21	<0.1	0.1
MW-98B	NA	NA	NA	NA	0.04	<0.2	0.3	<0.1	<0.3	<0.04	<0.02	<0.02	0.03	<0.1
P-10	3	0.1	<0.02	0.06	0.2	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	0.07	<0.1	0.7
P-11	2	NS (1)	<0.02	<2	0.5	<0.1	2	<0.2	<0.4	0.1	2	<0.02	<0.1	140
P-12	<0.02	<0.02	<0.02	<0.02	0.2	<0.02	<0.02	<0.02	<0.02	0.4	<0.02	0.05	<0.1	0.3
TW-41B	280	NS (171)	61	690	58	600	13	1,300	210	700	<0.02	180	4	170

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

2,4-Dimethylphenol C-TZ Input Data

	1H-1997	2H-1999	1H-2000	1H-2004	1H-2007	1H-2008	2H-2008	1H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012
MW-12C	<10	<10	NS (9)	NS (4)	<0.2	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05
MW-15C	<10	<1	NS (0.9)	NS (0.5)	<0.2	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05
MW-17C	NA	NA	NA	25	<0.05	<3	0.5	3	44	NS (24)	4	1,500	<0.05
MW-18C	<10	<1	NS (0.9)	NS (0.4)	<0.05	<150	<3	84	8	NS (10)	12	3	10
MW-19C	NS (1)	<1	NS (0.9)	NS (0.4)	<0.05	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05
MW-21C	NS (10)	<10	NS (9)	NS (4)	<0.05	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05
MW-23C	NS (1)	<1	NS (0.9)	NS (0.4)	<0.05	NS (0.06)	NS (0.07)	<0.08	<0.08	NS (0.08)	<0.08	4	1
MW-24C	NS (1)	NS (1)	<1	NS (0.5)	<0.2	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05
MW-25C	NS (1)	NS (1)	<1	NS (3)	5	<2,900 (3)	NS (2)	NS (2)	<0.08	NS (0.08)	<0.08	5	<0.05
MW-27C	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	0.5	<0.4	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05
MW-28C	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	1	<0.08	0.2	NS (0.1)	0.09	<0.05	<0.05
MW-29C	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-34C	NS (0.1)	NS (0.1)	NS (0.1)	<0.1	NS (4)	<6	NS (5)	NS (4)	NS (3)	NS (2)	NS (2)	NS (0.9)	0.2
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	0.2	<0.05	2	NS (2)	NS (2)	NS (1.0)	NS (0.7)	NS (0.4)	<0.05	NS (0.4)
MW-45C	NA	NA	NA	2	<0.05	10	NS (10)	NS (10)	NS (9)	NS (8)	NS (8)	NS (7)	NS (7)
MW-46C	NA	NA	NA	0.9	<0.05	<1	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1)	NS (1.0)
MW-47C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.08	0.1	NS (0.10)	<0.08	<0.05	<0.05
MW-48C	NS (2)	NS (2)	NS (2)	2	<0.05	<0.3	<0.3	<0.08	7	<0.08	<0.08	<0.05	<0.05
MW-51C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-53C	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05
MW-54C	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	<0.05	<0.3	<0.3	<0.08	<0.08	NS (0.08)	<0.08	<0.05	0.1
MW-68C	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	0.1	0.3	1
MW-70C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-76C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-83C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-85C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-86C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-87C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-88C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)
MW-99C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2,4-Dimethylphenol C-TZ Input Data

	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022
MW-12C	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	0.4	<0.04	<0.04	0.08	0.1	<0.04
MW-15C	<0.05	113,000	<0.3	<3	<0.3	<0.04	<0.04	5	<0.04	<0.04	0.1	<0.04	<0.04
MW-17C	39	42	<30	<30	7,090	590	470	210	<0.04	170	710	2,100	76
MW-18C	<2	<153	<15	<30	33	82	290	5	23	67	<0.4	10	6
MW-19C	0.2	1	<0.3	<0.6	<0.3	3	<0.3	<0.6	<0.04	<0.04	<0.04	<0.04	0.2
MW-21C	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	<0.04	<0.04
MW-23C	28	<3	<15	<73	202	NS (103)	NS (75)	NS (61)	<47	22	7	15	47
MW-24C	<0.05	<0.3	<0.3	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-25C	<0.05	<298	<31	372	<0.3	8	<0.04	8	6	18	<0.04	3	0.6
MW-27C	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
MW-28C	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04
MW-29C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	<0.3	<0.04	<0.04	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04
MW-44C	<0.8	<1,490 (0.7)	NS (0.7)	NS (0.6)	NS (0.6)	NS (0.3)	NS (0.2)	NS (0.2)	0.1	<0.04	<0.04	<0.04	0.2
MW-45C	NS (7)	NS (6)	NS (6)	NS (5)	NS (5)	NS (2)	NS (0.9)	NS (0.5)	<0.04	<0.04	<0.04	0.9	5
MW-46C	NS (0.9)	NS (0.9)	NS (0.8)	NS (0.8)	NS (0.7)	NS (0.4)	NS (0.3)	NS (0.2)	0.2	<0.04	0.2	<0.4	16
MW-47C	0.4	NS (0.4)	<0.3	NS (0.3)	<0.3	NS (0.1)	0.1	<0.04	0.2	<0.04	<0.04	<0.04	<0.04
MW-48C	0.1	<0.3	<0.3	<0.3	<0.3	<0.04	1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
MW-51C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<0.04	<0.04
MW-53C	<0.05	<0.3	<0.3	<1	<0.3	<0.04	<0.04	<0.04	<1	<0.04	<0.04	<0.04	<0.04
MW-54C	<0.05	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
MW-68C	1	NS (0.8)	<0.3	0.5	<0.3	2	<0.04	<0.04	<0.04	<0.04	0.5	<0.04	1
MW-70C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	0.4	<0.04	0.2	<0.04	<0.04
MW-76C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	2	4	<0.04	<0.4	0.1	0.06	<0.04	<0.04
MW-83C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	0.6	<0.04	<0.04	<0.04
MW-85C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.5
MW-86C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	0.2	<0.04	<0.04	<0.04	<0.04
MW-87C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
MW-88C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
MW-99C	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	NS (0.04)	<0.04	<0.04	<0.04	<0.04	<0.04

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2,4-Dimethylphenol C-TZ Input Data

	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-12C	<0.04	<0.04	<0.04	<0.2	<0.2
MW-15C	<0.04	<0.04	<0.04	<0.2	<0.2
MW-17C	640	240	<4	1	<100
MW-18C	9	<8	<4	9	11
MW-19C	<0.04	0.2	<0.04	<0.2	0.4
MW-21C	0.06	<0.04	<0.04	<0.2	<0.2
MW-23C	30	40	24	37	23
MW-24C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-25C	<4	<4	0.7	<0.2	3
MW-27C	<0.04	<0.04	<0.04	<0.2	NS (0.2)
MW-28C	<0.04	<0.04	<0.04	<0.2	<0.2
MW-29C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-34C	NA	NA	NA	NA	NA
MW-34CR	<0.04	<0.04	<0.04	0.2	<0.2
MW-44C	<0.04	<0.04	<0.04	<0.2	<0.4
MW-45C	<2,000 (4)	<4	4	7	12
MW-46C	20	<0.8	5	<0.2	<0.2
MW-47C	<0.04	<0.04	<0.04	<0.2	<0.2
MW-48C	<0.04	<0.04	<0.04	<0.2	0.06
MW-51C	<0.04	<0.04	<0.04	<0.2	3
MW-53C	<0.04	<0.04	<0.04	<0.2	8
MW-54C	<0.04	0.3	<0.04	<0.2	<0.2
MW-68C	<0.04	<0.04	<0.4	<0.2	0.05
MW-70C	<0.04	<0.04	<0.04	<0.2	0.07
MW-76C	<0.04	<0.04	<0.04	<0.2	<0.2
MW-83C	<0.04	<0.04	<0.4	<0.2	<0.2
MW-85C	0.6	<0.04	<0.04	<0.2	NS (0.2)
MW-86C	<0.04	<0.04	<0.04	<0.2	<0.2
MW-87C	<0.04	<0.04	<0.04	<0.2	0.1
MW-88C	<0.04	<0.04	<0.04	<0.2	<0.2
MW-99C	<0.04	<0.04	<0.04	<0.2	<0.2

