August 2, 2023

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SECOND SEMI-ANNUAL 2022 SITE-WIDE GROUNDWATER MONITORING REPORT
HOUSTON WOOD PRESERVING WORKS
HAZARDOUS WASTE PERMIT/COMPLIANCE PLAN NO 50343
SWR 31547

Dear Ms. Hatfield,

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad (UPRR), prepared the attached Second Semi-Annual 2022 Site-Wide Groundwater Monitoring Report dated July 31, 2023 detailing the site-wide groundwater sampling activities conducted in July 2022 at the UPRR Houston Wood Preserving Works Facility (the Site) located at 4910 Liberty Road, Houston, Texas. In general, groundwater concentrations observed in the July 2022 sampling event are consistent with previous sampling events, and the results of a plume stability analysis 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 2022. 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 2022 were generally similar to previous sampling events.
- The Texas Risk Reduction Program (TRRP) protective concentration level exceedance (PCLE) zones for site-specific COCs 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) and east 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 July 2022 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.

- o 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 July 2022 event encompasses the northeastern portion of the Englewood Intermodal Yard, the eastern 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).
- o C-TZ:
  - The cumulative PCLE Zone in the C-TZ is in the northeast portion of the Site and extends off-site to the north and to the east onto the City of Houston ROW. A separate PCLE Zone was noted within the Englewood Intermodal Yard area.
- o D-TZ:
  - No site-specific VOCs or SVOCs were detected at concentrations above cPCLs in samples collected from D-TZ wells during the July 2022 sampling event.

- Trend analyses of the primary COC concentrations in groundwater samples from monitoring wells in each GWBU was conducted:
  - o Of the 120 wells evaluated as part of the 2nd semi-annual 2022 sampling event, groundwater data from 101 wells show a "decreasing," "probably decreasing," "stable" trend, or "no trend," indicating that primary COC concentrations at a majority of wells are not increasing.
  - o Groundwater data from 12 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).
  - o Groundwater samples from seven 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 seven wells, five wells (MW-78A, MW-32B, MW-49B, MW-23C, and MW-45C) are DNAPL recovery wells where DNAPL has been detected in the wells. The other two wells are on-site monitoring wells TW-41B and MW-17C:
    - MW-17C – Increasing trend for 2,4-dimethyphenol concentrations; concentrations have been variable, detected above and below the RAL over time.
    - TW-41B - Increasing trends indicated for COCs benzene, 2-methylnaphthalene, dibenzofuran, and naphthalene may be due to the proximity to DNAPL wells MW-12B and MW-41B. Benzene, 2-methylnaphthalene, and dibenzofuran concentrations in samples collected from TW-41B have been below respective cPCLs since installation.
- An analysis of plume stability was performed (Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis (US Pat. No. 10,400,583)) and is summarized below for the primary COCs in the A-TZ, B-CZ/B-TZ, and C-TZ:
  - o **A-TZ:** The plume analytics evaluation indicated that all trends in the A-TZ were identified as stable or not statistically significant for the primary COCs.
  - o **B-CZ/B-TZ:** The plume analytics evaluation indicated that trends for the primary COCs in the B-CZ/B-TZ were either stable, decreasing or not statistically significant.

- **C-TZ:** The plume analytics evaluation indicated that all trends for the primary COCs in the C-TZ were either decreasing or not statistically significant, acknowledging that:
  - A statistically increasing trend was identified for average benzene concentration in the C-TZ. However, the benzene plume area evaluation indicated a statistically decreasing trend.

- Arsenic was detected above cPCL (0.01 mg/L) in 34 of the 120 groundwater samples analyzed for arsenic from the July 2022 sampling event (19 samples in the A-TZ, 11 samples in the B-TZ, and 4 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 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.

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.

Michelle Hermiston, P.G.
Senior Project Hydrogeologist

Eric C. Matzner, P.G.
Vice-President / Director - Hydrogeologist

CC: Kevin Peterburs, UPRR

Attachments: 2nd Semi-Annual 2022 Site-Wide Groundwater Monitoring Report

SECOND SEMI-ANNUAL 2022 SITE WIDE GROUNDWATER MONITORING REPORT

HOUSTON WOOD PRESERVING WORKS FACILITY

JULY 31, 2023

Submitted to:

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Submitted by:

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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 site-wide groundwater sampling activities conducted in July 2022 at the UPRR Houston Wood Preserving Works Facility (the Site) (Figure 1) located at 4910 Liberty Road, Houston, Texas.

Details on 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 also provided.

2 GROUNDWATER MONITORING ACTIVITIES

WSP, on behalf of UPRR, conducted site-wide groundwater monitoring activities at the Site in July 2022. The sampling event was conducted between July 5 and July 27, 2022, in which 127 groundwater monitoring wells located on-site and off-site were sampled from the following groundwater-bearing units (GWBUs):

- Forty-nine (49) A-Transmissive Zone (A-TZ) monitoring wells;
- Forty-six (46) 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-75B and MW-82B were not sampled because the wells were covered by a container box and car, respectively, during the sampling event.

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 in the wells was measured from the designated surveyed measuring point at the top of the well casing to the nearest one hundredth of one foot (0.01 ft). The wells were then purged at a low-flow rate using a peristaltic pump with dedicated tubing with the pump intake near the lower portion of the screened interval, unless dense NAPL (DNAPL) was present where the intake was raised at least a few feet above the DNAPL/water 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, including 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. Groundwater sampling field records from July 2022 are provided in Attachment A.

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 sampled during the July 2022 sampling events. Since dedicated tubing was used in each well, no equipment rinsate sample was collected. Sampling information (i.e., sample time, bottle sets, sampler name, use of filter, etc.) was recorded on the groundwater sampling field records.

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, 2020a). Site-specific COCs are also listed on the following table:

VOCs	SVOCs	Metal
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	

VOCs	SVOCs	Metal
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 8260, site-specific semi-volatile organic compounds (SVOCs) by EPA Method 8270C, and arsenic by EPA Method 6020. 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 sampling event were reviewed for adherence to established quality assurance/quality control (QA/QC) criteria. Data Usability Summaries (DUSs) were prepared following TCEQ guidance publication RG-366/TRRP-13 (TCEQ, 2010) summarizing 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 exceedance (PCLE) zones.

3 GROUNDWATER ELEVATION DATA AND DNAPL MEASUREMENTS

Groundwater elevations for the monitoring wells measured during the July 2022 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 July 2022 event. Groundwater flow conditions for each GWBU are described in the following sections.

3.1 A-TZ WELLS

During the July 2022 groundwater sampling event, the highest groundwater elevation in the A-TZ was measured near SWMU No.1 at 42.98 feet relative to the City of Houston Vertical Datum (HVD) (MW-04), with the lowest elevation on the east side of the Site at 34.65 feet HVD (MW-69A) (Figure 2). The general groundwater flow direction in the A-TZ is from southwest to northeast across the Site, with two areas that differ from that flow direction: 1) west of SWMU No. 1 where flow appears to the to the west, and 2) a groundwater divide occurs on the east side of the Site just west of the Lockwood Drive (Figure 2) where flow is east to west towards Lockwood Drive bridge. As discussed in the Updated APAR Addendum (PBW, 2010), a 60-in 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).

DNAPL was detected in one on-site A-TZ well (MW-78A) during the July 2022 event.

3.2 B-CZ/B-TZ WELLS

Groundwater elevations in the B-TZ during the July 2022 groundwater monitoring event ranged from a high elevation southwest of the Site of 43.50 feet HVD at MW-96B, to the lowest elevation of 35.90 feet HVD at MW-89B 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) and the flow within the B-TZ is similar to the flow in the A-TZ. As discussed in the Updated 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.

As discussed in the Response Action Plan (RAP) (Attachment 1A - APAR Addendum, PBW, 2014), there is a lateral stratigraphic change in the hydrogeology of the B-TZ as it 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 found, 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) is shown on Figure 3.

The highest groundwater elevation in the B-CZ is east of the Site at 41.45 feet HVD at MW-61B, with the lowest elevation of 29.51 feet HVD northeast of the Site at MW-54B. Because of the discontinuous nature of the carbonate seams within the B-CZ, groundwater potentiometric elevations in some monitoring wells within the B-CZ show varying elevations for wells relatively close to each other (i.e, MW-71B and MW-57B). However, the

overall groundwater flow direction across the Site is generally to the northeast.

DNAPL was detected in on-site wells MW-12B, MW-41B, MW-57B, and MW-74B and off-site wells MW-32B during the July 2022 sampling event.

3.3 C-TZ WELLS

Groundwater elevations in the C-TZ during the July 2022 groundwater monitoring event indicated a high elevation of 28.21 feet HVD at MW-99C, which is located off-site to the northeast (Figure 4). The lowest elevation measured in the C-TZ during the July 2022 sampling event was 23.72 feet HVD at MW-12C and MW-21C on the west side of the Site. Overall groundwater flow in the C-TZ is generally to the southwest across the Site (Figure 4).

3.4 D-TZ WELLS

Groundwater elevations in the D-TZ ranged from a high elevation of -36.28 feet HVD east of the Site at MW-66D, to the lowest elevation of -38.72 feet HVD at MW-65D north of the Site (Figure 5) during the July 2022 groundwater monitoring 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 July 2022 sampling event are summarized along with the historical groundwater monitoring data from January 2009 through July 2022 in the following tables:

- Table 2 – Analytical Results Summary (2008 – 2022) – Class 2 Groundwater
- Table 3 – Analytical Results Summary (2008 – 2022) – Class 3 Groundwater
- Table 4 - Analytical Results Summary – A-TZ Wells – VISL Comparison

Groundwater analytical data from the July 2022 sampling event were compared to 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), dated May 2023, 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). Critical PCLs (cPCLs) to assess PCLE Zones were then established assuming residential or C/I land use depending on the location of the monitoring well by comparing data from on-site wells to C/I PCLs and data from off-site wells compared to RALs. PCLE Zones were established based on the COC concentrations detected during the sampling event.

4.1 SITE-SPECIFIC COCS

Based on the comparison of site-specific COCs to the applicable TRRP groundwater cPCLs, the following 21 site-specific COCs (plus arsenic) were detected at concentrations that exceeded their respective cPCL during the July 2022 sampling event (GWBU where concentrations >cPCLs were detected):

Volatile Organic Compounds (VOCs)[1]

- 1,2-Dichloroethane (C-TZ)
- Benzene (A-TZ, B-CZ/B-TZ, C-TZ)
- Vinyl Chloride (A-TZ)

Semi-Volatile Organic Compounds (SVOCs)[2]

- 2,4-Dimethylphenol (A-TZ, B-TZ, C-TZ)
- 2,6-Dinitotoluene (C-TZ)
- 2-Methylnaphthalene (A-TZ, B-TZ, & C-TZ)
- Acenaphthene (B-TZ)
- Acenaphthylene (C-TZ)
- Anthracene (C-TZ)
- Benzo(a)anthracene[3] (A-TZ, B-CZ/B-TZ, C-TZ)
- Benzo(a)pyrene (A-TZ, B-CZ/B-TZ, & C-TZ)
- Bis(2-Chloroethoxy)methane (B-TZ)
- Chrysene (C-TZ)
- Dibenzofuran (A-TZ, B-CZ/B-TZ, C-TZ)
- Fluoranthene[3] (B-TZ)
- Fluorene[3] (B-TZ)
- Naphthalene (A-TZ, B-CZ/B-TZ, & C-TZ
- Pentachlorophenol (C-TZ)
- Phenanthrene[3] (B-TZ, C-TZ)
- Phenol (A-TZ)
- Pyrene (B-TZ, C-TZ)

Notes:

[1] For a few samples, the sample detection limit (SDL) for VOC methylene chloride was greater than the cPCL.

[2] For a few samples, the sample detection limit for SVOCS 1,2-diphenylhradzine, 2,4-dinitrotoluene, 2,6-dinitotoluene (A-TZ), 4,6-Dinitro-2-methylphenol, and bis(2-Ethylhexyl)phthalate (DEHP) was greater than the cPCL.

[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 from each GWBU and the cumulative PCLE zones (including separate PCLE zones for arsenic) from the July 2022 monitoring event 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 July 2022 are presented on Figure 10 for site-specific COCs and Figure 11 for arsenic.

In addition to the figures listed above, individual COC concentration isopleth maps for the most commonly detected groundwater COCs at the Site (primary VOC: benzene, and primary SVOCs: 2,4-dimethylphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene) were prepared using the Kriging gridding method with the default linear variogram for the A-TZ, B-CZ/B-TZ, and C-TZ units at the Site using the July 2022 data, as listed below:

GWBU	A-TZ	B-CZ/B-TZ	C-TZ
COC	**Figure Number**		
Benzene	12	17	22
2,4-Dimethylphenol	13	18	23
2-Methylnaphthalene	14	19	24
Dibenzofuran	15	20	25
Naphthalene	16	21	26

For each COC concentration map listed above, the cumulative groundwater PCLE Zones for each GWBUs are presented on Figures 6 through 8.

Groundwater samples from the monitoring wells in the four GWBUs were also collected and analyzed for arsenic. Arsenic results are included on Tables 2 and 3. Arsenic concentration isopleth maps showing the arsenic PCLE Zones for the A-TZ, B-CZ/B-TZ, and C-TZ based on the July 2022 data are presented on Figures 27 through 29, respectively.

4.2 A-TZ WELLS

VOCs

Benzene and vinyl chloride were site-specific VOCs detected above their respective cPCLs in samples from the A-TZ wells collected during the July 2022 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). Only one vinyl chloride concentration (0.0024 mg/L) in a groundwater sample from MW-18A, an A-TZ well located on-site, was detected above the RAL of 0.002 mg/L. None of the other samples analyzed for vinyl chloride had concentrations above the cPCLs. Site-specific VOC concentrations in samples collected from off-site A-TZ monitoring wells were below their respective cPCLs.

SVOCs

Similar to the benzene detections, 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. The primary SVOCs in the samples from the A-TZ wells that exceeded cPCLs include:

- 2,4-Dimethylphenol (Figure 13),
- 2-Methylnaphthalene (Figure 14),
- Dibenzofuran (Figure 15), and
- Naphthalene (Figure 16).

Analytical data from the July 2022 sampling event indicated that concentrations of these four primary SVOCs were below their respective cPCLs in samples from the A-TZ wells to the north, east, south, and west of the Site, similar to the distribution of benzene concentrations. Other SVOCs (benzo(a)anthracene, benzo(a)pyrene, and phenol) were detected above the cPCLs in the following A-TZ monitoring wells:

- benzo(a)anthracene and benzo(a)pyrene in on-site well MW-57A and phenol in on-site well MW-17; and
- COCs 1,2-diphenylhydrazine, 2,4-dinitrotoluene, 2,6-dinitotoluene, bis (2-Chloroethoxy) methane, and pentachlorophenol were not detected above the sample detection limits. However, for a few on-site wells (MW-12A, MW-17, MW-18A, MW-49A, MW-78A, and MW-79A), the SDL was greater than the cPCL as a result of dilutions conducted by the laboratory.

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 are within the Site boundary except to the north (along Liberty Road) and east onto the City of Houston ROW based on the interpretation of the groundwater concentration data on-site and off-site as shown on the isopleth maps. 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.

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 July 2022 sampling event.

The cumulative PCLE Zones for site-specific COCs in the A-TZ are stable. Plume analytics are discussed in further detail in Section 4.6.2 and Attachment D.

EPA Vapor Intrusion Screening Level Evaluation

Groundwater analytical data from the July 2022 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 2022 groundwater sample COC concentrations for the Site-specific COCs (Table 4).

As indicated in Table 4, the COC concentrations from the July 2022 off-site A-TZ GWBU wells were below the conservative EPA VISL-calculated screening concentrations.

4.3 B-CZ/B-TZ WELLS

VOCs

Site-specific VOC benzene was detected above the cPCL of 0.005 mg/L (Class 2 groundwater PCL) in samples collected from the B-TZ wells and 0.5 mg/L (Class 3 groundwater PCL) in samples collected from the B-CZ wells. The July 2022 groundwater data from the B-CZ/B-TZ monitoring wells indicated two separate PCLE Zone (as shown on Figure 17). These two PCLE Zones are described below:

- Main PCLE Zone: The Main PCLE Zone for benzene based on C/I land use for on-Site wells and residential for off-Site wells in the B-CZ/B-TZ GWBU (groundwater classification Class 3 and Class 2, respectively) encompasses the northeastern portion of the Englewood Intermodal Yard, the eastern portion of the Site, and extends off-site to the north of the Site.
- West PCLE Zone: The West PCLE Zone is a smaller area on the west side of the Site defined by the sample results from two wells (MW-40B and MW-41B). This PCLE Zone appears to be within the Site property boundary based on surrounding monitoring wells (MW-38B, MW-39B, MW-62B, and TW-41B).