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene C-TZ Input Data

	1H-1997	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2007	1H-2008	2H-2008
MW-12C	<10	<10	NS (5)	<0.2	<0.3	<0.2	<0.2	<0.07	NS (0.08)	0.09	<0.4	<0.4
MW-15C	20	<1	NS (2)	3	2	13	3	<0.07	NS (0.1)	0.2	<0.4	<0.4
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	294	77	1,090	95
MW-18C	125	100	NS (244)	NS (386)	530	1,400	NS (1,346)	NS (1,293)	NS (1,133)	812	894	674
MW-19C	NS (1)	<1	NS (0.7)	0.5	<0.3	0.3	<0.3	<0.07	NS (0.1)	0.2	1	<0.4
MW-21C	NS (10)	<10	NS (5)	<0.2	<0.3	<0.3	<0.2	<0.07	NS (0.07)	<0.08	<0.4	<0.4
MW-23C	NA	100	NS (160)	220	NS (240)	NS (260)	NS (280)	300	NS (355)	465	NS (1,531)	NS (2,063)
MW-24C	NA	NA	7	<0.2	<0.2	<0.3	<0.3	<0.07	NS (0.07)	0.07	<0.4	<0.4
MW-25C	NA	NA	1,300	NS (1,268)	NS (1,237)	NS (1,205)	NS (1,173)	NS (1,142)	NS (1,047)	857	193,000	NS (145,137)
MW-27C	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	<0.3	<0.07	NS (0.1)	0.3	<0.6	<0.4
MW-28C	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	0.6	0.2	NS (0.3)	0.5	<0.4	<0.4
MW-29C	NS (0.2)	NS (0.2)	NS (0.2)	NS (0.2)	<0.2	<0.3	<0.2	0.08	NS (0.07)	<0.06	<0.4	NS (0.4)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	212	NS (381)	437	NS (383)
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	NA	NA	NA	NA	NA	204	368	6	NS (5)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	1,174	812	1,010	NS (968)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	203	380	83	NS (87)
MW-47C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	<0.4	<0.4
MW-48C	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	NS (4)	4	<0.08	<0.4	<0.4
MW-51C	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-53C	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	<0.4	<0.4
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	109	140
MW-68C	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-83C	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)
MW-85C	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)
MW-86C	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-87C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-88C	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)
MW-99C	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene C-TZ Input Data

	1H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018
MW-12C	0.5	0.2	NS (0.2)	0.1	0.1	<0.05	0.09	0.1	0.1	0.2	<0.1	0.09
MW-15C	0.08	<0.07	NS (0.07)	<0.07	<0.05	0.1	0.2	350	<0.07	<0.7	<0.07	<0.02
MW-17C	85	99	NS (87)	75	7	62	100	176	151	144	20	1,100
MW-18C	950	460	NS (386)	310	340	160	460	977	871	1,060	778	440
MW-19C	0.3	2	NS (1.0)	0.2	1	<0.05	<0.05	0.8	0.1	1	0.8	0.4
MW-21C	<0.07	<0.07	NS (0.07)	<0.07	<0.05	0.07	<0.05	0.3	7	<0.2	<0.07	0.1
MW-23C	2,600	2,700	NS (1,956)	1,200	1,300	650	28,000	1,380	1,160	4,520	18,300	NS (6,723)
MW-24C	<0.07	<0.07	NS (0.07)	<0.07	<0.05	<0.05	0.08	<0.07	<0.07	NS (0.07)	NS (0.07)	NS (0.07)
MW-25C	NS (96,749)	760	NS (1,077)	1,400	1,300	920	900	800	1,320	1,460	943	710
MW-27C	<0.07	<0.07	NS (0.07)	<0.07	<0.05	<0.05	<0.05	<0.8	<0.07	<0.07	<0.07	0.4
MW-28C	0.1	0.2	NS (0.2)	0.08	<0.05	<0.05	0.1	<0.06	<0.07	0.07	<0.07	<0.02
MW-29C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-34C	NS (328)	NS (218)	NS (164)	NS (109)	NS (55)	0.1	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	<0.02
MW-44C	NS (4)	NS (2)	NS (2)	NS (0.8)	<0.05	NS (31,169)	62,000	1,150	NS (1,069)	NS (986)	NS (904)	NS (329)
MW-45C	NS (926)	NS (842)	NS (800)	NS (757)	NS (716)	NS (673)	NS (631)	NS (589)	NS (547)	NS (505)	NS (463)	NS (168)
MW-46C	NS (92)	NS (102)	NS (107)	NS (112)	NS (117)	NS (122)	NS (127)	NS (131)	NS (136)	NS (141)	NS (146)	NS (180)
MW-47C	<0.07	<0.07	NS (0.07)	<0.07	<0.05	4	<0.05	0.1	<0.07	NS (0.07)	<0.07	NS (0.03)
MW-48C	<0.07	180	<0.07	<0.07	<0.05	<0.05	1	<0.07	<0.07	<0.07	<0.07	<0.02
MW-51C	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	<0.07	<0.02
MW-53C	<0.07	0.07	NS (0.07)	<0.07	<0.05	0.08	<0.09	<0.07	<0.07	0.4	<0.08	<0.02
MW-54C	130	10	NS (5)	0.3	22	7	5	4	17	18	8	6
MW-68C	NS (0.07)	NS (0.07)	<0.07	0.2	0.2	<0.1	3	1	0.3	3	0.2	0.1
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	0.4	0.1
MW-83C	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	NS (2)	2
MW-85C	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	NS (0.1)	0.1
MW-86C	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-87C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	0.4
MW-88C	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	NS (0.05)	0.05
MW-99C	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

2-Methylnaphthalene C-TZ Input Data

	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-12C	0.4	0.2	0.2	0.05	0.2	0.2	<0.2	0.08	0.1	<0.1	0.07	0.4
MW-15C	<0.02	<0.7	<0.02	<0.02	<0.5	0.05	<0.1	<0.02	<0.02	<0.02	0.08	<0.1
MW-17C	25	26	0.07	48	8	25	52	16	7	69	5	76
MW-18C	330	280	310	320	150	220	160	320	370	160	93	1,600
MW-19C	<0.02	<0.07	<0.02	<0.02	<0.02	0.6	<0.05	<0.02	0.09	<0.05	2	0.6
MW-21C	<0.02	0.4	<0.02	<0.02	0.04	<0.02	<0.02	0.4	<0.02	<0.02	<0.1	<0.1
MW-23C	NS (3,421)	NS (1,784)	120	41	67	89	200	820	260	370	190	150
MW-24C	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)	NS (0.07)
MW-25C	400	540	960	510	290	300	290	<360 (315)	340	160	200	<1
MW-27C	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	NS (0.1)
MW-28C	<0.02	<0.02	<0.02	0.1	0.04	<0.02	<0.02	<0.02	0.06	<0.02	<0.1	<0.1
MW-29C	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)	NS (0.4)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	<0.08	NS (0.06)	NS (0.04)	<0.02	<0.02	0.2	0.09	<0.06	<0.02	<0.02	0.2	0.7
MW-44C	NS (164)	NS (83)	0.1	<0.02	0.09	<0.02	0.4	<0.02	<0.02	0.02	0.3	0.4
MW-45C	NS (84)	NS (43)	<0.1	44	<0.05	<0.02	43	4,000,000	290	78	310	52
MW-46C	NS (190)	NS (195)	200	59	0.1	10	53	71	<0.4	0.9	0.06	0.7
MW-47C	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	0.5	<0.02	<0.02	<0.1	<0.1
MW-48C	0.4	<0.02	<0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-51C	<0.02	<0.02	<0.06	<0.2	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.1	<1
MW-53C	<0.02	0.07	<0.3	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.06
MW-54C	1	2	2	0.2	0.9	0.8	1	<0.10	0.03	<0.02	0.3	0.6
MW-68C	<0.08	0.07	0.3	<0.1	<0.02	<0.02	0.4	0.08	0.2	<0.2	2	0.04
MW-70C	NA	NA	98	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.1
MW-76C	0.3	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	0.06	0.2	<0.1	<0.1
MW-83C	<0.02	0.1	0.2	0.2	<0.04	<0.02	<0.02	<0.02	<0.02	0.5	<0.1	<0.1
MW-85C	<0.02	<0.02	<0.04	<0.03	<0.02	<0.02	1	0.04	<0.02	<0.02	<0.1	NS (0.1)
MW-86C	<0.02	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.06
MW-87C	<0.02	<0.02	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-88C	<0.02	<0.02	<0.02	0.3	0.08	<0.02	<0.2	0.04	<0.02	<0.02	<0.1	<0.1
MW-99C	NS (0.09)	NS (0.09)	0.09	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Benzene C-TZ Input Data

	1H-1997	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2007	1H-2008	2H-2008	1H-2009	1H-2010
MW-12C	<5 (0.8)	<5 (0.8)	NS (0.8)	<0.8	1	<2	<2	<2	NS (2)	<3	<0.3	<0.3	<0.5	<0.5
MW-15C	<5 (0.4)	<0.4	NS (0.7)	1	<0.8	<2	<2	<2	NS (2)	<3	1	<0.3	1	1
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	93	73	57	43	30	24
MW-18C	<5	80	NS (164)	NS (246)	330	850	NS (889)	NS (928)	NS (1,046)	1,280	1,340	964	1,400	1,500
MW-19C	NA	<0.4	NS (0.6)	<0.8	<0.8	<2	<2	<2	NS (2)	<3	4	<0.3	<0.5	6
MW-21C	NA	<5 (0.8)	NS (0.8)	<0.8	<0.8	<2	<2	<2	NS (2)	<3	<0.3	<0.3	<0.5	<0.5
MW-23C	NA	40	NS (43)	46	NS (45)	NS (45)	NS (44)	43	NS (36)	21	NS (19)	NS (18)	17	12
MW-24C	NA	NA	<5 (0.8)	<0.8	<2	<2	<2	<2	NS (2)	<3	<3	<1	<0.5	<0.5
MW-25C	NA	NA	35	NS (39)	NS (43)	NS (48)	NS (52)	NS (56)	NS (68)	94	110	NS (110)	NS (110)	110
MW-27C	NA	NA	NA	NA	<2	<2	<2	<2	NS (2)	<3	<3	<1	<0.5	<0.5
MW-28C	NA	NA	NA	NA	<2	<2	<2	<2	NS (2)	<3	<0.3	<0.3	<0.5	<0.5
MW-29C	NA	NA	NA	NA	<2	<2	<2	<2	NS (2)	<3	<3	NS	NS	NS
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	18	NS (26)	29	NS (25)	NS (22)	NS (15)
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	NA	NA	NA	NA	NA	<3	<3	<0.3	NS (0.4)	NS (0.5)	NS (0.7)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	125	74	45	NS (43)	NS (41)	NS (37)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	81	90	22	NS (22)	NS (23)	NS (23)
MW-47C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.3	<1	<0.5	<0.5
MW-48C	NA	NA	NA	NA	NA	NA	NA	NA	<1	<3	<0.3	<1	<0.5	<0.5
MW-51C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-53C	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3	<0.3	<0.3	<0.5	<0.5
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3	<3	<0.3	<0.5	<0.5
MW-68C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-83C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-85C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-86C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-87C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-99C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Benzene C-TZ Input Data

	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020
MW-12C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.08	<0.08	<0.2	<0.2	<0.2	<0.2
MW-15C	NS (1)	1	<1	<1	<0.5	1	0.8	0.9	0.8	0.6	0.6	0.5	0.6
MW-17C	NS (24)	23	10	16	13	11	16	9	13	14	12	10	<0.2
MW-18C	NS (1,401)	1,300	1,200	1,300	1,200	1,510	1,230	1,510	1,450	1,400	300	1,200	1,100
MW-19C	NS (3)	<0.5	<1	5	<0.5	0.6	4	0.3	0.08	4	4	0.4	0.3
MW-21C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2
MW-23C	NS (10)	7	<10 (7)	<10 (7)	7	11	14	13	6	NS (4)	NS (3)	NS (3)	3
MW-24C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	NS	NS	NS	NS	NS	NS
MW-25C	NS (101)	92	76	39	30	30	28	22	12	1	<0.2	1	2
MW-27C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2
MW-28C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2
MW-29C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-34C	NS (12)	NS (8)	NS (5)	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	0.2	<0.2	<0.2	NS (0.6)	NS (0.9)
MW-44C	NS (0.8)	NS (0.9)	<1	NS (1.0)	<5 (1.0)	1	NS (0.9)	NS (0.9)	NS (0.8)	NS (0.4)	NS (0.3)	NS (0.3)	<0.2
MW-45C	NS (36)	NS (34)	NS (32)	NS (30)	NS (28)	NS (26)	NS (25)	NS (23)	NS (21)	NS (8)	NS (4)	NS (2)	0.5
MW-46C	NS (23)	NS (24)	NS (24)	NS (24)	NS (24)	NS (25)	NS (25)	NS (25)	NS (25)	NS (27)	NS (28)	NS (28)	28
MW-47C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	NS (0.2)	<0.2	<0.2	<0.2
MW-48C	<0.5	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2
MW-51C	NA	NA	NA	NA	NA	NA	NA	NA	0.1	<0.2	<0.2	<0.2	<0.2
MW-53C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2
MW-54C	NS (0.5)	<0.5	<1	<1	<0.5	<0.08	<0.08	<0.2	<0.08	<0.2	<0.2	<0.2	<0.2
MW-68C	0.8	2	3	7	8	1	4	2	7	5	<0.2	<0.2	0.6
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19
MW-76C	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.2	<0.2	<0.2	<0.2
MW-83C	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2
MW-85C	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	<0.2	0.9	<0.2
MW-86C	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2
MW-87C	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2
MW-88C	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2
MW-99C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Benzene C-TZ Input Data

	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-12C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-15C	0.5	0.7	0.5	<1	0.4	<0.2	<0.2	0.3	<1
MW-17C	7	18	19	11	8	9	13	<1	NS
MW-18C	960	1,300	980	890	980	1,200	1,200	1,200	857
MW-19C	0.6	2	0.5	<1	2	<0.2	1	1	<1
MW-21C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-23C	1	2	<5 (4)	6	6	13	10	110	11
MW-24C	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25C	2	2	<2	<0.2	<2	0.5	<4	2	<25 (2)
MW-27C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	NS
MW-28C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-29C	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	1	2	4	<0.2	<0.2	<0.2	<0.2	0.6	2
MW-44C	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-45C	3	2	2	0.8	170	<5	20	6	<1
MW-46C	4	2	<0.2	4	13	0.4	4	<1	<1
MW-47C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-48C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<5 (1)
MW-51C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-53C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-54C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-68C	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-70C	21	0.6	<0.2	<0.2	<0.2	<0.2	<0.2	<1	2
MW-76C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-83C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-85C	<5 (0.2)	<0.2	<0.2	<0.2	<10 (0.2)	<0.2	<1	<1	NS
MW-86C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-87C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-88C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1
MW-99C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Dibenzofuran C-TZ Input Data

	1H-1997	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2007	1H-2008	2H-2008
MW-12C	<10	<10	NS (5)	<0.3	<0.3	0.5	<0.3	<0.07	NS (0.06)	<0.05	<0.3	<0.3
MW-15C	104	100	NS (135)	170	190	130	200	120	NS (132)	157	34	90
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	123	130	610	190
MW-18C	49	200	NS (200)	NS (200)	200	460	NS (445)	NS (430)	NS (384)	293	263	230
MW-19C	NS (0.9)	<0.9	NS (1.0)	1	<0.3	0.4	<0.3	0.2	NS (0.3)	0.5	0.4	<0.3
MW-21C	NS (10)	<10	NS (5)	<0.3	<0.3	0.4	<0.3	<0.07	NS (0.1)	0.2	<0.3	<0.3
MW-23C	NA	300	NS (320)	340	NS (325)	NS (310)	NS (295)	280	NS (317)	392	NS (1,944)	NS (2,718)
MW-24C	NS (4)	NS (4)	4	<0.3	<0.3	<0.3	<0.3	<0.07	NS (0.06)	<0.05	0.6	<0.3
MW-25C	NA	NA	350	NS (342)	NS (334)	NS (326)	NS (317)	NS (309)	NS (285)	236	102,000	NS (76,659)
MW-27C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3	<0.07	NS (0.10)	0.2	0.4	<0.3
MW-28C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	0.3	<0.07	NS (0.1)	0.3	0.4	<0.3
MW-29C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	<0.3	<0.3	<0.3	<0.07	NS (0.06)	<0.05	<0.3	NS (0.3)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	87	NS (331)	412	NS (361)
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	NA	NA	NA	NA	NA	84	216	46	NS (39)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	224	338	488	NS (468)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	210	207	64	NS (68)
MW-47C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	0.3	<0.3
MW-48C	NA	NA	NA	NA	NA	NA	NA	NA	13	0.2	0.3	<0.3
MW-51C	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-53C	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	<0.3	<0.3
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	113	61	74
MW-68C	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)
MW-83C	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)
MW-85C	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)
MW-86C	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)
MW-87C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-88C	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)
MW-99C	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran C-TZ Input Data