Methylene chloride SDLs were above the cPCL for groundwater samples collected from MW-12B and MW-41B. Wells MW-12B and MW-41B are currently DNAPL recovery wells with DNAPL present in these wells during the July 2022 sampling event.

Other site-specific VOCs 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 2,4-dimethylphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene (as shown on Figures 18 through 21, respectively) were detected above their respective cPCLs in samples from B-CZ/B-TZ GWBU wells that are located generally within the Main PCLE Zone and West PCLE Zone.
In addition to the primary SVOCs discussed above, the following other SVOCs were detected in samples collected during the July 2022 event from DNAPL recovery wells at concentrations greater than their SDLs and cPCLs:

- Acenaphthene (MW-74B),
- Benzo(a)anthracene (MW-12B, MW-70B and MW-74B),
- Benzo(a)pyrene (MW-32B, MW-68B, MW-70B, and MW-74B),
- bis(2-Chloroethoxy)methane (MW-74B),
- Fluoranthene (MW-74B),
- Fluorene (MW-74B),
- Phenanthrene (MW-12B and MW-74B) and
- Pyrene (MW-74B).

The PCLE zones for the primary and additional site-specific SVOCs are generally within the benzene PCLE zone described previously.

The cumulative PCLE Zones for site-specific COCs detected in the B-CZ/B-TZ monitoring wells are stable and/or decreasing over time. Plume analytics are discussed in further detail in Section 4.6.2 and Attachment D.

4.4 C -TZ WELLS

VOCs

Site-specific VOCs benzene and 1,2-dichloroethane were detected above cPCLs (both 0.005 mg/L) in groundwater samples collected from C-TZ wells during the July 2022 groundwater monitoring event. Benzene concentrations were detected above the cPCL in groundwater samples from three on-site wells located in the northeast portion of the Site (MW-17C, MW-18C, and MW-23C) and two off-site wells located to the northeast of the Site (MW-45C and MW-46C) (Figure 22). The 1,2-dichloroethane concentration detected in one sample collected from MW-85C in July 2022 was greater than the cPCL. The methylene chloride SDL was greater than the cPCL for a few wells (MW-25C, MW-45C, and MW-85C).

Other site-specific VOCs were detected in the samples collected from the C-TZ monitoring wells; however, the detected concentrations were below their respective cPCLs (Table 2).

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, dibenzofuran, and naphthalene (Figure 23-26). PCLE Zones for these COCs were located in the northeastern portion of the Site and offsite to the north and northeast near the Lockwood Bridge for 2-methylnaphthalene and naphthalene PCLE Zones. 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 ROW (MW-25C and historical DNAPL wells around the Lockwood Drive).

Other site-specific SVOCs were detected at concentrations that exceeded their cPCLs in groundwater samples from C-TZ wells during the July 2022 sampling event (Figure 8), as follows:

- 2,6-Dinitrotoluene was detected above the cPCL (0.003 mg/L) in samples collected from on-site wells MW-12C and MW-18C.
- Acenaphthylene and anthracene were detected above cPCLs (1.5 and 7.3 mg/L, respectively) in a sample collected from off-site well MW-45C.
- Benzo(a)anthracene was detected above the cPCL (0.0091 mg/L) in samples collected from on-site well MW-23C and off-site well MW-45C.
- Benzo(a)pyrene was detected above the cPCL (0.0002 mg/L) in samples collected from on-site wells MW-23C and off-site wells MW-45C and MW-46C.
- Chrysene was detected above the cPCL (0.91 mg/L) in a sample collected from off-site well MW-45C.
- Pentachlorophenol was detected above the cPCL (0.001 mg/L) in the sample collected from well MW-18C.
- Phenanthrene was detected above the cPCL (0.73 mg/L) in samples collected from on-site well MW-23C and off-site well MW-45C.
- Pyrene was detected above the cPCL (0.73 mg/L) in a sample collected from off-site well MW-45C.

- In addition, SDLs for 1,2-diphenylhydrazine, 2,4-dinitrotoluene, 2,6-dinitotoluene, 4,6-dinitro-2-methylphenol, 4-nitrophenol, acenaphthene, bis (2-Chloroethoxy) methane, bis(2-Ethylhexyl)phthalate (DEHP), fluoranthene, fluorene, nitrobenzene, N-nitrosodiphenylamine, and pentachlorophenol for a few of the wells (MW-17C, MW-18C, MW-23C, MW-25C, and MW-45C) were greater than respective cPCLs.

DNAPL has been historically detected in samples from wells MW-23C, MW-45C, and MW-46C. Based on historical data and solubility of COCs in water, it is likely that DNAPL was entrained in the sample collected from MW-45C. The results for MW-45C in July 2022 are likely not representative of the dissolved phase concentrations present in the groundwater.

The PCLE zones for these additional SVOCs are within the benzene and primary SVOC PCLE Zones discussed above except for the 2,6-dinitrotoluene exceedance in MW-12C.

The cumulative PCLE Zones for VOCs and SVOCs in the C-TZ are decreasing over time. Plume analytics are discussed in further detail in Section 4.6.2 and Attachment D.

4.5 D -TZ WELLS

VOCs

No site-specific VOCs were detected above cPCLs in samples collected from D-TZ wells during the July 2022 monitoring event.

SVOCs

No site-specific SVOCs were detected above cPCLs in samples collected from D-TZ wells during the July 2022 monitoring event.

4.6 TREND ANALYSIS

WSP evaluated the trends in primary COC concentrations using the Mann-Kendall trend test for individual monitoring wells (Attachment C) and using the Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis for the primary COC groundwater plumes (Attachment D).

4.6.1 INDIVIDUAL WELLS

WSP conducted a trend analysis of the primary COC concentrations for each individual 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 2022 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-detects 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. Monitoring wells with fewer than four sampling events were not tested.

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 occurred when data from a COC and well had a coefficient of variation less than 1, appeared to follow a decreasing trend (when the Mann-Kendall test statistic was negative), and had 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 was greater than 0.1, the COC and well was 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 most of the monitoring wells at the Site. Any COC and well with all concentrations below detection limits during all sampling events is indicated with an "ND" on Table C-1 (Attachment C).

The Mann-Kendall test results identified COCs as probably increasing ("PI") or increasing ("I") in samples from 12 monitoring wells, where recent analytical results were either just above the SDL or J-flagged as estimated (value was between the SDL and method detection level (MDL)). In each case, the recent COC detections were orders of magnitude below the applicable cPCL for the COC. This included the following **12 wells** and COCs:

- A-TZ wells: MW-03 (naphthalene) and MW-60AR (naphthalene);
- B-CZ well: MW-33BR (2,4-dimethylphenol);
- B-TZ wells: MW-38B (dibenzofuran), MW-88B (2-methylnaphthalene, dibenzofuran, and naphthalene) and P-11 (2-methylnaphthalene); and
- C-TZ wells: MW-12C (2,4-dimethylphenol), MW-19C (dibenzofuran), MW-21C (dibenzofuran), MW-46C (2,4-dimethylphenol), MW-47C (dibenzofuran), and MW-85C (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:

- On-site well MW-78A: Results indicate an increasing trend in benzene in samples collected from on-site well MW-78A. MW-78A is part of the current DNAPL recovery well network. Trace amounts of DNAPL were noted in MW-78A during a few of the bi-monthly recovery events[1] in the second half of 2022.

B-CZ/B-TZ:

- Off-site well MW-32B: Results indicate an increasing trend in benzene in samples collected from off-site well MW-32B. MW-32B is part of the current DNAPL recovery well network and consistently has DNAPL detected during the bi-monthly recovery events.
- On-site well MW-49B: Results indicate an increasing trend in benzene, 2,4-dimethylphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene concentrations in samples collected from on-site well

[1] DNAPL recovery is performed bi-monthly (twice monthly) and reported quarterly (see WSP, 2023 for the latest report).

MW-49B. MW-49B is part of the current DNAPL recovery well network and has had DNAPL detected during the bi-monthly recovery events.

- 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).

C-TZ:

- On-site well MW-17C: Results indicate an increasing trend in 2,4-dimethylphenol concentrations in samples from on-site well MW-17C.
- On-site well MW-23C: Results indicate an increasing trend in 2,4-dimethylphenol concentrations in samples from on-site well MW-23C. The 2,4-dimethylphenol concentrations in samples collected from MW-23C have been below RAL or below detection limit since 2009. MW-23C is part of the current DNAPL recovery well network. Trace amounts of DNAPL were noted in MW-23C during a few of the bi-monthly recovery events in the second half of 2022.
- Off-site well MW-45C: Results indicate a probably increasing trend in naphthalene concentrations in samples from off-site well MW-45C. MW-45C is part of the current DNAPL recovery well network. Trace amounts of DNAPL were noted in MW-45C during a few of the bi-monthly recovery events in the second half of 2022.

Of the 120 wells evaluated, samples from 7 wells listed above showed a probably increasing or increasing trend in primary COC concentrations (not including the 12 wells previously discussed with low-level or J-flagged results). Of the seven wells, five wells (MW-78A, MW-32B, MW-49B, MW-23C, and MW-45C) are DNAPL recovery wells where DNAPL has been detected in the wells. The other two wells are on-site monitoring wells TW-41B and MW-17C:

- MW-17C – Increasing trend for 2,4-dimethyphenol concentrations; however, concentrations have been variable over time (above and below the RAL).
- TW-41B - Increasing trends indicated for COCs benzene, 2-methylnaphthalene, dibenzofuran, and naphthalene may be due to the proximity to DNAPL wells MW-12B and MW-41B. Benzene, 2-methylnaphthalene, and dibenzofuran concentrations in samples collected from TW-41B have been below respective cPCLs since installation.

4.6.2 PLUME ANALYTICS

WSP performed a plume analytics evaluation using groundwater analytical data and groundwater elevation data collected from 1984 to 2022 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 of the evaluation is provided below.

Ricker Method® Plume Stability Trend Results			
Constituent	**Area**	**Average Concentration**	**Mass Indicator**
A-TZ (2014 – 2022)			
2,4-Dimethylphenol	Stable	Stable	Stable
2-Methylnaphthalene	Stable	Stable	Stable
Benzene	No Trend	Stable	Stable
Dibenzofuran	Stable	Stable	Stable
Naphthalene	Stable	Stable	Stable
B-CZ/B-TZ (2012 – 2022)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Stable	No Trend	No Trend
Benzene	Stable	Stable	Stable
Dibenzofuran	No Trend	No Trend	No Trend
Naphthalene	Stable	Stable	Stable
C-TZ (2004 – 2022)			
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

A-TZ
As presented above, all trends in the A-TZ were identified as stable 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, not statistically significant, 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 17 times since 2009 and excluding the anomalous January 2020 result, the average concentration of the remaining 16 events is 4.7 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 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. Therefore, it is important to consider all plume metrics together when assessing plume stability.

4.7 ARSENIC

Arsenic concentrations from the July 2022 sampling event were detected above the cPCL (0.010 mg/L) in 34 of the 120 groundwater samples analyzed for arsenic (19 samples in the A-TZ, 11 samples in the B-TZ, and 4 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 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.

However, arsenic concentrations are not related to creosote-related COCs in the A-TZ GWBU at off-site monitoring well MW-91A. 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.

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 site-wide event conducted in July 2022:

- **A-TZ:**
  - The cumulative PCLE Zone in the A-TZ GWBU is within the Site boundary except to the north (along Liberty Road) and east 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 July 2022 sampling event were below the conservative EPA VISL-calculated screening levels.
  - Trend analyses indicate overall plume stability in the A-TZ.
    - Individual well trends analysis results indicate a probably decreasing, decreasing, stable, or no trend for primary COC concentrations in 41 of the 44 A-TZ wells sampled.
      - Results indicate an increasing trend in benzene concentrations in samples collected from on-site A-TZ well (MW-78A). MW-78A is part of the current DNAPL recovery well network. Concentrations in two other wells (naphthalene in MW-03 and in MW-60AR) indicate a probably increasing trend. However, concentrations in both those wells were either low-level detections near the SDL or J-flagged results (below cPCLs).
    - **The plume analytics evaluation indicated that all trends in the A-TZ were identified as stable or not statistically significant for the primary COCs.**
- **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 July 2022 event encompasses the northeastern portion of the Englewood Intermodal Yard, the eastern 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).
  - Trend analyses indicate overall plume stability in the B-CZ/B-TZ.
    - Individual well trend analysis results indicate a probably decreasing, decreasing, stable, or no trend for primary COC concentrations in 37 of the 44 B-CZ/B-TZ wells analyzed.
      - Seven wells completed in the B-CZ/B-TZ indicated probably increasing or increasing concentration trends; however, four of these wells had COC concentrations that were just above the SDL or J-flagged as estimated and were orders of magnitude below the applicable cPCL for the COC. The other three B-CZ/B-TZ wells, MW-12B, TW-41B and MW-49B, indicated increasing trends in concentrations are either located between two DNAPL recovery wells (TW-41B) or have DNAPL present in the wells (MW-12B and MW-49B).
    - **The plume analytics evaluation indicated that trends for the primary COCs in the B-CZ/B-TZ were either stable, decreasing or not statistically significant.**
- **C-TZ:**
  - The cumulative PCLE Zone in the C-TZ is in the northeast portion of the Site and extends off-site to the north and to the east onto the City of Houston ROW.
  - Trend analyses indicate overall plume stability in the C-TZ.
    - Individual well trend analysis results indicate a probably decreasing, decreasing, stable, or no trend in 19 of the 28 C-TZ wells analyzed.

        - 2,4-Dimethylphenol concentrations in samples from on-site wells MW-17C and MW-23C show an increasing trend. Naphthalene concentration in samples collected from MW-45C show a probably increasing trend. Both MW-23C and MW-45C are DNAPL recovery wells. COCs in six other C-TZ wells had probably increasing or increasing trends but were due to slight variations near the SDL (several orders of magnitude below cPCLs).
    - **The plume analytics evaluation indicated that all trends for the primary COCs in the C-TZ were either decreasing or not statistically significant, acknowledging that:**
        - **A statistically increasing trend was identified for average benzene concentration in the C-TZ. However, the benzene plume area evaluation indicated a statistically decreasing trend. All other trends for the primary COCs in the C-TZ were either decreasing or not statistically significant.**

- **D-TZ:**
    - No site-specific VOCs or SVOCs were detected at concentrations above cPCLs in samples collected from D-TZ wells during the July 2022 sampling event.

6 NOTIFICATIONS

With the additional groundwater data collected in the July 2022 event being submitted to the TCEQ in this GMR, 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 E.

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TABLES

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-01A	47.92	7/27/2006	3.10			44.82
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-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
MW-02	47.97	9/21/1998	4.18			43.85
MW-02	47.97	10/26/1998	6.85			41.18

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-10A	49.86	9/28/1994	8.69			41.21
MW-10A	49.86	10/13/1994	9.36			40.54
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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			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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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			

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-19C	53.05	1/4/2022	24.81			28.24
MW-19C	53.05	7/6/2022	26.88			26.17
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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)	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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-33A	44.25	3/15/2004	3.90			40.35
MW-33A	44.25	9/14/2004	7.85			36.4
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-38A	46.39	1/5/2022	3.71			42.68
MW-38A	46.39	7/6/2022	6.11			40.28
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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
MW-46C	44.94	7/6/2022	18.13			26.81
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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
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-49A	46.18	3/7/2007	12.91			33.27
MW-49A	46.18	7/27/2007	8.86			37.32

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-54B	45.25	7/6/2022	15.74			29.51
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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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	Trace		35.84
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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
MW-60B	47.04	1/4/2022	8.51			38.53
MW-60B	47.04	7/6/2022	9.52			37.52
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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
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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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-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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-68C	44.80	7/12/2010	16.52			28.28
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-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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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	Trace		39.77
MW-74B	47.58	7/6/2022	8.23	Trace		39.35
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-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
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-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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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-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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-82B	44.64	2/11/2018	2.53			42.11
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-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-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-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-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-85C	49.10	2/11/2018	22.51			26.59
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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-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-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-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-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
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-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-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-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-91A	44.02	1/4/2022	5.32			38.7
MW-91A	44.02	7/6/2022	8.24			35.78
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-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-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
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-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-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-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-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-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
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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			

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
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
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

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
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
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
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
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
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
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
Chrysene	*0.91*	*2*															
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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*															
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
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
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
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
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
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
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-01A 01/31/2012	MW-01A 01/31/2012 Duplicate	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
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	0.012	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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	0.029	0.028	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
Acenaphthylene	*1.5*	*4.4*	<0.0005	<0.0005	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
Anthracene	*7.3*	*22*	<0.0005	<0.0005	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
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	0.0013 J	<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
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	0.0045 J	0.0044 J	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*											0.00012 J	0.000133 J			
Fluoranthene	*0.98*	*2.9*	0.0012 J	0.0012 J	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
Fluorene	*0.98*	*2.9*	0.0013 J	0.0013 J	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
Naphthalene	*0.49*	*1.5*	<0.0005	<0.0005	<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
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<0.0005	<0.0005	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
Phenol	*7.3*	*22*											<0.0000377	<0.0000377			
Pyrene	*0.73*	*2.2*	<0.0005	<0.0005	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
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-01A 07/08/2015 Duplicate	MW-01A 01/12/2016	MW-01A 01/12/2016 Duplicate	MW-01A 07/07/2016	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
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*	0.0041 J	<0.000019	<0.000019	0.000019 J	0.000095 J	<0.000019	<0.000019	<0.000019	0.00018	0.000096 J	0.00024	0.00021	0.00014	0.00021	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	0.095	0.048	0.043	0.053	0.053	0.044 J	0.061 J	0.043	0.052	0.041	0.039	0.088	0.12	0.027	0.021
Acenaphthylene	*1.5*	*4.4*	0.00099	0.0019	0.0018	0.00063	0.00069	0.00092	0.00098	0.00055	0.00068	0.00086	0.00083	0.00078	0.00086	0.00069	0.00059
Anthracene	*7.3*	*22*	0.0024	0.00052	0.00059	0.00096	0.001	0.00069	0.00093	0.00076	0.00079	0.0012	0.0011	0.002	0.0023	0.00068	0.00046
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	0.00042	0.0004	0.000083 J	0.0001 J	0.00031	0.00026	0.00012 J	0.00029	<0.000072	<0.000085	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	0.009 J	0.00065	0.00054	0.00072	0.00079	0.0011	0.001	0.0017	0.0027	0.0016	0.0015	0.01	0.015	0.0019	0.0014
Di-n-butylphthalate (DBP)	*2.4*	*7.3*															
Fluoranthene	*0.98*	*2.9*	0.0038	0.0027	0.0034	0.0027	0.003	0.0021 J	0.003 J	0.0025	0.0025	0.0032	0.0029	0.0038	0.0043	0.0018	0.0016
Fluorene	*0.98*	*2.9*	0.045	0.0057	0.0042	0.014	0.014	0.01 J	0.015 J	0.014	0.014	0.018	0.017	0.04	0.05	0.0037	0.0027
Naphthalene	*0.49*	*1.5*	0.0049 J	<0.00002	<0.00002	0.00002 J	0.00022 J	<0.00002	<0.00002	0.00025	0.00053	<0.00002	<0.00002	0.00027	0.00042	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	0.0041 J	0.000067 J	0.000075 J	0.000021 J	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
Phenol	*7.3*	*22*															
Pyrene	*0.73*	*2.2*	0.0016	0.0011	0.0014	0.0011	0.0013	0.00095	0.0012	0.0011	0.001	0.0014	0.0014	0.0019	0.0022	0.00086	0.0007
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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-02 01/28/2008	MW-02 07/16/2008
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*																
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*	0.00074	0.00069	0.00019	<0.000019	0.00091 J	0.0015 J	<0.000019	<0.000019	0.0039 J	0.0025 J	0.00011 J	0.000071 J	0.0062	0.0047	<0.00038	<0.00039
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	0.063	0.053	0.024	0.018	0.049	0.044	0.028 J	0.018 J	0.036	0.028	0.042 J	0.028 J	0.027	0.033	0.017	0.0218
Acenaphthylene	*1.5*	*4.4*	0.00071	0.00071	0.00084	0.00066	0.00071	0.00081	0.0014 J	0.00094 J	0.0006 J	0.00043 J	0.00063 J	0.0004 J	0.00043	0.00054	<0.00028	0.0003 J
Anthracene	*7.3*	*22*	0.00097	0.00096	<0.000014	<0.000014	0.0016	0.0016	0.00028 J	0.00011 J	0.0007 J	0.00051 J	0.00064 J	0.00037 J	0.00075	0.00083	0.000922	0.00042 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*	<0.000037	<0.000079	<0.000037	0.000074 J	0.000088 J	<0.000037	<0.000059	<0.00006	<0.00018	<0.00012	<0.000055	<0.000053	<0.000037	0.000096 J	0.00049 J	<0.00019
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	0.0058	0.0054	0.0036	0.0021	0.008	0.009	0.00065	0.00058	0.0059 J	0.0039 J	0.0045 J	0.0029 J	0.0028	0.0029	0.0106	0.00673
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																
Fluoranthene	*0.98*	*2.9*	0.0013	0.0012	0.0011	0.0012	0.0031	0.0035	0.0012	0.00093	0.0012 J	0.00072 J	0.0012 J	0.00076 J	0.0013	0.0016	0.0015	0.000961
Fluorene	*0.98*	*2.9*	0.019	0.016	0.0064	0.0038	0.02	0.018	0.002	0.0016	0.012 J	0.0083 J	0.013 J	0.0064 J	0.0085	0.01	0.0119	0.0103
Naphthalene	*0.49*	*1.5*	0.00034	0.00034	0.00052	<0.00002	<0.00049	0.0052 J	<0.00002	<0.00002	0.00084 J	0.00049 J	0.00048 J	0.00032 J	0.00033	0.00022	0.000827	0.00118
Nitrobenzene	*0.049*	*0.15*																
N-Nitrosodiphenylamine	*0.19*	*0.42*																
Pentachlorophenol	*0.001*	*0.001*																
Phenanthrene	*0.73*	*2.2*	0.00076	0.00067	<0.000021	<0.000021	0.0026	0.0029	<0.000021	<0.000021	0.0015 J	0.00094 J	0.0002 J	0.00012 J	0.0012	0.0012	0.000532	<0.00019
Phenol	*7.3*	*22*																
Pyrene	*0.73*	*2.2*	0.00059	0.00055	0.00052	0.00059	0.0014	0.0017	0.00059	0.00044	0.0005 J	0.00029 J	0.00058 J	0.00037 J	0.00065	0.00072	0.000816	0.00045 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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
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*	<0.0008	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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	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
Acenaphthylene	*1.5*	*4.4*	<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
Anthracene	*7.3*	*22*	<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
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*	<0.0012	<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
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*												<0.000104			
Fluoranthene	*0.98*	*2.9*	<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
Fluorene	*0.98*	*2.9*	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
Naphthalene	*0.49*	*1.5*	<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
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<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
Phenol	*7.3*	*22*												<0.0000377			
Pyrene	*0.73*	*2.2*	<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
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.
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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.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-02 07/07/2016	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-03 01/30/2008	MW-03 01/24/2018
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*														<0.00052	<0.0002
Benzene	*0.005*	*0.005*														<0.00025	<0.0002
Chlorobenzene	*0.1*	*0.1*														<0.00047	<0.0003
Ethylbenzene	*0.7*	*0.7*														<0.00025	<0.0003
Methylene chloride	*0.005*	*0.005*														<0.00054	<0.001
Toluene	*1*	*1*														<0.00041	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*														<0.00127	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*														<0.00008	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*														<0.0003	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*														<0.0002	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*														<0.0002	<0.000042
2-Chloronaphthalene	*2*	*5.8*														<0.0004	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.00093	0.0051	0.00038	<0.000019	0.00011	<0.000019	0.00081	<0.000019	<0.000019	<0.000019	0.00081	<0.0004	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*														<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*														<0.00025	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00058	0.0035	0.0064	0.015	0.0048	0.0016	0.0019	0.003	0.0055	0.0041	<0.000027	<0.000027	0.0063	0.118	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.00019	<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	<0.0003	<0.000015
Anthracene	*7.3*	*22*	0.000026 J	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	0.00172	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*														<0.0002	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*														<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*														<0.0004	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	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	0.001 J	0.000083 J
Chrysene	*0.91*	*2*														<0.0002	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00036	0.0019	0.0023	0.0019	0.0016	0.00046	0.00041	0.00039	0.0006	0.00049	<0.00002	0.00029	0.00089	0.00415	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*														<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.000052 J	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	0.0125	<0.00001
Fluorene	*0.98*	*2.9*	0.00032	0.0016	0.0041	0.0099	0.0029	0.00081	0.00097	0.0017	0.0033	0.002	<0.00003	0.00034	0.0031	0.058	<0.00003
Naphthalene	*0.49*	*1.5*	0.00013	<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	0.000872	<0.00002
Nitrobenzene	*0.049*	*0.15*														<0.0004	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*														<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*														<0.0002	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000066 J	<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	0.000592	<0.000021
Phenol	*7.3*	*22*														<0.0002	<0.000035
Pyrene	*0.73*	*2.2*	0.00003 J	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	0.00538	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*															0.000895 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-04 01/29/2008	MW-04 01/24/2018	MW-04 03/23/2018	MW-04 05/25/2018	MW-04 01/09/2019
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	<0.00052	<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	<0.00025	<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	<0.00047	<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	<0.00025	<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	<0.00054	<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	<0.00041	<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	<0.00127	<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	<0.00008	<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	<0.00029	<0.000041	<0.00004	0.00011 J	<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	<0.00019	<0.000059	<0.000058	<0.000059	<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	<0.00019	<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	<0.00038	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000035	0.000045 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00038	0.00008 J	<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	<0.00019	<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	<0.00024	<0.000048	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00021	<0.000027	<0.000027	0.000061 J	0.0007	<0.000027	<0.000027	<0.000027	<0.000027	<0.00029	0.00013	<0.000027	0.00031	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000022 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000055 J	0.000069 J	0.0001	<0.000014	0.000035 J	<0.000014	0.000057 J	0.000739	<0.000014	<0.000014	0.000054 J	0.000079 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.000051	<0.00005	<0.000051	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	0.000024 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<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	<0.00038	<0.000031	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	0.00011 J	<0.000095	0.00063	0.000055 J	<0.000037	0.00029	0.00029 J	0.00008 J	<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	<0.00019	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00013	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	0.000072 J	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	0.000029 J	<0.000054	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	0.00003 J	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	0.000055 J	0.0002	<0.00001	<0.00001	<0.00001	<0.00001	0.00045 J	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00012	<0.00003	<0.00003	<0.00003	<0.00003	<0.00019	0.000075 J	<0.00003	0.000059 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00029	<0.00024	0.000081 J	<0.00002	0.00038	<0.00015	0.000075 J	<0.00038	0.0013	0.00055	<0.00002	<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	<0.00038	<0.000024	<0.000024	<0.000024	<0.000024
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	<0.000026	<0.000025	<0.000025	<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	<0.00019	<0.000081	<0.000079	<0.00008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000038 J	<0.000021	<0.000021	<0.000021	<0.000021	0.00037 J	<0.000021	0.000099 J	<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	<0.00019	<0.000036	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	0.00002 J	0.000036 J	0.0001	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	0.00003 J	<0.000019	0.00011	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	0.00242	0.00363	**0.0191**	0.000582 J	0.00207	0.00187 J	0.00138 J	0.00371	<0.0004	0.00064 J		0.00454	0.00092 J	0.00492	0.000963 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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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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-05 01/29/2008	MW-05 07/27/2011	MW-05 02/02/2012	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
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	<0.001	<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	<0.0002	<0.0002	<0.0002	<0.00025	<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	<0.0003	<0.0003	<0.0003	<0.00047	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.0011	<0.0011	<0.0005	<0.000137	<0.00011	<0.00019	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<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	<0.0002	<0.0002	<0.0002	<0.00041	<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	<0.0003	<0.0003	<0.0003	<0.00127	<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	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00005	<0.00005	<0.00005	<0.000292	<0.000295	<0.000292	<0.000304
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000784
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784
2-Methylnaphthalene	*0.098*	*0.29*	<0.000059	0.00026	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00038	<0.00005	0.000085 J	<0.00005	0.000468 J	<0.0000667	0.000187 J	<0.0000686
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	<0.000814
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000528	<0.000549
Acenaphthene	*1.5*	*4.4*	0.00052	0.00015	0.00011	<0.000027	<0.000027	<0.000027	<0.000027	0.000545	0.0053	0.00034	<0.00005	<0.0000755	0.000521	0.000194 J	<0.0000784
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000566	<0.0000588
Anthracene	*7.3*	*22*	<0.000014	0.0001	0.00014	<0.000014	<0.000014	<0.000014	0.000079 J	0.000811	<0.00005	<0.00005	<0.00005	0.000621	0.000427 J	0.000411 J	0.000153 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000033 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.0018	0.00034	0.00061	<0.000037	<0.000037	<0.00099	0.00034 J	0.00047	<0.0001	0.00019 J	<0.000349	<0.000352	<0.000349	<0.000363
Chrysene	*0.91*	*2*	<0.000021	0.000034 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784
Dibenzofuran	*0.098*	*0.29*	<0.000058	0.000097 J	0.00004 J	<0.00002	<0.00002	<0.00002	0.000027 J	<0.00029	0.0022	0.00011 J	<0.00005	<0.0000755	0.0000828 J	0.000162 J	<0.0000784
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000059	<0.00002	<0.00002	<0.00002	<0.00003	<0.00019	<0.00005	<0.00005	0.000065 J	<0.000104	<0.000105	<0.000104	<0.000108
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00029	<0.000067	<0.00001	<0.00001	<0.00001	<0.00001	0.00047 J	0.00011 J	<0.00005	<0.00005	<0.000066	0.0000761 J	<0.000066	<0.0000686
Fluorene	*0.98*	*2.9*	0.000053 J	0.000067 J	0.00005 J	<0.00003	<0.00003	<0.00003	<0.00003	0.0002 J	0.0012	0.00012 J	<0.00005	<0.000066	0.000166 J	0.000176 J	<0.0000686
Naphthalene	*0.49*	*1.5*	<0.00053	0.0013	0.00007 J	<0.00002	0.000042 J	<0.00002	<0.000059	<0.00038	<0.00005	0.00087	<0.00005	0.00133	0.000573 J	0.000969 J	<0.000131
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.000098
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	<0.000575	<0.000598
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00017	0.000029 J	<0.000021	<0.000021	<0.000021	<0.000021	0.00039 J	0.00013 J	<0.00005	<0.00005	0.000143 J	<0.0000571	0.000507	<0.0000588
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00005	<0.00005	<0.00005	0.000193 J	<0.0000381	<0.0000377	<0.0000392
Pyrene	*0.73*	*2.2*	0.00016	0.0002	0.000036 J	<0.000019	<0.000019	<0.000019	<0.000019	0.00045 J	0.00014 J	<0.00005	<0.00005	<0.000104	0.000154 J	<0.000104	<0.000108
Metals																	
Arsenic	*0.01*	*0.01*	**0.0127**	0.00223	0.00365	0.00198 J	0.00399	0.00238	0.00232								

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-07 01/29/2008	MW-07 07/16/2008	MW-07 01/22/2009	MW-07 07/22/2009
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		<0.00052		
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		<0.00025		
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		<0.00047		
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		<0.00025		
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		<0.00054		
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		<0.00041		
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		<0.00127		
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	<0.000021	<0.000021				
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.000059	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004				
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042				
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				
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.000087 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00038	<0.00039	<0.0008	<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	<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				
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.00023	<0.000027	0.00043	<0.000027	<0.000027	<0.000027	<0.000027	0.000068 J	<0.000027	<0.00028	<0.00029	<0.0008	<0.0009
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	<0.00028	0.00044 J	<0.0007	<0.0005
Anthracene	*7.3*	*22*	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	0.000516	0.000982	<0.0007	<0.0006
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<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				
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				
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	<0.00019	<0.00019	<0.0012	<0.0033
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				
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000024 J	<0.00002	0.000051 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00028	<0.00029	<0.0007	<0.0007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	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				
Fluoranthene	*0.98*	*2.9*	0.000051 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000044	0.000017	<0.00001	<0.00001	<0.00001	<0.00019	<0.00019	<0.0006	<0.0005
Fluorene	*0.98*	*2.9*	<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	<0.00019	<0.00019	<0.0008	<0.0006
Naphthalene	*0.49*	*1.5*	0.0001	<0.00002	<0.00002	<0.00002	<0.00071	<0.00012	<0.00002	<0.00002	0.00019	<0.00002	<0.00002	<0.00038	0.000675	<0.0008	<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	<0.000024	<0.000024				
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				
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079				
Phenanthrene	*0.73*	*2.2*	0.000054 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00007 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	0.00036 J	<0.0007	<0.0005
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				
Pyrene	*0.73*	*2.2*	0.000047 J	<0.000019	0.00019	<0.000019	0.00019	<0.000019	0.00011	<0.000019	0.00011	0.000074 J	<0.000019	<0.00019	<0.00019	<0.0009	<0.0005
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				