	1H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018
MW-12C	0.4	0.1	NS (0.1)	0.1	<0.05	<0.05	0.05	0.09	0.09	0.1	<0.09	0.1
MW-15C	34	8	NS (13)	18	5	27	21	116	14	32	10	8
MW-17C	130	130	NS (160)	190	21	96	140	185	199	184	26	130
MW-18C	160	91	NS (110)	130	110	60	140	288	225	276	207	150
MW-19C	0.2	0.5	NS (0.4)	0.2	<0.6	0.1	<0.1	0.4	0.6	1	0.6	0.8
MW-21C	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	0.1	7	<0.3	<0.08	0.05
MW-23C	3,500	3,600	NS (2,608)	1,600	2,700	850	46,000	1,820	1,480	5,450	25,700	NS (9,442)
MW-24C	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	NS (0.08)	NS (0.08)	NS (0.08)
MW-25C	NS (51,040)	220	NS (369)	520	290	260	220	174	353	<8	276	210
MW-27C	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	<0.08	<0.08	0.4
MW-28C	<0.08	0.2	NS (0.1)	<0.08	0.2	<0.05	<0.05	<0.07	<0.08	<0.08	<0.08	<0.02
MW-29C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-34C	NS (309)	NS (206)	NS (155)	NS (103)	NS (52)	0.07	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.08	<0.02
MW-44C	NS (33)	NS (20)	NS (13)	NS (7)	<0.05	NS (19,104)	38,000	453	NS (421)	NS (388)	NS (356)	NS (130)
MW-45C	NS (447)	NS (407)	NS (386)	NS (366)	NS (346)	NS (325)	NS (305)	NS (285)	NS (264)	NS (244)	NS (224)	NS (81)
MW-46C	NS (72)	NS (80)	NS (84)	NS (88)	NS (92)	NS (96)	NS (100)	NS (104)	NS (108)	NS (112)	NS (116)	NS (144)
MW-47C	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	0.1	<0.08	NS (0.08)	<0.08	NS (0.04)
MW-48C	0.3	65	<0.08	<0.08	<0.05	<0.05	1	<0.08	<0.08	<0.08	<0.08	<0.02
MW-51C	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	<0.08	<0.02
MW-53C	<0.08	<0.08	NS (0.08)	<0.08	<0.05	<0.05	<0.05	<0.08	<0.08	<0.4	<0.08	<0.02
MW-54C	64	28	NS (15)	2	46	47	29	22	88	70	47	45
MW-68C	NS (0.08)	NS (0.08)	<0.08	<0.08	0.2	<0.08	2	0.2	<0.08	2	0.09	<0.02
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	NS (0.5)	0.5	0.1
MW-83C	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	NS (0.6)	0.6
MW-85C	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	NS (0.09)	0.09
MW-86C	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	<0.02
MW-87C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	0.3
MW-88C	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	NS (0.06)	0.06
MW-99C	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)	NS (0.02)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Dibenzofuran C-TZ Input Data

	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-12C	67	0.07	0.1	0.04	0.2	0.1	<0.1	0.05	<0.09	<0.02	0.06	1
MW-15C	5	4	5	0.7	7	8	12	1	3	0.7	1	<0.1
MW-17C	27	27	0.07	68	22	31	71	31	16	83	14	94
MW-18C	130	54	85	49	42	43	62	110	130	42	19	32
MW-19C	<0.02	<0.6	0.7	0.6	0.2	1	0.8	0.4	1	<0.5	2	0.7
MW-21C	<0.02	3	0.2	<0.02	0.1	<0.02	<0.02	0.3	<0.02	<0.02	0.05	0.03
MW-23C	NS (4,806)	NS (2,507)	170	51	92	110	170	790	190	260	130	93
MW-24C	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)	NS (0.08)
MW-25C	140	190	340	94	80	100	82	<120 (116)	150	58	55	28
MW-27C	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	<0.02	<0.1	NS (0.1)
MW-28C	<0.02	<0.02	<0.02	0.09	0.08	<0.02	<0.02	<0.02	0.05	<0.02	<0.1	<0.1
MW-29C	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)	NS (0.3)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	0.03	NS (0.02)	NS (0.02)	<0.02	<0.02	7	<0.02	<0.05	<0.02	<0.02	0.2	0.2
MW-44C	NS (65)	NS (33)	0.3	<0.02	0.6	<0.02	0.1	<0.02	<0.02	0.1	2	0.7
MW-45C	NS (41)	NS (21)	0.08	33	<0.08	0.6	21	<2,300,000 (65)	110	32	260	33
MW-46C	NS (152)	NS (156)	160	50	6	28	52	65	6	20	0.08	2
MW-47C	0.03	<0.02	<0.05	<0.02	<0.02	<0.02	0.06	0.5	<0.02	<0.02	<0.1	<0.1
MW-48C	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-51C	<0.02	<0.02	<0.1	0.3	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.6
MW-53C	<0.02	<0.02	<0.3	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	0.7
MW-54C	15	32	20	4	10	10	24	<5	0.03	2	6	20
MW-68C	0.07	0.06	0.03	0.4	<0.02	<0.02	<0.4	<0.02	<0.02	<0.2	0.5	0.06
MW-70C	NA	NA	78	<0.02	<0.02	0.08	<0.02	<0.02	0.1	<0.02	<0.1	0.3
MW-76C	0.1	<0.02	<0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
MW-83C	<0.02	0.07	0.2	0.3	0.04	<0.02	<0.02	<0.02	<0.02	0.7	<0.1	<0.1
MW-85C	<0.02	<0.02	<0.06	0.7	<0.02	<0.02	2	<0.02	<0.02	<0.02	<0.1	NS (0.1)
MW-86C	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	0.06	0.05
MW-87C	<0.02	<0.02	0.1	0.1	0.06	<0.02	<0.02	<0.02	0.03	<0.02	<0.1	<0.1
MW-88C	<0.02	<0.02	<0.02	0.05	0.06	<0.02	<0.09	<0.02	0.04	<0.02	<0.1	<0.1
MW-99C	NS (0.02)	NS (0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS: Well not sampled, no value assigned.

Naphthalene C-TZ Input Data

	1H-1997	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2007	1H-2008	2H-2008
MW-12C	<10	<10	NS (5)	<0.3	<0.3	1	<0.3	0.2	NS (0.4)	0.8	0.7	0.8
MW-15C	41	50	NS (120)	190	130	680	200	86	NS (58)	3	1	2
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	8,547	5,500	9,800	5,840
MW-18C	905	2,000	NS (4,476)	NS (6,924)	9,400	29,000	NS (27,709)	NS (26,440)	NS (22,588)	14,900	16,600	16,700
MW-19C	NA	<1	NS (4)	6	<0.3	4	1	1	NS (4)	9	61	0.8
MW-21C	NA	<10	NS (5)	<0.3	<0.3	0.6	<0.3	0.2	NS (0.3)	0.5	<0.4	<0.4
MW-23C	NA	3,000	NS (3,553)	4,100	NS (4,907)	NS (5,700)	NS (6,507)	7,300	NS (7,113)	6,740	NS (8,318)	NS (9,105)
MW-24C	NA	NA	26	0.9	0.4	0.4	<0.3	0.2	NS (0.2)	0.3	<0.4	<0.4
MW-25C	NA	NA	14,000	NS (13,879)	NS (13,757)	NS (13,636)	NS (13,514)	NS (13,394)	NS (13,029)	12,300	750,000	NS (565,709)
MW-27C	NA	NA	NA	NA	<0.3	<0.3	<0.3	<0.1	NS (1)	3		<0.4
MW-28C	NA	NA	NA	NA	<0.3	<0.3	3	0.8	NS (2)	4	2	2
MW-29C	NA	NA	NA	NA	<0.3	<0.3	<0.3	0.1	NS (0.1)	0.2	0.5	NS
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	3,765	NS (5,344)	5,870	NS (5,139)
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	NA	NA	NA	NA	NA	3,712	2,470	<0.8	NS (0.7)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	24,010	5,520	6,050	NS (5,799)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	2,197	8,960	1,100	NS (1,129)
MW-47C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	<0.4
MW-48C	NA	NA	NA	NA	NA	NA	NA	NA	2	0.4	1	<0.4
MW-51C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-53C	NA	NA	NA	NA	NA	NA	NA	NA	NA	33	0.8	2
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,940	892	912
MW-68C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-83C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-85C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-86C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-87C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-99C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Naphthalene C-TZ Input Data

	1H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018
MW-12C	3	2	NS (1)	1	0.5	<0.5	0.5	0.7	0.6	<0.9	<0.6	0.5
MW-15C	2	<0.6	NS (0.7)	0.9	<0.5	1	2	89,700	<1	<2	<0.7	0.4
MW-17C	3,400	3,400	NS (3,747)	4,100	370	3,300	4,000	5,900	4,400	6,240	772	53,000
MW-18C	21,000	12,000	NS (12,496)	13,000	12,000	9,700	13,000	20,200	20,900	20,300	14,700	21,000
MW-19C	8	90	NS (50)	8	14	0.8	<0.5	26	<2	38	20	13
MW-21C	0.4	<0.1	NS (0.1)	<0.1	<0.05	0.9	<0.05	0.4	7	0.5	<0.08	1
MW-23C	9,900	8,900	NS (8,702)	8,500	7,500	7,800	83,000	12,200	13,200	43,800	57,900	NS (21,449)
MW-24C	0.1	<0.1	NS (0.1)	<0.1	0.2	<0.05	0.2	<0.08	<0.08	NS	NS	NS
MW-25C	NS (379,394)	9,800	NS (13,866)	18,000	19,000	15,000	13,000	10,700	19,700	19,000	10,700	5,600
MW-27C	0.4	0.2	NS (0.2)	0.2	<0.05	<0.05	0.2	<0.08	0.4	<1.0	<0.08	<0.02
MW-28C	0.6	1	NS (0.8)	0.3	<0.09	<0.3	0.6	0.2	<0.08	<0.6	<0.08	<0.02
MW-29C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-34C	NS (4,400)	NS (2,933)	NS (2,206)	NS (1,467)	NS (740)	<0.4	NS	NS	NS	NS	NS	NS
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	<0.02
MW-44C	NS (0.6)	NS (0.4)	NS (0.3)	NS (0.2)	<0.2	NS (115,628)	230,000	18,000	NS (16,725)	NS (15,430)	NS (14,155)	NS (5,141)
MW-45C	NS (5,545)	NS (5,041)	NS (4,791)	NS (4,537)	NS (4,287)	NS (4,034)	NS (3,782)	NS (3,528)	NS (3,279)	NS (3,025)	NS (2,775)	NS (1,008)
MW-46C	NS (1,158)	NS (1,217)	NS (1,246)	NS (1,275)	NS (1,304)	NS (1,333)	NS (1,362)	NS (1,392)	NS (1,421)	NS (1,450)	NS (1,479)	NS (1,683)
MW-47C	0.2	0.5	NS (0.3)	0.2	<0.05	4	0.5	<0.4	<0.08	0.3	<0.08	NS (0.7)
MW-48C	0.5	5,000	<0.1	<0.1	<0.05	<0.05	7	<0.5	<0.2	<0.08	<0.08	<0.02
MW-51C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.3
MW-53C	1	<0.1	NS (0.1)	0.2	<0.05	0.7	<0.5	<0.2	<0.08	<2	<2	0.2
MW-54C	1,100	210	NS (109)	6	470	350	150	68	383	315	180	68
MW-68C	NA	NA	0.8	1	3	<2	15	13	6	11	3	3
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	2
MW-83C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16
MW-85C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3
MW-86C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05
MW-87C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
MW-88C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6
MW-99C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Naphthalene C-TZ Input Data

	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023	1H-2024	2H-2024
MW-12C	<0.2	<3	2	<0.2	1	1	<2	0.7	0.6	<0.8	0.5	0.3
MW-15C	<0.3	19	0.2	<0.2	<1	1	<2	0.3	0.3	<1	2	0.6
MW-17C	1,100	970	0.2	2,600	370	530	3,300	250	250	2,900	370	3,700
MW-18C	4,400	9,900	14,000	10,000	6,800	7,200	5,600	10,000	12,000	5,500	4,000	48,000
MW-19C	<0.4	<1	<0.1	<0.02	<0.02	20	<0.5	0.2	0.2	<0.2	11	1
MW-21C	<0.02	4	0.1	<0.04	0.07	0.04	0.4	2	0.04	<0.02	<0.1	0.04
MW-23C	NS (11,054)	NS (5,900)	660	920	630	180	2,100	9,900	4,000	4,400	0.3	2,100
MW-24C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25C	3,500	4,200	7,500	2,400	2,400	2,100	2,400	<2,600	4,000	770	1,000	2
MW-27C	<0.02	0.07	0.06	<0.02	<0.1	<0.3	<0.02	<0.06	<0.02	<0.02	<0.1	NS
MW-28C	<0.02	0.1	<0.2	0.5	0.2	<0.08	0.04	<0.02	0.2	<0.02	<0.1	0.05
MW-29C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-34C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-34CR	<0.7	NS (0.5)	NS (0.2)	<0.02	<0.02	19	<0.3	<0.3	<0.02	<0.02	2	11
MW-44C	NS (2,571)	NS (1,296)	0.1	<0.02	<0.2	0.1	3	0.05	<0.02	0.1	0.09	3
MW-45C	NS (504)	NS (255)	<0.6	270	<0.2	<0.1	870	15,000,000	2,200	1,000	550	110
MW-46C	NS (1,742)	NS (1,771)	1,800	290	<0.2	5	180	350	<0.4	0.1	0.1	0.6
MW-47C	0.8	<0.02	<0.6	<0.02	<0.02	<0.02	<0.02	1	0.04	<0.02	0.2	<0.1
MW-48C	9	<0.02	<0.5	<0.07	<0.09	<0.02	<0.02	0.06	<0.02	0.07	0.05	<0.1
MW-51C	0.2	0.2	<0.3	<0.6	0.2	<0.08	<0.3	0.06	<0.02	<0.02	<0.1	<1
MW-53C	<0.3	0.1	<1	4	<0.08	0.03	0.05	<0.02	0.3	<0.02	0.07	0.08
MW-54C	19	32	<35	1	9	9	15	<1	0.3	0.07	2	2
MW-68C	<0.8	1	<0.5	<0.7	<0.02	<0.02	5	<0.3	2	<0.2	11	0.2
MW-70C	NA	NA	2,500	<0.02	<0.1	3	<0.3	0.09	0.2	0.03	<0.1	0.07
MW-76C	7	0.2	<4	<0.02	<0.1	<0.2	<0.2	<0.04	0.1	0.9	<0.1	<0.1
MW-83C	<0.4	1	2	2	<0.3	<0.02	0.2	0.1	<0.02	<0.2	<0.1	0.4
MW-85C	<0.02	1	<0.5	3	0.05	<0.2	6	0.4	0.3	<0.02	0.1	NS
MW-86C	0.08	0.3	<0.2	<0.03	0.08	<0.09	<0.2	0.07	<0.02	<0.02	<0.1	0.4
MW-87C	<0.02	<0.2	1	<0.02	<0.02	<0.02	<0.1	<0.02	0.3	0.03	<0.1	0.03
MW-88C	<0.06	<0.02	<0.02	6	2	<0.03	<1	0.2	<0.02	<0.05	<0.1	<0.1
MW-99C	NA	NA	0.4	0.8	<0.07	<0.02	<0.02	<0.02	<0.02	0.05	0.07	<0.1