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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		<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000704	R	<0.000066	<0.0000693	<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*	<0.0009	<0.0009		<0.0009	<0.0005	<0.0005	<0.0005	0.00181	<0.0000804	R	<0.0000755	<0.0000792	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	0.00011 J	<0.0000603	R	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0006	<0.0006		<0.0006	<0.0005	<0.0005	<0.0005	0.000833	0.000749	R	0.000696	0.000271 J	0.00014	0.000085 J	0.000055 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*	<0.0033	0.0049 J		<0.0033	<0.0005	<0.0005	<0.0005	<0.000349	<0.000372	R	<0.000349	0.000944	<0.00024	0.00024	<0.000037
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.0007	<0.0007		<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000804	R	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*											<0.000104				
Fluoranthene	*0.98*	*2.9*	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000704	R	<0.000066	0.000189 J	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0006	<0.0006		<0.0006	<0.0005	<0.0005	<0.0005	0.000137 J	<0.0000704	R	<0.000066	0.0000792 J	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0006	<0.0006		<0.0006	<0.0005	<0.0005	<0.0005	<0.0000755	0.000111 J	R	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000603	R	<0.0000566	<0.0000594	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*											<0.0000377				
Pyrene	*0.73*	*2.2*	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000111	R	<0.000104	0.000142 J	<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-07 07/06/2022	MW-08 01/29/2008	MW-08 07/16/2008
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	<0.000019	0.000023 J	0.000066 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00044	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00033	<0.0003
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	<0.00033	0.00044 J
Anthracene	*7.3*	*22*	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	<0.000014	0.00031 J	0.000669
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*	0.00011 J	<0.000037	<0.000088	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00036	<0.000081	<0.000068	<0.00022	<0.0002
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00033	<0.0003
Di-n-butylphthalate (DBP)	*2.4*	*7.3*															
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00022	<0.0002
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	<0.00022	<0.0002
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00025	0.00017	<0.00012	<0.00002	<0.00002	<0.00002	0.000091 J	<0.00044	0.000654
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00022	0.00036 J
Phenol	*7.3*	*22*															
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	0.00007 J	<0.000019	<0.000019	<0.00022	<0.0002
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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*	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000686	<0.0000648	<0.000066	<0.0000693	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000784	<0.0000741	<0.0000755	<0.0000792	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000588	<0.0000556	<0.0000566	<0.0000594	<0.000015
Anthracene	*7.3*	*22*	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	0.000439 J	0.000101 J	0.000494	<0.0000472	0.000056 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*	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	<0.000349	<0.000363	<0.000343	<0.000349	<0.000366	<0.00013
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000784	<0.0000741	<0.0000755	<0.0000792	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*													<0.000104		
Fluoranthene	*0.98*	*2.9*	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000686	<0.0000648	<0.000066	<0.0000693	<0.00001
Fluorene	*0.98*	*2.9*	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000686	<0.0000648	<0.000066	<0.0000693	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000784	<0.0000741	<0.0000755	<0.0000792	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000588	0.0000637 J	<0.0000566	<0.0000594	<0.000021
Phenol	*7.3*	*22*													<0.0000377		
Pyrene	*0.73*	*2.2*	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000108	<0.000102	<0.000104	<0.000109	<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.
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5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-08 01/03/2022	MW-08 07/05/2022	MW-09 01/29/2008
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*															<0.00029
2,4-Dinitrotoluene	*0.0013*	*0.003*															<0.00019
2,6-Dinitrotoluene	*0.0013*	*0.003*															<0.00019
2-Chloronaphthalene	*2*	*5.8*															<0.00038
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	0.000033 J	<0.000019	<0.000019	<0.00038
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															<0.00019
4-Nitrophenol	*0.049*	*0.15*															<0.00024
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00067	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00031	<0.000027	<0.000027	<0.00029
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
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014	<0.00019
Benzo(a)anthracene	*0.0091*	*0.02*															<0.00019
Benzo(a)pyrene	*0.0002*	*0.0002*															<0.00019
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*															<0.00038
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.000038	<0.000037	0.00034 J
Chrysene	*0.91*	*2*															<0.00019
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029
Di-n-butylphthalate (DBP)	*2.4*	*7.3*															<0.00019
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001	0.00045 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00017	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00011	<0.00003	<0.00003	<0.00019
Naphthalene	*0.49*	*1.5*	<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	0.00012	<0.00038
Nitrobenzene	*0.049*	*0.15*															<0.00038
N-Nitrosodiphenylamine	*0.19*	*0.42*															<0.00024
Pentachlorophenol	*0.001*	*0.001*															<0.00019
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021	0.000541
Phenol	*7.3*	*22*															<0.00019
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	<0.00019
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
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.001	<0.0005	<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	<0.0002	<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	<0.0003	<0.0003	<0.0003	0.0041	<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	<0.0003	<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	<0.001	<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	<0.0002	<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	<0.0003	<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	<0.000106	<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	<0.00005	<0.000298	<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*	<0.00005	<0.00005	<0.00005	<0.000125	<0.000059	<0.000058	<0.000058	<0.000059	<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	<0.0000769	<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	<0.0000769	<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	<0.00005	<0.00005	0.000115 J	<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*	<0.00008	<0.00008	<0.00008	<0.000798	<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	<0.000538	<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	<0.00005	<0.00005	0.000188 J	<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*	<0.00005	<0.00005	<0.00005	<0.0000577	<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	0.000471 J	<0.000014	0.00013	0.0001	0.000093 J	0.000061 J	<0.000014	0.000035 J	0.000077 J		0.000065 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000769	<0.000051	<0.00005	<0.00005	<0.000051	<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	<0.0000769	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000043 J		<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.000125	<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*	0.00018 J	<0.00032	0.00022	<0.000356	0.000082 J	<0.000037	0.00011 J	<0.000037	<0.000037	<0.000037	<0.00004	0.000058 J		<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.00005	<0.00005	0.000126 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002		<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	0.000074 J	0.000123 J	<0.00002	<0.00002	0.000031 J	<0.00002	<0.00002	<0.00002	<0.000034	0.00014 J		<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.00005	<0.00005	<0.0000673	<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*	<0.00005	<0.00005	<0.00005	<0.0000673	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003		<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00005	<0.00005	<0.00005	0.00431 J	<0.00002	0.00039	0.00008 J	<0.00002	<0.00015	0.00011	<0.00002	<0.00002		0.0002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000106	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024		<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000962	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025		<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000587	<0.00008	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079		<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.00005	<0.0000577	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.000098	<0.00005	<0.0000385	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035		0.00065	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.00005	<0.000106	<0.000019	<0.000019	0.00004 J	<0.000019	<0.000019	<0.000019	0.000031 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	0.00287	<0.00181		0.00386	0.00147 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-09 07/13/2022	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002		<0.00052												
Benzene	*0.005*	*0.005*	<0.0002		<0.00025												
Chlorobenzene	*0.1*	*0.1*	<0.0003		<0.00047												
Ethylbenzene	*0.7*	*0.7*	<0.0003		<0.00025												
Methylene chloride	*0.005*	*0.005*	<0.001		<0.00054												
Toluene	*1*	*1*	<0.0002		<0.00041												
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003		<0.00127												
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*	0.000024 J	<0.0004	<0.00038	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0000667	0.00178	<0.0000648	0.00262 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*	<0.000027	<0.0003	<0.00029	<0.0008	<0.0009	<0.0009	<0.0009	0.0017 J	<0.0005	<0.0005	0.0016 J	<0.0000762	0.0306	<0.0000741	0.0306
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.0003	<0.00029	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000571	0.000385 J	<0.0000556	<0.000566
Anthracene	*7.3*	*22*	0.0002	<0.0002	<0.00019	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	0.000468 J	0.00036 J	<0.0000463	<0.000472
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005														
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002														
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003														
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00049	<0.0002	0.0002 J	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	0.00171	<0.000356	<0.000343	<0.00349
Chrysene	*0.91*	*2*	<0.000021														
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.0003	<0.00029	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000762	0.00866	<0.0000741	0.00862
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00003 J														
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.0002	<0.00019	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000667	0.000186 J	<0.0000648	<0.00066
Fluorene	*0.98*	*2.9*	<0.00003	<0.0002	<0.00019	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000667	0.00631	<0.0000648	0.0111
Naphthalene	*0.49*	*1.5*	0.00004 J	<0.0004	<0.00038	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000762	0.199	<0.0000741	0.199
Nitrobenzene	*0.049*	*0.15*	<0.000024														
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025														
Pentachlorophenol	*0.001*	*0.001*	<0.000079														
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.0002	<0.00019	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000571	0.00221	<0.0000556	0.00442 J
Phenol	*7.3*	*22*	<0.000035														
Pyrene	*0.73*	*2.2*	<0.000019	<0.0002	<0.00019	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000105	<0.000106	<0.000102	<0.00104
Metals																	
Arsenic	*0.01*	*0.01*	0.00072 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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*													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*	<0.0000693	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	0.00272	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00011	<0.000027	0.000084 J	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.000126 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*	0.000191 J	0.000069 J	<0.000014	0.000073 J	0.000057 J	<0.000014	<0.000014	<0.000014	0.000065 J	<0.000014	<0.000014	<0.000014	0.000021 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*	<0.000366	<0.00088	<0.000096	0.000097 J	0.000088 J	<0.000037	<0.000057	<0.0001	<0.000089	<0.000037	<0.000037	0.00011 J	<0.000037	<0.00026	<0.000051
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	0.000349 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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*															
Fluoranthene	*0.98*	*2.9*	<0.0000693	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.000694	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	0.000038 J	<0.00003	<0.00003	<0.00003	0.000051 J	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	0.000322 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000043 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	0.000126 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
Phenol	*7.3*	*22*															
Pyrene	*0.73*	*2.2*	<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	<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.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-10A 07/05/2022	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	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
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*	0.00016														
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	0.0004	0.0743	0.0975	0.096	<0.0009	0.052	0.069	0.096	0.054	0.1	0.054	0.12	0.977		<0.0000741
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00122	0.00113	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011 J	<0.0005	0.00108	0.00986		<0.000536
Anthracene	*7.3*	*22*	<0.000014	0.00432	0.00484	0.0043 J	0.0029 J	0.0025 J	0.0038 J	0.0068	0.0033 J	0.0057	0.0032 J	0.00546	0.0391		<0.00107
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*	0.00011 J	<0.00019	0.0002 J	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	0.0013 J	<0.0005	<0.0005	<0.000349	<0.0037		0.000408 J
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	0.000056 J	0.0255	0.0392	0.035	0.023	0.018	0.025	0.037	0.019	0.038	0.02	0.0401	**0.302**	0.0334	<0.00493
Di-n-butylphthalate (DBP)	*2.4*	*7.3*		<0.00019	<0.0002	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.011		0.000275 J
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00371	0.00397	0.0039 J	0.0022 J	0.0017 J	0.0026 J	0.0054	0.0023 J	0.0046 J	0.0028 J	0.00427	0.0274		<0.000117
Fluorene	*0.98*	*2.9*	0.00013	0.0374	0.0457	0.051	<0.0006	0.031	0.041	0.059	0.032	0.06	0.031	0.0652	0.468		<0.00429
Naphthalene	*0.49*	*1.5*	0.00021	0.0185	0.014	0.0028 J	0.0082	0.0037 J	0.056	0.075	0.0018 J	0.084	0.004 J	0.00399	0.207		0.0646
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<0.000021														
Phenol	*7.3*	*22*		<0.00019	<0.0002	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0004		<0.000037
Pyrene	*0.73*	*2.2*	<0.000019	0.00146	0.00174	0.002 J	0.0013 J	<0.0005	0.001 J	0.0023 J	0.0011 J	0.002 J	0.0011 J	0.00146	0.0101		<0.000102
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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*	0.0777	0.166	0.0507	0.084	0.11	0.053	0.12	0.051	0.093	0.056	0.07	0.042	0.069	0.029	0.05
Acenaphthylene	*1.5*	*4.4*	<0.000566	0.00104	0.000597	0.00048	0.00054	0.00032	0.00065	0.00033	0.00068	0.00053	0.00059	0.00031	0.00066	0.00028	0.00039
Anthracene	*7.3*	*22*	0.00352 J	0.00702	0.00179	0.003	0.0057	0.0027	0.0056	0.0023	0.0052	0.0024	0.0041	0.0012	0.0028	0.00094	0.0022
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*	<0.00349	<0.000366	<0.000366	<0.00014	<0.000037	0.00025	0.00022	0.00028	<0.000059	<0.000064	0.00035	<0.000037	0.0002	0.00016 J	<0.0001
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	0.0258	0.0727	0.0129	0.032	0.049	0.019	0.052	0.021	0.048	0.021	0.028	0.013	0.022	0.0067	0.017
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00104	<0.000215	<0.000109	<0.000078	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000065 J	<0.000046
Fluoranthene	*0.98*	*2.9*	0.00211 J	0.00711	0.00117	0.0023	0.0045	0.0023	0.0047	0.0022	0.0053	0.0022	0.0038	0.0012	0.0029	0.0015	0.0024
Fluorene	*0.98*	*2.9*	0.0424	0.0975	0.0202	0.047	0.064	0.029	0.068	0.034	0.06	0.031	0.04	0.018	0.036	0.014	0.029
Naphthalene	*0.49*	*1.5*	0.125	**0.556**	0.0247	0.077	0.1	0.0054	0.021	0.0033	0.0013	0.00074	0.00056	0.00023	0.0021	<0.00066	0.0014
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*															
Phenol	*7.3*	*22*	<0.000377	<0.0000396	<0.0000396	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00012 J
Pyrene	*0.73*	*2.2*	<0.00104	0.00234	0.000392 J	0.00095	0.0024	0.0009	0.0022	0.00087	0.0019	0.00088	0.0018	0.00049	0.0013	0.00069	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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-10B 07/06/2021	MW-10B 01/03/2022	MW-10B 07/05/2022	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	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
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	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000673
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	0.01	0.042	0.012	0.0346	0.02	0.0076	<0.0009	<0.0009	0.0028 J	<0.0009	<0.0005	<0.0005	<0.0005	0.00175	0.000878
Acenaphthylene	*1.5*	*4.4*	0.00015	0.00036	0.000098 J	<0.00029	<0.0003	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000577
Anthracene	*7.3*	*22*	0.00028	0.001	0.00067	0.000798	0.00054	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	0.000499	0.00044 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*	0.0016	<0.0001	0.00022	0.00028 J	<0.0002	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	<0.000349	<0.000356
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	0.0019	0.0061	0.0028	0.00276	<0.0003	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00029	<0.00002	<0.00002												
Fluoranthene	*0.98*	*2.9*	0.0005	0.0017	0.001	0.00338	0.00387	0.0012 J	0.0011 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	0.000221 J
Fluorene	*0.98*	*2.9*	0.0018	0.017	0.0056	0.0069	0.00089	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000673
Naphthalene	*0.49*	*1.5*	<0.000065	0.00028	0.00019	<0.00038	<0.0004	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000769
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*				0.00036 J	<0.0002	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000577
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035												
Pyrene	*0.73*	*2.2*	0.00021	0.00075	0.00044	0.00191	0.00184	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	0.000115 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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*															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*	<0.0000648	<0.000066	<0.0000673	<0.000019	<0.000019	<0.000019	<0.00002	<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*	<0.0000741	0.00427	0.000471 J	0.00025	<0.000027	0.0001	<0.000028	<0.000027	<0.000027	0.0017	<0.000027	0.00025	<0.000027	<0.000027	0.00012
Acenaphthylene	*1.5*	*4.4*	<0.0001	0.000185 J	<0.0000577	<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*	<0.00125	0.00126	0.000399 J	0.00017	0.0001	0.00026	0.00021	<0.000014	<0.000014	0.00019	0.00013	0.000097 J	<0.000014	<0.000014	0.0001
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*	0.00046 J	0.00516	<0.000356	<0.00068	<0.000073	0.00038	0.00025	0.00017 J	<0.000073	0.0007	<0.000075	<0.00007	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.0000741	0.000618	<0.0000769	0.00012	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00027	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*		0.000109 J													
Fluoranthene	*0.98*	*2.9*	<0.0000795	0.00215	<0.0000673	0.00028	<0.00001	0.00065	0.000049 J	0.00015	<0.00001	0.00023	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0000648	0.00149	<0.0000673	0.00011	<0.00003	0.00013	<0.000031	<0.00003	<0.00003	0.00083	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0000741	0.000343 J	<0.0000769	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00012	<0.00002	0.000041 J	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<0.0000556	0.000384 J	<0.0000577	<0.000021	<0.000021	<0.000021	0.000067 J	<0.000021	<0.000021	0.000086 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*		<0.0000377													
Pyrene	*0.73*	*2.2*	<0.000102	0.00194	<0.000106	0.00023	<0.000019	0.00073	<0.00002	<0.000019	<0.000019	0.00022	<0.000019	0.000031 J	<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
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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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-11A 07/06/2021	MW-11A 01/03/2022	MW-11A 07/05/2022	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	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
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*	0.00012														
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	0.000055 J												
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00016	<0.000027	0.0649	0.12	0.072	0.12	0.048	0.11	0.039	0.084	0.025	0.1	0.0631	0.108
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.00028	0.00126	<0.0007	0.0015 J	0.0013 J	<0.0005	0.0012 J	0.0012 J	0.0011 J	0.0013 J	0.00136	0.00119
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000042 J	0.00236	0.00472	0.0022 J	0.0043 J	0.0011 J	0.0055	<0.0006	0.0054	<0.0005	0.0055	0.000168 J	0.00321
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*	<0.000079	<0.000072	0.00013 J	0.00021 J	<0.00021	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	0.00195	<0.000356
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.0273	0.0649	0.031	0.054	0.012	0.048	0.006	0.038	<0.0005	0.04	0.00352	0.0231
Di-n-butylphthalate (DBP)	*2.4*	*7.3*				<0.00019	<0.00021	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000106
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.00175	0.00383	0.0018 J	0.0036 J	0.0014 J	0.0046 J	0.0015 J	0.0046 J	0.0013 J	0.0053	0.00307	0.00383
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.0297	0.0578	0.032	0.053	0.013	0.056	0.0038 J	0.046	<0.0005	0.054	0.00205	0.0388
Naphthalene	*0.49*	*1.5*	<0.000074	<0.00002	0.00021	0.0354	0.0772	<0.0008	0.048	<0.0006	0.0068	<0.0006	0.06	<0.0005	0.004 J	<0.0000755	0.00535
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000059 J												
Phenol	*7.3*	*22*				<0.00019	<0.00021	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0000385
Pyrene	*0.73*	*2.2*	0.000025 J	<0.000019	<0.000019	0.000848	0.00163	<0.0009	0.002 J	<0.0005	0.0022 J	<0.0005	0.0024 J	<0.0005	0.0024 J	0.00154	0.00196
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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*	<0.00037	0.0953	0.0472	0.057	<0.000027	0.039	<0.000027	0.043	<0.000027	0.074	0.015	0.13			0.033
Acenaphthylene	*1.5*	*4.4*	<0.00102	0.00166	0.00113	0.00065	<0.000015	0.00031	<0.000015	0.00032	<0.000015	0.00063	0.00054	0.0013			0.0016
Anthracene	*7.3*	*22*	<0.00242	0.00375	0.000945	0.0025	0.00011	0.0018	0.00011	0.0022	0.0001	0.0037	0.00021	0.0045			<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*	0.000493 J	<0.000349	<0.000356	<0.00019	<0.00019	0.00018 J	0.00017 J	<0.000037	<0.0001	<0.000037	<0.000085	<0.00026			0.000095 J
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.0111	0.0199	0.00472	0.014	<0.00002	0.0082	0.000055 J	0.0055	<0.00002	0.032	<0.00002	0.051			<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000317 J	0.000109 J	<0.000106	<0.000044	<0.00002	<0.00002	<0.00002	<0.00002	<0.000045	<0.00002	<0.00002	<0.00002			<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00267	0.00417	0.00201	0.0034	0.00011	0.0025	0.00021	0.0029	<0.00001	0.0043	0.0025	0.005			0.0024
Fluorene	*0.98*	*2.9*	<0.0195	0.0339	0.00867	0.025	<0.00003	0.019	<0.00003	0.025	<0.00003	0.048	0.00015	0.061			0.00035
Naphthalene	*0.49*	*1.5*	0.000382 J	0.0135	<0.0000769	0.0021	<0.00002	0.0082	<0.00002	0.0019	<0.00002	0.34	<0.00002	**0.7**	**1.1**	**0.6**	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*		0.012													
Phenol	*7.3*	*22*	<0.000037	<0.0000377	<0.0000385	<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*	<0.00126	0.00213	0.000935	0.0017	0.00032	0.0012	0.00013	0.0015	<0.000019	0.0023	0.0017	0.0027			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.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-12A 01/30/2008	MW-12A 07/15/2008	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
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	<0.0025
Benzene	*0.005*	*0.005*							<0.00025	<0.00025	0.00073 J	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025
Chlorobenzene	*0.1*	*0.1*							<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025
Ethylbenzene	*0.7*	*0.7*							0.00718	<0.00025	0.0059	0.0029 J	0.00056 J	0.0014 J	0.0015 J	0.0042 J	<0.0025
Methylene chloride	*0.005*	*0.005*							<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	**0.0087 J**
Toluene	*1*	*1*							<0.00041	<0.00041	0.00079 J	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*							0.0105 J	<0.00127	0.012 J	0.0056 J	0.0026 J	0.0025 J	<0.0031	0.0048 J	<0.0075
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
2,4-Dimethylphenol	*0.49*	*1.5*							<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	0.0001 J	<0.00005	<0.00005	0.000056 J
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
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
2-Chloronaphthalene	*2*	*5.8*							<0.0004	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*				0.04			**0.174**	**0.332**	**0.22**	**0.15**	**0.15**	0.033	0.014	0.061	**0.17**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*							<0.0002	<0.00049	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*							<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.067	0.034	0.097	0.06	0.054	0.046	0.173	0.331	0.25	0.19	0.21	0.19	0.038	0.13	0.2
Acenaphthylene	*1.5*	*4.4*	0.00094	0.00075	0.00089	0.00079	0.00064	0.00064	<0.0003	0.00276	0.0036	0.0026	0.0019	0.0016	<0.00005	0.0015	0.0015
Anthracene	*7.3*	*22*	0.0037	0.001	0.0045	0.005	0.0014	0.0039	0.0103	0.0137	0.0099	0.0093	0.011	0.012	0.0017	0.028	0.023
Benzo(a)anthracene	*0.0091*	*0.02*							0.00028 J	0.00026 J	<0.00007	<0.00007	<0.00007	0.00082	<0.00005	<0.00005	0.00011 J
Benzo(a)pyrene	*0.0002*	*0.0002*							<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	**0.0003**	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*							<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000064 J	<0.000066	<0.00013	0.00024	<0.000093	0.00011 J	0.0013 J	0.00033 J	0.00031	0.0006	<0.0002	0.00036	0.00017 J	<0.00027	<0.00012
Chrysene	*0.91*	*2*							0.00024 J	0.00021 J	<0.00007	<0.00007	<0.00007	0.00074	<0.00005	<0.00005	0.00013 J
Dibenzofuran	*0.098*	*0.29*	0.024	0.0057	0.034	0.026	0.009	0.02	**0.125**	**0.212**	**0.18**	**0.14**	**0.18**	**0.15**	0.025	**0.13**	**0.16**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<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
Fluoranthene	*0.98*	*2.9*	0.0045	0.0023	0.0055	0.0065	0.0029	0.0038	0.00693	0.0123	0.0061	0.0059	0.0064	0.0086	0.0017	0.0031	0.007
Fluorene	*0.98*	*2.9*	0.035	0.0077	0.045	0.041	0.017	0.027	0.112	0.475	0.15	0.13	0.16	0.14	0.025	0.067	0.15
Naphthalene	*0.49*	*1.5*	0.3	0.0016	**0.5**	0.48	0.0021	0.17	**2.27**	**1.47**	**2.6**	**1.7**	**0.6**	0.22	0.05	**1.5**	0.36
Nitrobenzene	*0.049*	*0.15*							<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*							<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*							<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*				0.019			0.0833	0.372	0.1	0.087	0.091	0.061	0.015	0.078	0.12
Phenol	*7.3*	*22*	<0.000035	<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
Pyrene	*0.73*	*2.2*	0.0027	0.0014	0.0029	0.0043	0.0017	0.0023	0.00358	0.00518	0.0025	0.0029	0.0025	0.0044	0.00068	0.0026	0.0036
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.
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.0002
Benzene	*0.005*	*0.005*	0.000237 J	0.0000957 J	0.00048 J	0.000122 J	<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	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.000521 J	0.000774 J	0.000257 J	0.000403 J	<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	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.000166	<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
Vinyl chloride	*0.002*	*0.002*	<0.00011			<0.00011											
Xylenes (total)	*10*	*10*	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	<0.0003	<0.0003	<0.0003	<0.0003	0.0013
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000104	<0.000105	**<0.00529**	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**<0.0021**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000292	<0.000295	<0.0149	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000123	<0.000124	**<0.00625**	<0.000126	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.0058**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000755	<0.0000762	**<0.00385**	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.0042**
2-Chloronaphthalene	*2*	*5.8*	<0.0000755	<0.0000762	<0.00385	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021
2-Methylnaphthalene	*0.098*	*0.29*	0.0477	**0.306**	0.0386	**0.121**	0.067	0.008	0.005	<0.000019	0.013	0.0023	0.012	0.013	0.041	0.018	0.06
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000783	<0.00079	**<0.0399**	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.002
4-Nitrophenol	*0.049*	*0.15*	<0.000528	<0.000533	<0.0269	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0047
Acenaphthene	*1.5*	*4.4*	0.253	0.428	0.342	0.292	0.26	0.23	0.17	<0.000027	0.19	0.28	0.093	0.24	0.22	0.095	0.34
Acenaphthylene	*1.5*	*4.4*	<0.0000566	<0.0000571	<0.00288	0.00225	<0.000015	0.0017	0.0015	<0.000015	0.0013	0.0012	0.00096	0.0017	0.0017	0.0013	<0.0015
Anthracene	*7.3*	*22*	0.0179	0.0222	0.0325	0.0179	0.016	0.019	0.014	<0.000014	0.0087	0.0097	0.0076	0.018	0.018	0.009	0.027
Benzo(a)anthracene	*0.0091*	*0.02*	0.000221 J	0.000226 J	<0.00385	0.000268 J	0.00016	0.00026	0.00011	<0.00005	0.00041	0.00015	0.00015	0.00023	0.00031	0.00015	<0.005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000755	<0.0000762	**<0.00385**	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.00012	<0.00002	0.000051 J	0.000034 J	0.00013	<0.00002	**<0.002**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000123	<0.000124	**<0.00625**	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.003**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000349	<0.000352	**<0.0178**	0.000679	<0.00011	0.0002 J	0.00013 J	<0.000037	0.00031	0.00011 J	<0.00013	0.00014 J	<0.00038	<0.000037	<0.0037
Chrysene	*0.91*	*2*	0.000186 J	0.000231 J	<0.00385	0.000241 J	0.00015	0.00022	0.00011	<0.000021	0.00034	0.00015	0.00015	0.00019	0.00032	0.00018	<0.0021
Dibenzofuran	*0.098*	*0.29*	**0.17**	**0.317**	**0.22**	**0.193**	**0.2**	**0.15**	**0.11**	0.000031 J	**0.14**	**0.23**	0.064	**0.16**	**0.17**	0.067	**0.22**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000104	<0.00024	<0.00529	0.000797	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000042	0.00022	0.000063 J	<0.00002	<0.002
Fluoranthene	*0.98*	*2.9*	0.0111	0.0181	0.018 J	0.0132	0.013	0.0097	0.0084	<0.00001	0.0097	0.0067	0.0089	0.015	0.018	0.0079	0.021
Fluorene	*0.98*	*2.9*	0.17	0.316	0.245	0.202	0.21	0.17	0.13	<0.00003	0.16	0.28	0.078	0.21	0.21	0.084	0.26
Naphthalene	*0.49*	*1.5*	0.0828 J	**0.661**	0.0338 J	0.075	0.012	0.0014	<0.0021	<0.00026	<0.0012	<0.00051	0.00048	0.00067	0.0011	0.00036	<0.002
Nitrobenzene	*0.049*	*0.15*	<0.000104	<0.000105	<0.00529	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000943	<0.0000952	<0.00481	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0025
Pentachlorophenol	*0.001*	*0.001*	<0.000575	<0.000581	**<0.0293**	<0.000592	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0079**
Phenanthrene	*0.73*	*2.2*	0.13	0.234	0.192	0.162	0.13	0.13	0.093	<0.000021	0.063	0.082	0.041	0.09	0.096	0.038	0.13
Phenol	*7.3*	*22*	0.000101 J	<0.0000381	<0.00192	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0035
Pyrene	*0.73*	*2.2*	0.00515	0.00818	0.00759 J	0.00649	0.0064	0.0049	0.0042	<0.000019	0.0047	0.0031	0.0044	0.0073	0.0076	0.0059	0.01
Metals																	
Arsenic	*0.01*	*0.01*					**0.017**	0.00133 J	0.00093 J	0.00192 J	0.00192 J	0.00134 J	<0.0004	<0.00124	<0.000669	0.000953 J	0.000421 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.005	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Benzene	*0.005*	*0.005*	0.00344 J	**0.03**	0.0027	0.0017	0.0017	<0.002	<0.002	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0075	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*	0.0125	0.014 J	0.012	0.0073	0.0083	0.0072 J	0.0086 J	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.00054	**<0.025**	<0.001	<0.001	<0.001	**<0.01**	**<0.01**	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013
Toluene	*1*	*1*	0.00515	<0.005	0.0025	0.0013	0.0012	<0.002	<0.002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*		**<0.005**													
Xylenes (total)	*10*	*10*	0.0264	<0.0075	0.019	0.01	0.011	<0.003	0.0056 J	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0008	**<0.0021**	<0.00021	<0.00021	<0.00021	<0.00021	**<0.021**	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0029	<0.004	<0.0004	<0.0004	0.00062 J	**0.52**	<0.04	<0.00031	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0019**	**<0.0058**	<0.00058	<0.00058	<0.00058	<0.00058	**<0.058**	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0019**	**<0.0042**	0.00051 J	<0.00042	<0.00042	<0.00042	**<0.042**	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.0038	<0.0021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021	<0.00041	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.508**	**320 J**	**0.84**	0.02	**0.12**	**0.33**	**1**	<0.00041	<0.00042	0.00045	0.00024	0.00011 J	0.00012 J	0.000099 J	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0019	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.02**	<0.0002	<0.00053	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.0024	<0.0047	<0.00047	<0.00047	<0.00047	<0.00047	<0.047	<0.00026	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.336	**350**	0.82	0.096	0.21	0.27	0.95	<0.00031	<0.00032	0.00052	0.00019 J	<0.00009	0.00012 J	<0.00005	<0.00005
Acenaphthylene	*1.5*	*4.4*	0.0127	**5.7**	0.015	0.0033	0.0074	0.011	0.039 J	<0.00031	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Anthracene	*7.3*	*22*	0.0267	**160**	0.4	0.033	0.063	0.043	0.37	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	0.00746	**79**	**0.23**	**0.021**	**0.031**	**0.037**	**0.21**	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.0019**	**22**	**0.041**	**0.0074**	**0.011**	**0.0092**	**<0.02**	<0.0002	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0038**	**<0.003**	<0.0003	<0.0003	<0.0003	<0.0003	**<0.03**	<0.00041	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0019	<0.0037	<0.00037	<0.00037	<0.00037	<0.00037	**<0.037**	0.00114 J	<0.00021	0.0003	0.00077	<0.00099	<0.0002	0.0004	<0.0001
Chrysene	*0.91*	*2*	0.00596	**64**	0.19	0.018	0.037	0.035	0.14	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	**0.204**	**320**	**0.76**	0.049	**0.15**	**0.26**	**0.9**	<0.00031	<0.00032	0.0004	0.00014 J	<0.00008	0.00011 J	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0019	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.02	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	0.0508	**520**	**1.2**	0.15	0.24	0.44	**1.2**	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	0.196	**420**	0.96	0.11	0.25	0.28	**1**	<0.0002	<0.00021	0.00037	0.00014 J	<0.00007	0.000099 J	0.000071 J	0.0001 J
Naphthalene	*0.49*	*1.5*	**5.55**	**760**	**2.4**	0.017	0.18	**2.4**	**3.9**	0.000734	0.000833	0.003	0.0017	<0.00046	0.00099	0.00048	<0.00054
Nitrobenzene	*0.049*	*0.15*	<0.0038	<0.0024	<0.00024	<0.00024	<0.00024	<0.00024	<0.024	<0.00041	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0024	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.025	<0.00026	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	**<0.0019**	**<0.0079**	<0.00079	<0.00079	<0.00079	<0.00079	**<0.079**	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	0.00015 J	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.322	**1200**	**2.6**	0.28	0.49	0.71	**2.7**	<0.0002	<0.00021	0.00048	0.00015 J	<0.00007	0.00011 J	<0.00005	<0.00005
Phenol	*7.3*	*22*	<0.0019	<0.0035	<0.00035	**.0015 J**	0.0029	0.46	<0.035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	0.033	**330**	**0.74**	0.08	0.15	0.14	0.65	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Metals																	
Arsenic	*0.01*	*0.01*		**0.0491 J**	**0.0195**	**0.0274**	**0.0427**	**0.0253**	**0.0388**								