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

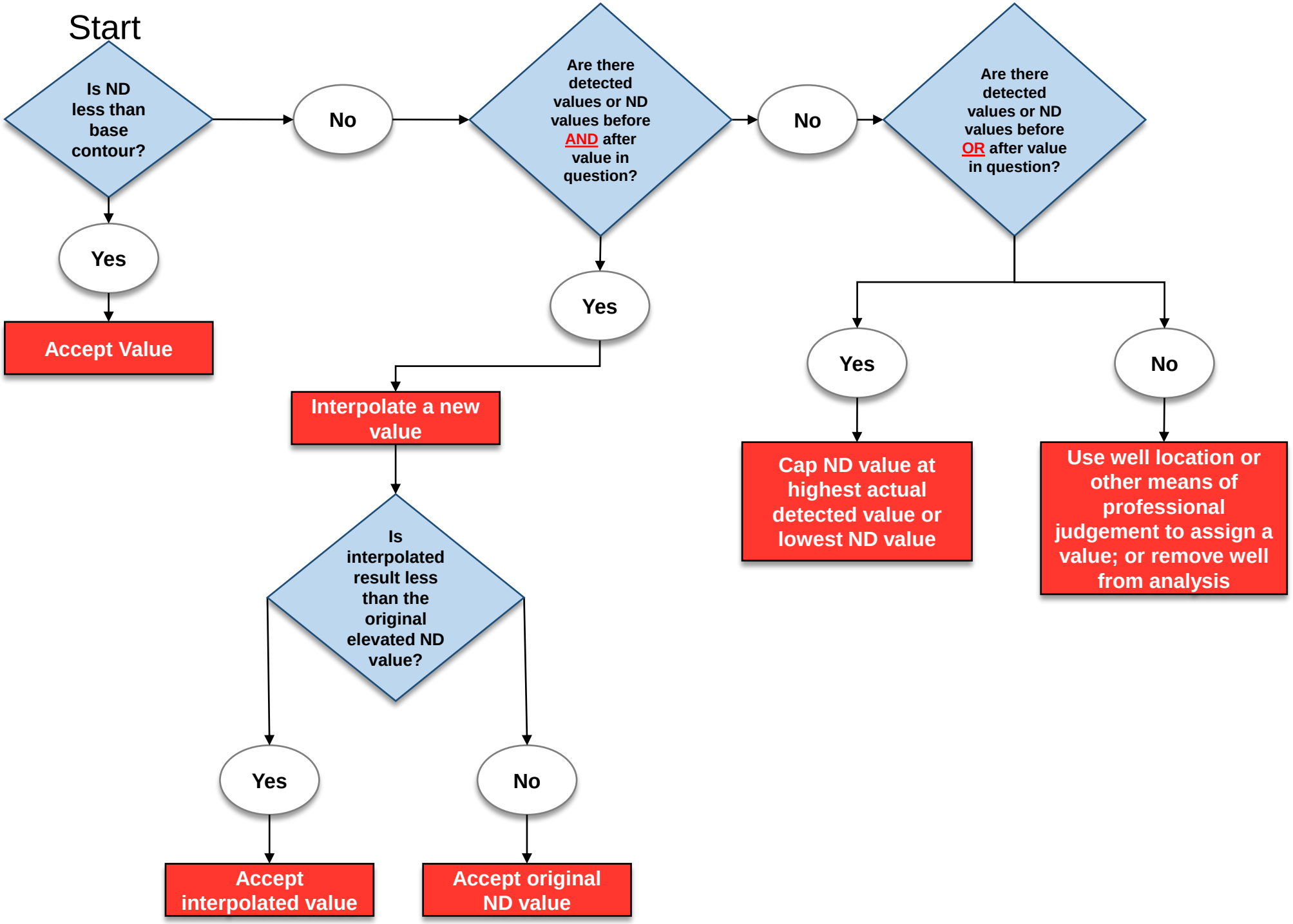
interpolated or extrapolated value shown.

NS (21.0): Well not sampled, before or between sampling events, interpolated or extrapolated value shown.

Appendix C

Non-Detect Value Determination Flow Chart

Non-Detect Value Determination Flow Chart



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Appendix D

UPRR Houston Ricker Method® Plume Stability Analysis Metrics Summary

Ricker Method® Spatial Change Indicator Metrics Benzene - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	31	81	14
1H-2018	34	149	28
1H-2019	26	91	13
2H-2019	24	30	3.9
1H-2020	30	46	7.5
2H-2020	33	81	15
1H-2021	28	98	15
2H-2021	31	70	12
1H-2022	35	70	13
2H-2022	32	86	15
1H-2023	29	43	6.7
2H-2023	29	33	5.1
1H-2024	40	43	9.3
2H-2024	31	24	4.0

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - A-TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2014	18	2,222	217
1H-2018	13	5,287	375
1H-2019	6.6	1,377	49
2H-2019	5.4	991	29
1H-2020	10	1,968	110
2H-2020	8.1	1,360	60
1H-2021	13	2,599	184
2H-2021	5.5	1,979	59
1H-2022	12	1,246	79
2H-2022	11	2,337	138
1H-2023	2.9	938	15
2H-2023	0.4	903	2.0
1H-2024	1.2	831	5.6
2H-2024	1.1	628	3.8

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - A-TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2014	23	576	72
1H-2018	18	337	33
2H-2018	15	262	21
1H-2019	6.8	182	6.7
2H-2019	8.4	184	8.4
1H-2020	8.9	192	9.3
2H-2020	16	312	27
1H-2021	18	345	33
2H-2021	14	230	18
1H-2022	18	391	39
2H-2022	17	356	34
1H-2023	10	257	15
2H-2023	3.2	151	2.6
1H-2024	6.4	142	5.0
2H-2024	3.6	130	2.5

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - A-TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2014	18	248	24
1H-2018	10	161	9.1
2H-2018	6.9	134	5.1
1H-2019	0.9	106	0.5
2H-2019	2.3	120	1.5
1H-2020	2.7	155	2.3
2H-2020	7.3	128	5.1
1H-2021	11	157	9.1
2H-2021	6.6	131	4.7
1H-2022	11	252	16
2H-2022	11	154	9.2
1H-2023	3.5	122	2.3
2H-2023	0.0	0.0	0.0
1H-2024	1.2	113	0.7
2H-2024	0.0	<98	0.0

Ricker Method® Spatial Change Indicator Metrics Naphthalene - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	28	8,905	1,343
1H-2018	23	6,662	842
2H-2018	21	4,618	532
1H-2019	11	2,734	167
2H-2019	15	2,461	201
1H-2020	17	2,091	194
2H-2020	20	4,969	541
1H-2021	23	5,917	748
2H-2021	20	5,946	660
1H-2022	26	5,273	732
2H-2022	22	6,246	738
1H-2023	15	3,244	259
2H-2023	8.8	1384	66
1H-2024	12	1617	104
2H-2024	6.9	1109	42

Ricker Method® Spatial Change Indicator Metrics Benzene - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	38	295	61
1H-2013	37	295	59
2H-2013	40	445	97
1H-2014	39	341	72
2H-2014	40	442	97
1H-2018	43	365	85
2H-2018	42	355	82
1H-2019	40	345	75
2H-2019	43	357	84
1H-2020	38	286	59
2H-2020	40	431	95
1H-2021	33	192	34
2H-2021	37	319	64
1H-2022	39	341	72
2H-2022	40	388	84
1H-2023	28	186	28
2H-2023	30	361	60
1H-2024	34	184	34
2H-2024	48	248	64

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	15	24,045	1,903
1H-2013	12	25,485	1,731
2H-2013	17	53,261	4,960
1H-2014	18	95,893	9,332
2H-2014	15	65,531	5,475
1H-2018	16	22,457	2,003
2H-2018	16	18,610	1,659
1H-2019	16	10,655	902
2H-2019	17	28,001	2,611
1H-2020	13	9,797	700
2H-2020	13	17,524	1,278
1H-2021	8.9	3,821	185
2H-2021	13	11,091	779
1H-2022	13	7,777	564
2H-2022	13	15,371	1,124
1H-2023	7.0	3,262	123
2H-2023	6.4	3163	110
1H-2024	6.2	2628	89
2H-2024	15	5823	467

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	16	532	47
1H-2013	18	737	71
2H-2013	21	962	112
1H-2014	24	1,602	213
2H-2014	20	1,080	120
1H-2018	23	1,200	152
2H-2018	22	1,022	120
1H-2019	16	817	71
2H-2019	22	1,179	141
1H-2020	22	1,143	136
2H-2020	20	990	109
1H-2021	14	782	60
2H-2021	20	628	70
1H-2022	19	988	102
2H-2022	24	2,110	270
1H-2023	9.0	282	14
2H-2023	9.0	259	13
1H-2024	17	404	36
2H-2024	17	706	64

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	12	257	17
1H-2013	11	304	19
2H-2013	16	338	29
1H-2014	21	722	82
2H-2014	16	364	31
1H-2018	21	670	78
2H-2018	19	610	61
1H-2019	12	494	33
2H-2019	18	648	64
1H-2020	19	643	67
2H-2020	16	577	49
1H-2021	12	456	29
2H-2021	17	342	32
1H-2022	18	497	48
2H-2022	22	1,130	133
1H-2023	3.7	149	3.0
2H-2023	4.1	165	3.7
1H-2024	13	224	15
2H-2024	14	465	35