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.
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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*	<0.0005	<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*	<0.0005	<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*	<0.0005	<0.000145	<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*	<0.001	<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*	<0.0005	<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			<0.00011										
Xylenes (total)	*10*	*10*	<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	<0.000104	<0.000105	<0.000106	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.000292	<0.000295	<0.000298	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	0.00043	<0.00004	<0.00004	0.000079 J	0.00012 J	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.000123	<0.000124	<0.000125	<0.000126	<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	<0.0000769	**0.209**	<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	<0.0000769	<0.0000777	0.000079 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000029 J	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000086 J	0.000146 J	0.000129 J	0.000164 J	<0.000146	0.000091 J	0.000092 J	0.000078 J	0.00039	0.00021	0.00018	0.000052 J	0.00019	0.00018	<0.00017
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000783	<0.00079	<0.000798	<0.000806	<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	<0.000538	<0.000544	<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*	0.00011 J	<0.0000755	<0.0000762	<0.0000769	<0.000114	0.0002	0.0001	<0.000027	0.093	0.000071 J	0.00015	0.00007 J	0.00026	0.00016	<0.00015
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.0000566	<0.0000571	<0.0000577	<0.0000583	<0.000015	0.00064	<0.000015	0.00082	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	0.0000745 J	<0.0000476	<0.0000481	<0.0000485	<0.000014	<0.000014	<0.000014	0.0084	0.00003 J	<0.000014	0.000019 J	0.00011	<0.000014	0.000041 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777	<0.00005	<0.00005	<0.00005	0.00014	<0.00005	<0.00005	<0.00005	0.000057 J	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777	<0.00002	<0.00002	<0.00002	0.000041 J	<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	<0.000125	<0.000126	<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*	<0.00011	<0.000349	<0.000352	<0.000356	<0.000359	<0.00009	0.00013 J	<0.000037	0.00011 J	<0.000037	<0.000037	<0.000053	<0.0002	<0.00021	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777	<0.000021	<0.000021	<0.000021	0.00013	<0.000021	<0.000021	<0.000021	0.000061	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.000054 J	0.0000865 J	0.0000857 J	0.0000979 J	<0.000091	0.0001	<0.00002	0.000052 J	0.067	0.00007 J	0.00012	0.000041 J	0.0002	0.00013	<0.00011
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.000104	<0.00011	<0.000106	<0.000107	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.000021	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.000066	<0.0000667	<0.0000673	<0.000068	<0.00001	<0.00001	<0.00001	0.0071	<0.00001	0.000091 J	<0.000021	0.00018	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.000082 J	0.000149 J	0.000102 J	<0.0000673	<0.000068	<0.00003	<0.00003	0.000087 J	0.085	0.000052 J	0.00019	<0.00003	0.00025	0.00021	<0.00014
Naphthalene	*0.49*	*1.5*	0.00052	0.000729	0.000585 J	<0.000853	<0.000598	0.00046	0.0003	<0.00061	<0.00017	<0.0031	0.0017	<0.00023	0.0014	0.0013	<0.002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0000943	<0.0000952	<0.0000962	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000575	<0.000581	<0.000587	<0.000592	<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*	0.000059 J	<0.0000566	<0.0000571	<0.0000872	<0.0000808	0.000069 J	<0.000021	0.000048 J	0.052	0.000039 J	0.00015	0.000037 J	0.00048	0.00014	0.000099 J
Phenol	*7.3*	*22*	<0.00005	<0.0000377	<0.0000381	<0.0000385	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	0.0004	0.00012 J	0.000042 J	0.000051 J	0.000099 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107	<0.000019	<0.000019	<0.000019	0.0031	<0.000019	0.000068 J	<0.000019	0.00015	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*						0.0025	0.00184 J	0.0017 J	0.000796 J	0.002	0.00195 J	0.00171 J	0.00204	<0.00171	0.0017 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-12C 07/13/2022	MW-13 01/30/2008	MW-13 07/15/2008	MW-13 02/04/2009	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<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	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	0.000401 J	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<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
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001
Toluene	*1*	*1*	<0.0002	<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*											<0.00011			<0.00011	
Xylenes (total)	*10*	*10*	<0.0003	<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*	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.000212	<0.000107	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00029	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005		<0.000301	<0.000596	<0.000301	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.00019	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.00025	<0.000126	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**0.061**	<0.00019	<0.00019	<0.00007	0.00066	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.000042
2-Chloronaphthalene	*2*	*5.8*	0.000023 J	<0.00038	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000077 J	<0.00038	<0.00039	<0.00007	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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00019	<0.00049	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008		<0.000806	<0.0016	<0.000806	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00024	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005		<0.000544	<0.00108	<0.000544	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000055 J	<0.00029	<0.00029	<0.00009	0.00011 J	<0.00009	<0.00009	0.00033	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.000329	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.00029	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	0.0000715 J	<0.000115	<0.0000583	0.00003 J
Anthracene	*7.3*	*22*	0.000025 J	0.000955	0.000642	0.0002	0.00043	<0.00007	<0.00007	0.00037	0.000068 J	0.00011 J	0.0011	0.000878	<0.00118	<0.000587	0.00047
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00014 J	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.000073 J	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00038	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.00025	<0.000126	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00033	0.00051 J	<0.00019	0.00035	0.0016	<0.00044	<0.0002	0.00027	0.00043 J	<0.0001	<0.000349	<0.000359	<0.000712	<0.000359	<0.00011
Chrysene	*0.91*	*2*	<0.000021	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00017 J	<0.00005	<0.0000755	<0.0000777	<0.000154	<0.0000777	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.000052 J	<0.00029	<0.00029	<0.00008	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00019	<0.00019	<0.00007	<0.00007	0.0001 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000211	<0.000212	0.000122 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.000013	0.00046 J	<0.00019	<0.00007	<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
Fluorene	*0.98*	*2.9*	<0.00003	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	0.000072 J	0.00035	<0.00005	0.00012 J	<0.000066	<0.000068	<0.000135	<0.000188	<0.00003
Naphthalene	*0.49*	*1.5*	0.00068	<0.00038	<0.00039	<0.0001	0.007	<0.0001	0.0005	0.00087	<0.00022	<0.00023	<0.0000755	<0.000226	<0.00126	0.0039	0.00014
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00038	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.000212	<0.000107	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.000192	<0.0000971	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005		<0.000592	**<0.00117**	<0.000592	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000051 J	<0.00019	<0.00019	<0.00007	0.00014 J	0.0002	<0.00007	0.00029	0.00015 J	0.00049	<0.0000566	<0.0000583	<0.000115	<0.000163	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005		<0.0000388	<0.0000769	<0.0000388	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.00019	<0.00019	<0.00007	<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
Metals																	
Arsenic	*0.01*	*0.01*	0.00224														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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-13 01/13/2021	MW-13 07/07/2021	MW-13 01/20/2022	MW-13 07/11/2022	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
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
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
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
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
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
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
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
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	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.000063	<0.00004	0.00037	<0.00004	<0.00004	<0.00004	<0.00029	<0.00029	<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	<0.00019	<0.00019	<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	<0.00019	<0.00019	<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	<0.00038	<0.00038	<0.00012	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	0.000077 J	0.000054 J	0.00042	<0.000019	<0.000019	<0.000019	0.000076 J	0.00047 J	0.000782	0.00075	0.00078	0.00064
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	<0.00048	<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	<0.00024	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	0.000066 J	0.00022	0.00014	<0.000027	<0.000027	<0.000027	<0.000027	0.00223	0.000515	0.00047	0.0005	0.00043
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	0.000033 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00029	<0.00006	<0.00006	<0.00007
Anthracene	*7.3*	*22*	0.000039 J	0.000085 J	0.00039	0.00047	<0.000014	0.000071 J	0.00006 J	0.000067 J	<0.000014	0.000084 J	0.000678	<0.00019	<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	<0.00019	<0.00019	<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	<0.00019	<0.00019	<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	<0.00038	<0.00038	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000078 J	0.00011 J	<0.000037	0.000054 J	<0.000037	<0.000037	0.00017 J	0.0012	<0.000037	0.00037	0.0004 J	<0.00019	0.00081	0.0027	0.0054 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	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.000039 J	0.00016	0.00014	<0.00002	<0.00002	<0.00002	<0.00002	0.000491	0.000502	0.00045	0.00045	0.0004
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000029 J	<0.00002	<0.00002	<0.00002	<0.00002	0.00025	<0.00002	<0.00002	0.000028 J	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.00001	0.000015 J	<0.00001	0.000032 J	<0.00001	<0.00001	0.00003 J	<0.00001	<0.00001	0.000023 J	0.000506	<0.00019	<0.00007	<0.00007	<0.00007
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.000042 J	0.00016	0.000088 J	<0.00003	<0.00003	<0.00003	0.00006 J	<0.00019	<0.00019	<0.00007	0.00014 J	0.00013 J
Naphthalene	*0.49*	*1.5*	<0.000083	<0.00002	<0.00022	<0.0011	0.00026	0.0044	<0.00002	<0.00027	<0.00002	0.00015	0.00222	0.00349	0.0032	0.0033	0.003
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	<0.00038	<0.00009	<0.00009	<0.00009
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	<0.00024	<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	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000077 J	<0.000021	<0.000021	<0.000021	0.000059 J	0.000599	0.00061	0.00035	0.00039	0.00041
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	0.00002 J	<0.000019	0.000084 J	<0.000019	0.000053 J	0.00003 J	0.000078 J	<0.000019	0.000055 J	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007
Metals																	
Arsenic	*0.01*	*0.01*	0.00984	**0.014**	**0.0602**	**0.0715**	**0.0642**	**0.0376**	**0.0199**	0.0055	0.00618	0.00472					