Ricker Method® Spatial Change Indicator Metrics Naphthalene - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	21	8,339	969
1H-2013	19	7,858	804
2H-2013	27	11,478	1,695
1H-2014	29	11,164	1,753
2H-2014	25	12,270	1,665
1H-2018	27	11,120	1,624
2H-2018	26	8,090	1,131
1H-2019	19	5,098	514
2H-2019	28	7,348	1,125
1H-2020	24	5,592	721
2H-2020	26	6,653	950
1H-2021	17	3,694	344
2H-2021	23	7,660	971
1H-2022	22	10,695	1,292
2H-2022	24	11,192	1,432
1H-2023	12	3,978	255
2H-2023	11	2700	165
1H-2024	18	4280	408
2H-2024	11	2515	148

Ricker Method® Spatial Change Indicator Metrics Benzene - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	18	26	2.6
1H-2007	19	27	2.8
1H-2008	14	28	2.1
2H-2008	12	27	1.8
1H-2009	12	29	1.9
1H-2010	13	28	2.0
2H-2010	12	27	1.7
1H-2011	10	26	1.5
2H-2011	10	26	1.4
1H-2012	13	21	1.6
2H-2012	12	30	2.0
1H-2013	9.4	39	2.0
2H-2013	12	32	2.1
1H-2014	9.7	40	2.1
2H-2014	8.5	24	1.1
1H-2018	10	24	1.3
1H-2019	4.8	17	0.4
2H-2019	4.0	44	1.0
1H-2020	5.7	36	1.1
2H-2020	5.8	31	1.0
1H-2021	5.3	42	1.2
2H-2021	4.4	41	1.0
1H-2022	3.7	37	0.7
2H-2022	4.7	36	0.9
1H-2023	3.6	46	0.9
2H-2023	5.0	36	1.0
1H-2024	7.1	48	1.8
2H-2024	6.3	38	1.3

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	0.0	<490	0.0
1H-2007	0.0	<490	0.0
1H-2008	0.0	<490	0.0
2H-2008	0.0	<490	0.0
1H-2009	0.0	<490	0.0
1H-2010	0.0	<490	0.0
2H-2010	0.0	<490	0.0
1H-2011	0.0	<490	0.0
2H-2011	0.1	730	0.4
1H-2012	0.0	<490	0.0
2H-2012	0.0	<490	0.0
1H-2013	4.2	6531	150
2H-2013	0.0	<490	0.0
1H-2014	0.0	<490	0.0
2H-2014	0.6	1431	5.0
1H-2018	0.0	578	0.0
1H-2019	0.0	<490	0.0
2H-2019	0.0	<490	0.0
1H-2020	0.0	<490	0.0
2H-2020	0.0	<490	0.0
1H-2021	0.0	554	0.0
2H-2021	0.1	864	0.7
1H-2022	0.0	<490	0.0
2H-2022	0.0	621	0.0
1H-2023	0.0	<490	0.0
2H-2023	0.0	<490	0.0
1H-2024	0.0	<490	0.0
2H-2024	0.0	<490	0.0

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	5.4	251	7.4
1H-2007	6.5	263	9.3
1H-2008	6.9	968	36
2H-2008	5.8	897	28
1H-2009	5.3	769	22
1H-2010	6.5	283	10
2H-2010	3.9	263	5.6
1H-2011	2.9	236	3.8
2H-2011	2.6	230	3.3
1H-2012	3.8	1,480	31
2H-2012	9.4	1,998	102
1H-2013	8.9	315	15
2H-2013	6.8	349	13
1H-2014	8.4	459	21
2H-2014	4.5	691	17
1H-2018	4.2	562	13
1H-2019	1.9	310	3.2
2H-2019	1.4	249	1.9
1H-2020	0.7	204	0.8
2H-2020	0.2	170	0.2
1H-2021	0.0	132	0.0
2H-2021	0.1	134	0.1
1H-2022	0.1	138	0.1
2H-2022	1.4	38,196	297
1H-2023	0.2	162	0.2
2H-2023	0.1	144	0.1
1H-2024	0.2	161	0.2
2H-2024	0.5	286	0.8

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	2.2	153	1.9
1H-2007	4.6	170	4.3
1H-2008	6.5	771	27
2H-2008	5.7	722	22
1H-2009	5.1	637	18
1H-2010	4.3	295	6.9
2H-2010	3.4	273	5.1
1H-2011	2.7	246	3.6
2H-2011	2.1	324	3.6
1H-2012	2.8	872	13
2H-2012	8.6	1,598	75
1H-2013	5.5	228	6.9
2H-2013	5.0	222	6.1
1H-2014	6.4	355	12
2H-2014	3.3	892	16
1H-2018	2.7	542	8.0
1H-2019	1.3	439	3.0
2H-2019	1.2	310	2.0
1H-2020	0.6	162	0.5
2H-2020	0.0	<98	0.0
1H-2021	0.0	<98	0.0
2H-2021	0.0	<98	0.0
1H-2022	0.0	116	0.0
2H-2022	0.2	205	0.2
1H-2023	0.1	116	0.0
2H-2023	0.0	138	0.0
1H-2024	0.1	140	0.1
2H-2024	0.0	<98	0.0

Ricker Method® Spatial Change Indicator Metrics Naphthalene - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	12	2,721	177
1H-2007	12	2,262	148
1H-2008	10	3,972	222
2H-2008	9.0	3,591	176
1H-2009	8.7	3,181	150
1H-2010	14	2,454	182
2H-2010	6.4	1,947	67
1H-2011	5.8	1,909	61
2H-2011	4.8	1,571	41
1H-2012	6.1	5,916	196
2H-2012	11	9,649	580
1H-2013	20	4,781	514
2H-2013	9.6	3,668	192
1H-2014	11	4,480	270
2H-2014	6.7	3,128	114
1H-2018	6.9	4,488	168
1H-2019	3.5	1,387	27
2H-2019	2.9	1,243	20
1H-2020	2.4	1,408	19
2H-2020	0.6	1,202	4.1
1H-2021	0.2	1,338	1.8
2H-2021	0.5	1,359	3.5
1H-2022	1.2	1,023	6.5
2H-2022	1.7	117,139	1,086
1H-2023	0.6	1,483	5.1
2H-2023	0.8	1,041	4.4
1H-2024	0.2	1,003	1.2
2H-2024	1.6	2,596	22