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-14 01/19/2010 Duplicate	MW-14 06/22/2010	MW-14 01/17/2011	MW-14 07/26/2011	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
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	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0011	<0.0011	<0.0005	<0.0005	<0.00011	0.000123 J	<0.00011	<0.00011	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<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	<0.0031	<0.0031	<0.0015	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<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	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.000106	<0.000109	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00005 J	0.0013 J	<0.00005	<0.00005	<0.000292	<0.000301	<0.000298	<0.000307	<0.00004	<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	<0.00005	<0.000123	<0.000126	<0.000125	<0.000129	<0.000058	<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	<0.00006	<0.0000755	<0.0000777	<0.0000769	**0.0788**	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0006	0.00049	0.00039	0.00034	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
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	<0.000783	<0.000806	<0.000798	<0.000822	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000528	**R**	<0.000538	<0.000554	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00043	0.00041	0.00033	0.00032	0.00028	0.00005 J	0.00015 J	0.0003	0.00035	0.0006	0.000549	0.000943	0.000619	0.00019	0.00027
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000583	<0.0000577	<0.0000594	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00013 J	<0.00007	<0.00007	<0.00005	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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.00005	<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	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.000125	<0.000129	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00037 J	<0.00077	0.00029	0.00047	0.00065	<0.0001	<0.00013	0.00011 J	0.00011 J	<0.000349	<0.000359	<0.000356	0.000615	<0.000091	<0.000037
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00044	0.00037	0.0003	0.00031	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000104	<0.000179	<0.000106	<0.000109	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00007	<0.00005	<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
Fluorene	*0.98*	*2.9*	0.0001 J	<0.00007	0.000079 J	<0.00005	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
Naphthalene	*0.49*	*1.5*	0.0026	0.0022	0.0024	0.0014	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
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00008 J	<0.000104	<0.000107	<0.000106	<0.000109	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.0000962	<0.000099	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000575	<0.000592	<0.000587	<0.000604	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00043	0.00044	0.0003	0.00033	0.00032	0.00011 J	0.00014 J	0.00038	0.00039	0.000484	0.000662	<0.000591	0.000506	0.00035	0.00032
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00005	<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
Pyrene	*0.73*	*2.2*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00029	0.00029	<0.00005	<0.00005	<0.000104	0.000164 J	<0.000106	<0.000109	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*														<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	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	MW-14 07/07/2021	MW-14 01/05/2022	MW-14 07/11/2022	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
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	<0.00052	<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	0.00161 J	<0.00025	0.0018 J	0.0016 J	0.0017 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	<0.00047	<0.00047	<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	0.00122 J	<0.00025	0.0019 J	0.0015 J	0.0017 J	<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	<0.00054	<0.00054	<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	<0.00041	<0.00041	<0.0005	<0.0005	0.00055 J	<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	0.0056 J	<0.00127	0.0039 J	0.0015 J	0.0047 J	<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	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00013	<0.00004	0.00013 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	0.00042 J	<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	<0.0002	<0.0002	<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	**0.0057**	<0.000042	<0.000042	<0.000042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00041	<0.00012	<0.0001	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.00019	<0.000019	0.00024	<0.000063	0.00011	<0.00028	0.000084 J	0.0127	**0.0995**	0.044	0.033	0.042	0.038
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	<0.00051	<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	<0.00025	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.0001	0.000091 J	0.000083 J	0.00021	0.000058 J	<0.00022	<0.000027	0.134	0.442	0.17	0.17	0.16	0.27
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	<0.00031	0.0017	0.0015	0.00097	0.0011
Anthracene	*7.3*	*22*	<0.000014	0.000052 J	0.000089 J	<0.000014	0.000034 J	0.000077 J	<0.000014	0.000066 J	<0.000014	0.00377	0.00432	0.003	0.0036	0.0049	0.0063
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	0.00023 J	<0.0002	<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	<0.0002	<0.0002	<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	<0.0004	<0.00041	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00014 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00017 J	0.000068 J	<0.000037	<0.0002	<0.0002	0.0026	<0.00073	<0.00084	0.0016
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000087 J	<0.00002	0.000062 J	0.00021	0.000028 J	<0.00014	<0.00002	0.0239	**0.156**	0.047	0.043	0.048	0.05
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000022 J	<0.00002	<0.00002	<0.00002	<0.00029	0.000039 J	<0.00002	<0.00002	<0.0002	<0.0002	0.00029	0.00011 J	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000067 J	0.000064 J	<0.00001	0.00076	0.00003 J	<0.00001	<0.00001	0.00178	0.00183	0.0011	0.0015	0.002	0.0023
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000069 J	0.000057 J	<0.00003	<0.00019	<0.00003	<0.00011	<0.00003	0.0394	0.18	0.059	0.06	0.062	0.076
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.002	<0.00002	0.0042	<0.0004	0.0017	<0.0028	0.00036	0.00684	0.271	0.048	<0.0018	0.036	0.0023
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<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
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	<0.00026	<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	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000059 J	<0.000021	0.000053 J	<0.00042	0.000027 J	0.00004 J	<0.000021	0.0039	0.0229	0.0095	0.0074	0.012	0.019
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00019 J	<0.000035	0.0002 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	0.0002	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.000032 J	0.00006 J	<0.000019	0.00061	0.000039 J	<0.000019	<0.000019	0.00127	0.000664	0.00042	0.00062	0.00076	0.00095
Metals																	
Arsenic	*0.01*	*0.01*	<0.0004	0.000752 J	0.00133 J	0.00185 J	0.000949 J	<0.00277	<0.000963	0.000998 J	0.000633 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-15A 07/13/2011	MW-15A 02/02/2012	MW-15A 07/19/2012	MW-15A 01/30/2013	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
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
Benzene	*0.005*	*0.005*	0.0016 J	0.0012 J	0.0016 J	0.0016	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
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.001	<0.0005	<0.00012	0.000121 J	<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*	0.0019 J	0.0024 J	0.0012 J	0.00066 J	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
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
Toluene	*1*	*1*	<0.001	<0.001	<0.0005	0.000221 J	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
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.0038 J	0.0073 J	0.0097 J	0.00417	0.00527	0.00337	0.00854	0.0018	<0.0003	<0.0003	0.0008 J	0.0026	0.00093 J	0.0026	0.0014
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	**<0.00529**	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00036	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	0.00059	0.00056	0.002	<0.000301	<0.0149	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00024	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	**<0.00625**	<0.000123	<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	<0.0000755	<0.0000777	**<0.00385**	<0.0000755	<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	<0.0000755	<0.0000777	<0.00385	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.14**	0.001	0.046	0.00997	**0.124**	0.0475	0.059	0.0076	0.0016	0.0034	0.0098	0.0077	0.018	0.014	0.013
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.000783	<0.000806	**<0.0399**	<0.000783	<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	<0.000544	<0.0269	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.2	0.13	0.13	0.141	0.332	0.3	0.205	0.13	0.099	0.1	0.1	0.11	0.14	0.091	0.076
Acenaphthylene	*1.5*	*4.4*	0.00097	0.00071	0.0012	<0.0000566	<0.0000583	<0.00288	<0.0000566	0.002	0.0007	0.00069	<0.000015	0.00045	0.00066	0.00047	0.00077
Anthracene	*7.3*	*22*	0.0053	0.0028	0.0046	0.00313	0.0085	0.0111 J	0.00642	0.0026	0.0024	0.0032	0.0025	0.0026	0.0048	0.0028	0.0023
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00385	<0.0000755	<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	<0.0000755	<0.0000777	**<0.00385**	<0.0000755	<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	<0.000123	<0.000126	**<0.00625**	<0.000123	<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	<0.0001	<0.0001	<0.000349	<0.000359	**<0.0178**	<0.000349	<0.000037	<0.000037	**0.0093**	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00385	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.078	0.028	0.046	0.0416	**0.104**	0.0693	0.0572	0.029	0.024	0.018	0.023	0.035	0.036	0.024	0.02
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00005	<0.000104	0.000187 J	<0.00529	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00028
Fluoranthene	*0.98*	*2.9*	0.0021	0.00094	0.0015	0.000885	0.00361	<0.00337	0.00257	0.002	0.0012	0.0016	0.0012	0.0018	0.0031	0.0021	0.0021
Fluorene	*0.98*	*2.9*	0.092	0.043	0.063	0.056	0.139	0.114	0.0822	0.041	0.036	0.029	0.038	0.054	0.065	0.041	0.031
Naphthalene	*0.49*	*1.5*	0.087	0.008	0.27	0.0501 J	**0.526**	0.326	0.248	0.0005	<0.00034	<0.00037	<0.00032	<0.0066	0.00022	<0.00092	<0.00098
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.00529	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.00055	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.00481	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000575	<0.000592	**<0.0293**	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.036	0.0056	0.014	0.00792	0.052	0.0375	0.0203	0.0046	0.0054	0.0074	0.009	0.0095	0.025	0.0096	0.0082
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000388	<0.00192	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	0.00039	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00089	0.00053	0.00084	0.000496	0.00154	<0.00529	0.00101	0.0009	0.00063	0.00078	0.00051	0.00075	0.0013	0.00098	0.00083
Metals																	
Arsenic	*0.01*	*0.01*								**0.0264**	**0.0137**	**0.019**	**0.027**	**0.0251**	**0.0441**	**0.022**	**0.0144**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-15A 07/08/2021	MW-15A 01/12/2022	MW-15A 03/24/2022	MW-15A 07/11/2022	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<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
Benzene	*0.005*	*0.005*	0.00092 J	0.00053 J	0.00028 J	<0.0002	<0.005	**0.0053 J**	0.0022	0.00484	0.00101	0.00292	<0.0002	<0.0002	0.00071 J	<0.0002	0.0023
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<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
Ethylbenzene	*0.7*	*0.7*	0.0003 J	<0.0003	<0.0003	<0.0003	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
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<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
Toluene	*1*	*1*	0.00032 J	<0.0002	<0.0002	<0.0002	<0.005	<0.0025	<0.00015	0.000155 J	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.0018	0.0024	0.00066 J	<0.0003	<0.016	<0.0075	0.000356 J	0.00876	0.000876 J	0.00464	<0.0003	<0.0003	<0.0003	<0.0003	0.0025
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00005	<0.00005	<0.000104	<0.000107	<0.00106	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.0033	<0.00004	<0.00043	<0.00005	<0.000292	<0.000301	<0.00298	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00016
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.00005	<0.00005	<0.000123	<0.000126	<0.00125	<0.000123	<0.000059	<0.000058	<0.000059	<0.000059	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.00006	<0.00006	<0.0000755	<0.0000777	<0.000769	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.000769	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.02	0.0011	0.004	0.00016	**0.29**	0.023	<0.000744	0.00327	0.00325 J	0.00622	<0.000019	<0.000019	0.00015	<0.000019	0.016
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.000783	<0.000806	**<0.00798**	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.00005	<0.00005	<0.000528	<0.000544	<0.00538	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.19	0.056	0.062	0.058	0.17	0.075	0.0413	0.114	0.134	0.0653	<0.000027	<0.000027	0.012	0.0026	0.029
Acenaphthylene	*1.5*	*4.4*	0.00077	0.0015	0.00071	0.00034	0.0011	0.0008	0.000987	<0.0000583	0.00148 J	<0.0000566	0.000059 J	<0.000015	0.00027	0.00015	0.00034
Anthracene	*7.3*	*22*	0.0057	0.0015	0.0024	0.00076	0.039	0.0071	0.00179	0.00581	0.00665	0.00517	0.00034	0.00016	0.00058	0.00023	0.0016
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00005	<0.00005	<0.0000755	<0.0000777	**<0.000769**	<0.0000755	0.00007 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	<0.00005	<0.00005	<0.000123	<0.000126	**<0.00125**	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00017	<0.000037	0.00023	0.000051 J	<0.0001	<0.00018	<0.000349	<0.000359	<0.00356	0.000548	<0.00007	<0.000037	0.0001 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	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
Dibenzofuran	*0.098*	*0.29*	0.041	0.014	0.014	0.0077	**0.15**	0.052	0.0127	0.0589	0.0509	0.0272	0.0005	<0.00002	0.0025	0.00014	0.013
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000077 J	<0.00002	<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
Fluoranthene	*0.98*	*2.9*	0.0041	0.0018	0.0018	0.0011	0.012	0.0062	0.00101	0.00615	0.0131	0.00736	0.0027	<0.00001	0.0031	0.00045	0.0042
Fluorene	*0.98*	*2.9*	0.074	0.019	0.026	0.016	0.084	0.036	0.011	0.0459	0.0443	0.0231	0.00017	<0.00003	0.0028	0.000055 J	0.01
Naphthalene	*0.49*	*1.5*	0.00052	<0.00046	0.011	0.00012	**2.5**	**0.82**	0.0569 J	**0.943**	0.248	0.452	<0.00002	<0.00002	0.02	<0.00002	0.33
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.00005	<0.00005	<0.000104	<0.000107	<0.00106	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.000962	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.00005	<0.00005	<0.000575	<0.000592	**<0.00587**	<0.000575	<0.00008	<0.000079	<0.00008	<0.00008	<0.000079
Phenanthrene	*0.73*	*2.2*	0.021	0.00084	0.0067	0.00068	0.08	0.052	0.00199	0.0376	0.0257	0.0204	0.00033	<0.000021	0.00016	<0.000021	0.0065
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.0049	<0.000035	<0.00012	<0.00005	<0.0000377	<0.0000388	0.00141 J	0.00112	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019
Pyrene	*0.73*	*2.2*	0.0017	0.0008	0.00084	0.00056	0.005	0.0031	0.000513	0.00291	0.00569	0.00406	0.0016	<0.000019	0.0017	0.00027	0.0018
Metals																	
Arsenic	*0.01*	*0.01*	**0.0204**	**0.0126**	**0.0187**	**0.0248**							0.00895	0.00329	**0.0111**	0.00244	**0.0133**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15B 01/14/2020	MW-15B 07/14/2020	MW-15B 01/19/2021	MW-15B 07/08/2021	MW-15B 01/05/2022	MW-15B 07/11/2022	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
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
Benzene	*0.005*	*0.005*	<0.0002	0.0025	<0.0002	0.0024	<0.0002	0.0019	0.00109 J	<0.00025	0.00096 J	0.0012 J	0.001 J	0.00096 J	<0.001	<0.001	<0.0005
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
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.0016	<0.0003	0.0015	<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
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
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	0.00036 J	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003	0.0026	<0.0003	0.0028	0.00078 J	<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	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<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
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00039	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.013	0.003	0.029	<0.00041	0.023	<0.00039	<0.00042	0.000084 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000099 J	0.00022
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00053	<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	<0.00024	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.000073 J	0.019	0.015	0.045	0.035	0.039	0.0293	0.103	0.034	0.0097	0.013	0.032	0.016	0.041	0.042
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00018	0.00029	0.00031	0.00035	0.00016	<0.00029	0.000651	0.00052	0.00041	0.00062	0.0011	0.0012	0.0013	0.002
Anthracene	*7.3*	*22*	0.00011	0.0018	0.00033	0.0027	0.00075	0.0027	<0.0002	0.000731	0.00078	0.00031	<0.00007	<0.00007	<0.00005	0.00021	0.00045
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00018	0.000074 J	0.00021	0.00012	0.00026	<0.0002	<0.00021	<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	<0.0002	**<0.00021**	<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	<0.00039	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000055 J	<0.000037	<0.000037	<0.00017	<0.000037	0.000094 J	0.00044 J	<0.00021	<0.0002	<0.00065	<0.00059	0.00044	<0.00057	<0.0001	<0.00012
Chrysene	*0.91*	*2*	<0.000021	0.00015	0.000067	0.00019	0.000094 J	0.00027	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.0097	0.0061	0.022	0.0074	0.018	0.0336	0.0904	0.034	0.0075	0.005	0.018	0.0046	0.027	0.021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000059 J
Fluoranthene	*0.98*	*2.9*	0.00011	0.0037	0.0019	0.0064	0.0028	0.0056	0.000607	0.00103	0.0006	0.00029	0.0002 J	0.0003	0.00031	0.0016	0.00079
Fluorene	*0.98*	*2.9*	0.000062 J	0.0098	0.0042	0.021	0.0061	0.018	0.00328	0.00278	0.0027	0.0011	0.00071	0.0017	0.00074	0.0025	0.0014
Naphthalene	*0.49*	*1.5*	<0.00002	0.32	0.099	0.42	<0.019	0.28	0.00137	0.00195	0.0016	<0.00057	<0.00094	0.00091	<0.00046	0.0011	0.0018
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00039	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00026	<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	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.00005 J	0.0087	0.00058	0.015	0.0004	0.019	<0.0002	0.00028 J	<0.00007	0.00014 J	<0.00007	<0.00007	0.00019 J	0.0015	0.00038
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.000096 J	<0.000035	<0.000035	<0.000035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	0.00006 J	0.0021	0.00099	0.0035	0.002	0.0032	0.000542	0.00052	0.00027	0.00012 J	0.00011 J	0.00015 J	0.00018 J	0.00093	0.00046
Metals																	
Arsenic	*0.01*	*0.01*	0.00343	**0.0131**	**0.0171**	**0.0128**	**0.014**	**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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15C 01/30/2013	MW-15C 07/30/2013	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.001	<0.0002
Benzene	*0.005*	*0.005*	0.000951 J	0.000831 J	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
Chlorobenzene	*0.1*	*0.1*	<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	<0.0015	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.000408 J	0.000203 J	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
Methylene chloride	*0.005*	*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	**0.0061 J**	<0.001
Toluene	*1*	*1*	0.000323 J	0.000263 J	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
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.000604 J	0.000839 J	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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0104**	<0.000107	<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
2,4-Dimethylphenol	*0.49*	*1.5*	**113**	<0.000301	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0123**	<0.000126	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00755**	<0.0000777	<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
2-Chloronaphthalene	*2*	*5.8*	<0.00755	<0.0000777	<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
2-Methylnaphthalene	*0.098*	*0.29*	**0.35**	<0.000068	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0783**	<0.000806	**<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
4-Nitrophenol	*0.049*	*0.15*	**<0.0528**	<0.000544	<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
Acenaphthene	*1.5*	*4.4*	0.13	0.0574	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
Acenaphthylene	*1.5*	*4.4*	<0.00566	0.00268	<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
Anthracene	*7.3*	*22*	0.0191 J	0.0000945 J	<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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00755	<0.0000777	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00755**	<0.0000777	**<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0123**	<0.000126	**<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.0349**	<0.000359	<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
Chrysene	*0.91*	*2*	<0.00755	<0.0000777	<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
Dibenzofuran	*0.098*	*0.29*	**0.116**	0.0141	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0104	<0.000107	<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
Fluoranthene	*0.98*	*2.9*	<0.0066	0.000634	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
Fluorene	*0.98*	*2.9*	0.0769	0.00159	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
Naphthalene	*0.49*	*1.5*	**89.7**	<0.00122	<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
Nitrobenzene	*0.049*	*0.15*	<0.0104	<0.000107	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00943	<0.0000971	<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
Pentachlorophenol	*0.001*	*0.001*	**<0.0575**	<0.000592	**<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
Phenanthrene	*0.73*	*2.2*	0.0868	0.000354 J	<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
Phenol	*7.3*	*22*	**61.8**	<0.0000388	<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
Pyrene	*0.73*	*2.2*	<0.0104	0.00037 J	<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
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