ATTACHMENT E

TRRP Notifications

MAP ID	PARCEL ADDRESS	PARCEL OWNER
1	2909 LAVENDER ST	PEQA GROUP LLC
2	2925 LAVENDER ST	EDWARDS, SANDRA MICHELLE
3	2937 LAVENDER ST	LIMBRICK, MIKELL
4	2941 LAVENDER ST	HOOD, MARIE A
5	2922 SOLO ST	CHAVES ARMANDO R ET AL
6	2930 SOLO ST	HOWELL EVAN S
7	2934 SOLO ST	ASPERA OSVALDO, BELMONTE MARIA AMARO
8	4910 LUCILLE ST	WHITEHEAD, SHIRLEY A
9	5002 LUCILLE ST	TOLEDANO, ARISTEO
10	2943 LAVENDER ST	APOGEE REAL ESTATE PARTNERS LLC
11	5006 LUCILLE ST	BARRIENTOS, EINE
12	5008 LUCILLE ST	NORTON MEMORIAL TEMPLE COGIC
13	0 LELIA ST	AYELE ADDISU F
14	2942 LAVENDER ST	HERNANDEZ, ROBERTO G
15	2938 LAVENDER ST	HUTCHINS, MARY D
16	2934 LAVENDER ST	OSBORN, ZEARLENE
17	2926 LAVENDER ST	CLARK INVESTMENT CO
18	2924 LAVENDER ST	LONG, LUCILLE ESTATE OF
19	2922 LAVENDER ST	GREATER MT NEBO BAPTIST CHURCH
20	2910 LAVENDER ST	COAST TO COUNTRY PROPERTIES LLC
21	2906 LAVENDER ST	BEAL, BARBARA
22	2904 LAVENDER ST	GREATER MOUNT NEBO MISSIONARY BAPTIST
23	5005 LIBERTY	GREATER MOUNT NEBO BAPTIST CHURCH
24	0 WYLIE ST	GREATER MT NEBO BAPTIST CHURCH
25	5006 WYLIE ST	GREATER MOUNT NEBO BAPTIST CHURCH
26	5010 WYLIE ST	SMITH, ALBERTA
27	5005 WYLIE ST	BANDA, MONICO DUQUE & MARTHA Z
28	5007 WYLIE ST	BANDA-ZUNIGA, NANCY G; MACIA-ARANDA, GUILLERMO
29	5011 WYLIE ST	CARR, CARRIE MAE ESTATE OF
30	2901 CLEMENTINE ST	ROSS, MARY BASS
31	5002 LELIA ST	HOLMES EMITT & LAURA ESTATE % MILDRED WILDER
32	0 LELIA ST	HEPTULLABHAI, MUSTAFA
33	5014 LELIA ST	RIVERA, GUADALUPE JR, RIVERA, FLOR ESTHELA
34	2921 1/2 CLEMENTINE	RIVERA, GUADALUPE
35	2921 CLEMENTINE ST	PINEDA, ROGELIO R & OLIVIA
36	5101 LIBERTY RD	LONGORIA, WALLACE R & JANIE
37	5105 LIBERTY RD	GONZALEZ, MARY JANE
38	5109 LIBERTY RD	MARTINEZ, SARAH ESTATE OF
39	5113 LIBERTY RD	MEDINA, CLAUDIA ELIZABETH DELAPORTIL, LEAL, JORGE DANIEL RIVERA
40	5117 LIBERTY RD	RIVERA, JORGE D
41	2820 CLEMENTINE ST	CONSTRUMEX INMOBILIARIA LLC
42	2813 FONTINOT ST	COTO, JOSE A & REINA I, COTO CHRISTIAN A AND ROBIN H
43	5107 WYLIE ST	POTTS, MARYLAND ESTATE
44	5107 WYLIE ST	TOLBERT, REGINALD & LETICIA
45	5111 WYLIE ST	PEREZ, AQUILINA ESTATE OF
46	5119 WYLIE ST	GILLIAM, MARTHA
47	2913 FONTINOT ST	HUERTA, NOE, RIVERA MARLEY
48	2918 CLEMENTINE ST	AZIMPOOR JAVAD
49	5116 LELIA ST	MANJARREZ CLAUDIO
50	5112 LELIA ST	POTTS, AVIE
51	5118 LELIA ST	GREATER TRUE VINE BAPTIST CHURCH
52	705 LUCILLE	SERANAE INVESTMENT INC
53	0 LELIA ST	GREATER TRUE VINE MISSIONARY BAPTIST CHURCH
54	5201 LIBERTY RD	FULL GOSPEL CHRISTIAN ASSN
55	5201 LIBERTY RD	FULL GOSPEL CHRISTIAN ASSN
56	2809 ERASTUS ST # 1	TRAN, DONALD K
57	5201 WYLIE ST	THOMPSON-REID, BRENT
58	5301 LIBERTY RD	JEFFERSON, SEAN
59	5311 LIBERTY RD	SCRIMM LOGISTICS LLC
60	5313 LIBERTY RD	ARTHUR PAULETTE
61	2806 ERASTUS ST	ALARCON, AMIR WILLY OSPINA
62	5304 WYLIE ST	JUAREZ, IRENE PEREZ
63	5304 1/2 WYLIE ST	DELGADO, SUSIE I ESTATE OF
64	5308 WYLIE ST	BROWN, AUDREY M
65	3101 ERASTUS ST	VITAL, PERCY
66	5303 LUCILLE ST	GARCIA, CARLOTTA C
67	3115 ERASTUS ST	HERNANDEZ-FLORES, MARTHA; LOPEZ, JOSE R
68	5302 JEWEL ST	LOPEZ ARCADIO R
69	3300 E LOCKWOOD DR	DAMIAN, ROBERT
70	3300 E LOCKWOOD DR	DAMIAN, ROBERT



REFERENCE(S)
AERIAL PHOTO FROM GOOGLE EARTH, IMAGERY DATED 2/23/19, AND PROPERTY INFORMATION FROM HARRIS COUNTY APPRAISAL DISTRICT (HCAD), 2024.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

CONSULTANT
wsp

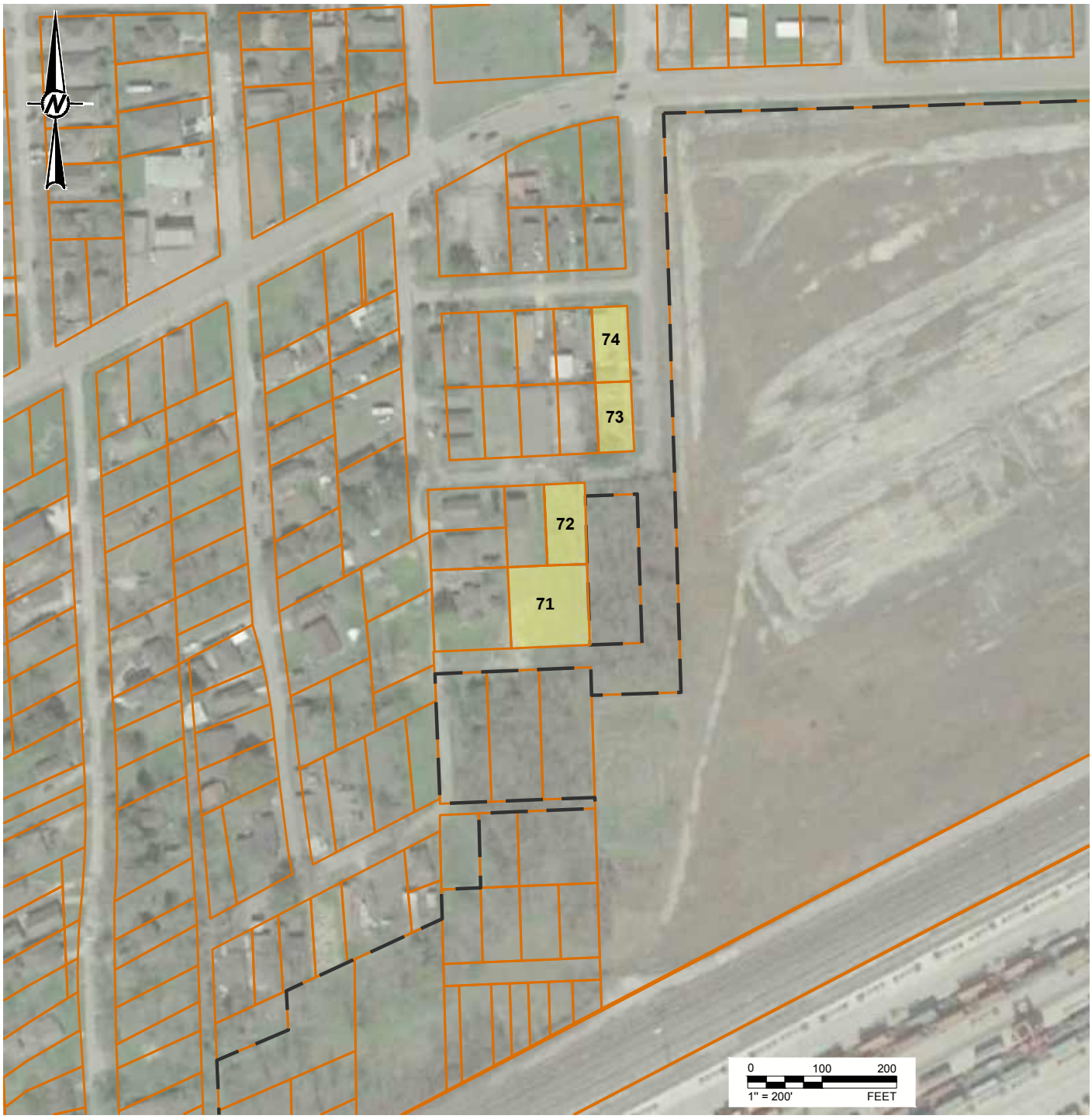
YYYY-MM-DD	2025-01-24
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AKS
APPROVED	XXX

TITLE
OFF-SITE NOTIFICATION PROPERTIES

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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MAP ID	PARCEL ADDRESS	PARCEL OWNER
71	0 QUITMAN ST	PRINCE, JAMES A
72	4508 EDDIE ST	DELCAMPO, RAFAEL
73	2803 KASHMERE ST	WHITEHEAD, SHIRLEY A
74	4518 COURTNEY ST	ROSIGNON ANTHONY TYRONE

REFERENCE(S)

AERIAL PHOTO FROM GOOGLE EARTH, IMAGERY DATED 2/23/19, AND PROPERTY INFORMATION FROM HARRIS COUNTY APPRAISAL DISTRICT (HCAD), 2024.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
OFF-SITE NOTIFICATION PROPERTIES

CONSULTANT

YYYY-MM-DD	2025-01-24
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AKS
APPROVED	XXX

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 2

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A
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