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.
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 - 2022)
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
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**
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**
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
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
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**
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
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
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**
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**
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**
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**
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
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**
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**
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**
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
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
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
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**
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**
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**
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**
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
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**
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
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
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
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**
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**
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
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**
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
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
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
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-17 07/17/2014	MW-17 01/30/2018	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-17C 01/30/2008	MW-17C 01/30/2008 Duplicate
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0028	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.0002	<0.0002	**<0.01**	<0.002	<0.0002	<0.002	<0.0002	<0.00052	<0.00052
Benzene	*0.005*	*0.005*	**0.576**	**0.47**	**0.55**	**0.61**	**0.35**	**0.54**	<0.0002	**0.41**	**0.3**	**0.48**	**0.42**	**0.22**	**0.5**	**0.0565**	**0.0517**
Chlorobenzene	*0.1*	*0.1*	<0.0024	<0.0003	<0.0003	<0.003	<0.003	<0.0003	<0.0003	<0.0003	<0.015	<0.003	<0.0003	<0.003	<0.0003	<0.00047	<0.00047
Ethylbenzene	*0.7*	*0.7*	0.209	0.26	0.19	0.23	0.21	0.23	<0.0003	0.2	0.19	0.18	0.17	0.12	0.18	0.292	0.312
Methylene chloride	*0.005*	*0.005*	**0.0187 J**	<0.001	<0.001	**<0.01**	**<0.01**	<0.001	<0.001	<0.001	**<0.05**	**<0.01**	<0.001	**<0.01**	<0.001	<0.00054	<0.00054
Toluene	*1*	*1*	0.93	0.97	0.83	0.82	0.68	0.83	<0.0002	0.65	0.61	0.75	0.79	0.37	0.75	0.0137	0.014
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.641	0.81	0.47	0.77	0.66	0.78	<0.0003	0.6	0.57	0.54	0.6	0.33	0.56	0.485	0.485
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.00519**	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.0008	**<0.04**
2,4-Dimethylphenol	*0.49*	*1.5*	**13.9**	**4.3**	**7.7**	**4.2**	**1.9**	**5.9**	<0.00004	**11**	0.2	**0.85**	**2.6**	**0.88**	**4.8**	<0.0029	<0.14
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.00613**	<0.00058	<0.00058	<0.00059	<0.00058	<0.00058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**	**<0.0019**	**<0.096**
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00377**	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**	**<0.0019**	**<0.096**
2-Chloronaphthalene	*2*	*5.8*	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.0038	<0.19
2-Methylnaphthalene	*0.098*	*0.29*	**0.636**	**0.3**	**0.38**	**0.34**	**0.23**	**0.39**	<0.000019	**0.62**	**0.21**	0.094	**0.29**	**0.25**	**0.37**	**1.09**	**0.418**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0392**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0019	**<0.096**
4-Nitrophenol	*0.049*	*0.15*	<0.0264	<0.00047	<0.00047	0.0076 J	<0.00047	<0.00047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.0024	**<0.12**
Acenaphthene	*1.5*	*4.4*	0.195	0.084	0.13	0.11	0.091	0.16	<0.000027	0.25	0.07	0.029	0.17	0.085	0.15	0.726	0.339
Acenaphthylene	*1.5*	*4.4*	<0.00283	0.0029	<0.00015	0.0041	0.0029	0.0042	<0.000015	0.0039	0.0023	0.0034	0.0046	<0.00015	0.0047 J	<0.0029	<0.14
Anthracene	*7.3*	*22*	0.0202 J	0.0065	0.011	0.0094	0.0057	0.0092	<0.000014	0.0086	0.0064	0.0093	0.0085	0.0063	0.014	0.178	<0.096
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00377	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00005	<0.0005	0.0009 J	<0.0005	<0.0005	<0.0005	<0.005	**0.0466**	**<0.096**
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00377**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.002**	**0.0128**	**<0.096**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.00613**	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.003**	**<0.0038**	**<0.19**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.0175**	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.000037	<0.00037	<0.00037	<0.00037	<0.00037	0.0017 J	<0.0037	<0.0019	**<0.096**
Chrysene	*0.91*	*2*	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	0.00062	<0.00021	<0.00021	<0.00021	<0.0021	0.0428	<0.096
Dibenzofuran	*0.098*	*0.29*	**0.148**	0.071	0.092	0.082	0.072	**0.12**	<0.00002	**0.1**	0.061	0.092	0.095	0.066	**0.11**	**0.61**	**0.291**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00519	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0019	<0.096
Fluoranthene	*0.98*	*2.9*	0.00429 J	0.0022	0.003	0.0022	0.0015	0.0039	0.00011	0.003	0.0056	0.0036	0.003	0.0023	0.0098 J	0.322	<0.096
Fluorene	*0.98*	*2.9*	0.0943	0.04	0.057	0.051	0.043	0.06	<0.00003	0.066	0.039	0.056	0.065	0.048	0.071	0.422	0.167
Naphthalene	*0.49*	*1.5*	**15.4**	**7.4**	**12**	**8.1**	**5.5**	**8.9**	<0.00002	**18**	0.2	**9**	**8.9**	**5.4**	**13**	**9.8**	**6.35**
Nitrobenzene	*0.049*	*0.15*	<0.00519	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.0038	**<0.19**
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00472	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.0024	<0.12
Pentachlorophenol	*0.001*	*0.001*	**<0.0288**	<0.00079	<0.00079	<0.0008	<0.00079	<0.00079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**	**<0.0019**	**<0.096**
Phenanthrene	*0.73*	*2.2*	0.0725	0.034	0.044	0.044	0.028	0.045	<0.000021	0.048	0.036	0.047	0.045	0.035	0.068	**1.09**	0.316
Phenol	*7.3*	*22*	**18.1**	7.1	**18**	6.5	2.2	**9.9**	<0.000035	**33**	0.6	0.4	4.8	1.8	**8.4**	<0.0019	<0.096
Pyrene	*0.73*	*2.2*	<0.00519	0.0011	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	0.19	<0.096
Metals																	
Arsenic	*0.01*	*0.01*		**0.0444**	**0.0419**	**0.0415**	**0.046**	**0.046**	0.00154 J	**0.0514**	**0.0584**	**0.0602**	**0.0633**	**0.0524**	**0.0483**		

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.
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 - 2022)
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
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
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**
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
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
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
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
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
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
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
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
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
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
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**
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
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
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
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
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
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
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
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
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
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
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**
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
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
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
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**
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
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
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
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
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
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
Metals																	
Arsenic	*0.01*	*0.01*														0.00112 J	0.00688

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-17C 05/16/2018	MW-17C 01/10/2019	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-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*	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.00052	<0.00052	<0.0025	<0.005	<0.0025	<0.0025
Benzene	*0.005*	*0.005*	**0.0099**	**0.012**	**0.0097**	<0.0002	**0.0071**	**0.018**	**0.019**	**0.011**	**0.0081**	**0.503**	**0.321**	**0.48**	**0.51**	**0.47**	**0.55**
Chlorobenzene	*0.1*	*0.1*	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	0.0167	0.0074	0.017 J	<0.005	<0.0025	<0.0025
Ethylbenzene	*0.7*	*0.7*	0.12	0.027	0.027	<0.0003	0.11	0.045	0.014	0.14	0.017	0.555	0.153	0.52	0.48	0.54	0.55
Methylene chloride	*0.005*	*0.005*	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.00054	<0.00054	<0.0025	<0.005	<0.0025	<0.0025
Toluene	*1*	*1*	0.0069	0.0087	0.0073	<0.0002	0.0036	0.0031	0.018	0.0045 J	0.0057	0.374	0.0718	0.23	0.32	0.45	0.35
Vinyl chloride	*0.002*	*0.002*					--		<0.002	<0.001	<0.0002				**0.059**		**0.07**
Xylenes (total)	*10*	*10*	0.094	0.05	0.039	<0.0003	0.056	0.048	0.029	0.083	0.022	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	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	**<0.0021**	**<0.008**	<0.0008	<0.0001	<0.0001	<0.0005	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.08	0.47	0.21	<0.00004	0.17	**0.71**	**2.1**	0.076	**0.64**	**12.5**	**2.17**	**1.9**	**4.5**	**7.9**	**9.6 J**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	<0.000058	**<0.0058**	**<0.02**	**<0.002**	<0.00009	<0.00009	<0.00045	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042	<0.000042	**<0.0042**	**<0.02**	**<0.002**	<0.00007	<0.00007	<0.00035	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	<0.0021	<0.041	<0.004	<0.00012	<0.0001	<0.0005	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	**1.1**	0.025	0.026	0.000073 J	0.048	0.0082	0.025	0.052	0.016	**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	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002	<0.002	**<0.02**	**<0.005**	<0.00008	<0.00008	<0.0004	<0.00008
4-Nitrophenol	*0.049*	*0.15*	0.0017	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.00047	<0.000047	<0.0047	<0.026	<0.0025	<0.00007	<0.00007	<0.00035	<0.00007
Acenaphthene	*1.5*	*4.4*	1.4	0.031	0.035	0.00023	0.079	0.027	0.039	0.085	0.042	0.343	0.466	0.19	0.23	0.25	0.24
Acenaphthylene	*1.5*	*4.4*	0.0017	0.00047	0.00037	<0.000015	0.0011	0.00043	0.00074 J	0.00081	<0.0015	<0.031	0.0131	0.0092	0.0062	0.0095	0.0072
Anthracene	*7.3*	*22*	0.0088	0.0012	0.0013	<0.000014	0.0063	0.00084	0.0017	0.0041	0.0023 J	<0.02	0.0114	0.009	0.0069	0.0075	0.0073
Benzo(a)anthracene	*0.0091*	*0.02*	0.00011	0.000062 J	<0.00005	<0.00005	<0.0005	0.00016	<0.0005	<0.00005	<0.005	**<0.02**	<0.002	<0.00007	<0.00007	<0.00035	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	0.00006 J	<0.0002	<0.00002	**<0.002**	**<0.02**	**<0.002**	<0.00008	<0.00008	**<0.0004**	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	<0.00003	**<0.003**	**<0.041**	**<0.004**	<0.00009	<0.00009	<0.00045	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0018	0.00062	0.00056	<0.000037	<0.00037	0.0012	0.0019 J	0.000078 J	<0.0037	**<0.02**	<0.002	0.00033	<0.0002	<0.001	<0.0002
Chrysene	*0.91*	*2*	0.00011	0.000059 J	<0.000021	<0.000021	<0.00021	0.00014	<0.00021	<0.000021	<0.0021	<0.02	<0.002	<0.00007	<0.00007	<0.00035	<0.00007
Dibenzofuran	*0.098*	*0.29*	**0.099**	0.027	0.027	0.000065 J	0.068	0.022	0.031	0.071	0.031	**0.233**	**0.29**	**0.12**	**0.15**	**0.16**	**0.15**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000058 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002	<0.002	<0.02	<0.002	<0.00007	<0.00007	<0.00035	<0.00007
Fluoranthene	*0.98*	*2.9*	0.0044	0.00078	0.0009	0.00034	0.0034	0.00084	0.00065 J	0.0023	0.0012 J	<0.02	0.0021	0.0026	0.0013	0.0013	0.0014
Fluorene	*0.98*	*2.9*	0.06	0.012	0.014	0.000061 J	0.042	0.0093	0.017	0.044	0.017	0.155	0.182	0.089	0.096	0.11	0.094
Naphthalene	*0.49*	*1.5*	**53**	**1.1**	**0.97**	0.00016	**2.6**	0.37	**0.53**	**3.3**	0.25	**7.93**	**7.43**	**3.3**	**4.3**	**6.1**	**5.9**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024	<0.0024	<0.041	<0.004	<0.00009	<0.00009	<0.00045	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.000025	<0.0025	<0.026	<0.0025	<0.00009	<0.00009	<0.00045	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	<0.000079	**<0.0079**	**<0.02**	**<0.002**	<0.00008	<0.00008	<0.0004	<0.00008
Phenanthrene	*0.73*	*2.2*	0.07	0.01	0.01	<0.000021	0.047	0.0048	0.012	0.045	0.016	0.118	0.12	0.078	0.067	0.082	0.063
Phenol	*7.3*	*22*	0.00022	0.033	0.00073	<0.000035	0.18	0.049	0.1	<0.000035	<0.0035	0.364	<0.002	0.005	0.043	0.0054	0.02
Pyrene	*0.73*	*2.2*	0.0025	0.00045	0.00046	0.00021	0.0017	0.00045	0.00037 J	0.0012	<0.0019	<0.02	<0.002	0.0013	0.00075	0.00063 J	0.00085
Metals																	
Arsenic	*0.01*	*0.01*	0.00479	0.0013 J	0.000854 J	0.00184 J	0.00531	0.000807 J	0.0012 J	0.00829	0.000869 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.
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 - 2022)
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
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**
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**
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
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
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**
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
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**
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
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
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
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
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
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
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**
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
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
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
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
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
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
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
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
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
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
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**
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
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
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
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
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
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
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
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
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	<0.00035
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
Metals																	
Arsenic	*0.01*	*0.01*								0.0043	**0.0239**	**0.0291**	0.0031	**0.0248**	**0.0236**	**0.0428**	**0.016**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-18A 07/20/2021	MW-18A 01/26/2022	MW-18A 07/12/2022	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*	<0.002	<0.0002	<0.0002	<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*	**0.29**	**0.48**	**0.54**	**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*	<0.003	<0.0003	<0.0003	<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*	0.25	0.32	0.17	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*	**<0.01**	<0.001	<0.001	<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*	0.2	0.087	0.027	**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*	<0.002	<0.0002	**0.0024**						**<0.0025**	**<0.01**	**<0.005**	**<0.005**	**<0.0055**	**<0.011**	**<0.0055**
Xylenes (total)	*10*	*10*	0.38	0.54	0.14	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*	<0.00021	<0.00021	<0.001	**<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*	**0.8**	**1.8**	**3.3**	<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*	<0.00058	<0.00058	**<0.0029**	**<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*	<0.00042	<0.00042	**<0.0021**	**<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*	<0.00021	<0.00021	<0.001	<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*	**0.28**	**0.44**	**0.4**	**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*	<0.0002	<0.0002	<0.001	**<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*	<0.00047	<0.00047	0.026 J	**<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*	0.15	0.26	0.25	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*	0.0043	0.0082	0.008	<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*	0.0058	0.0099	0.0091	<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*	<0.0005	<0.0005	<0.0025	**<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*	<0.0002	<0.0002	**<0.001**	**<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*	<0.0003	<0.0003	**<0.0015**	**<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*	<0.00037	<0.00037	<0.0018	**<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*	<0.00021	<0.00021	<0.001	<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
Dibenzofuran	*0.098*	*0.29*	0.092	**0.16**	**0.16**	**0.263**	**0.23**	**0.16**	0.091	0.077	**0.13**	**0.11**	0.06	**0.14**	**0.288**	**0.225**	**0.276**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.001	<0.098	<0.002	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	<0.00005	<0.0545	<0.00534	<0.0106
Fluoranthene	*0.98*	*2.9*	0.0016	0.0026	0.0026 J	<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*	0.073	0.13	0.12	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
Naphthalene	*0.49*	*1.5*	0.2	**4.2**	**4.2**	**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*	<0.00024	<0.00024	<0.0012	**<0.2**	<0.0041	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	**<0.0545**	<0.00534	<0.0106
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.0012	<0.12	<0.0026	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	<0.0495	<0.00485	<0.00962
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	**<0.004**	**<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*	0.056	0.089	0.087	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*	0.021	<0.00035	<0.0018	<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*	0.00072 J	0.0011	0.0011 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*	**0.0202**	**0.0218**	**0.0252**												

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.
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 - 2022)
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-19C 01/31/2008	MW-19C 07/15/2008	MW-19C 02/04/2009
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	<0.00052	<0.00052	<0.0005
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**	0.00398 J	<0.00025	<0.0005
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	<0.00047	<0.00047	<0.0005
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	<0.00025	<0.00025	<0.0005
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	<0.00054	<0.00054	<0.0005
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	0.00596	<0.00041	<0.0005
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	<0.00127	<0.00127	<0.001
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	<0.00008	0.00023 J	<0.0001
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	<0.00029	<0.00028	<0.00008
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**	<0.00019	<0.00019	<0.00009
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**	<0.00019	<0.00019	<0.00007
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	<0.00038	<0.00038	<0.00012
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**	0.00132	<0.00038	0.00025
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	<0.00019	<0.00047	<0.00008
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	<0.00024	<0.00024	<0.00007
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	0.000562	<0.00028	0.00022
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	<0.00029	<0.00028	<0.00006
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	<0.00019	<0.00019	<0.00007
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	<0.00019	<0.00019	<0.00007
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**	<0.00019	<0.00019	<0.00008
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**	<0.00038	<0.00038	<0.00009
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	<0.00019	0.00027 J	<0.0002
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	<0.00019	<0.00019	<0.00007
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**	0.00042 J	<0.00028	0.00017 J
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	<0.00019	<0.00019	<0.00007
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	<0.00019	0.00182	0.00015 J
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	0.00044 J	<0.00019	<0.00007
Naphthalene	*0.49*	*1.5*	**14.7**	**14**	**12**	**21**	**4.4**	**9.9**	**14**	**10**	**0.8**	0.2	**5.6**	**10**	0.0613	0.000826	0.0077
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	<0.00038	<0.00038	<0.00009
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	<0.00024	<0.00024	<0.00009
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**	<0.00019	<0.00019	<0.00008
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	<0.00019	<0.00019	<0.00007
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	<0.00019	<0.00019	<0.00007
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	0.00036 J	0.00117	<0.00007
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			

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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*	<0.0005	<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*	**0.0056**	<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*		<0.0005	<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*	0.0018 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*	<0.0005	<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*	0.0076	<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*	0.0043 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*	<0.0001	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*	<0.00008	<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*	<0.00009	<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*	<0.00007	<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*	<0.0001	<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*	0.0017	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*	<0.00008	<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*	<0.00007	<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*	0.001	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*	0.00014 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*	0.0001 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*	<0.00007	<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*	<0.00008	<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*	<0.00009	<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*	<0.0028	<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*	<0.00007	<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
Dibenzofuran	*0.098*	*0.29*	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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
Fluoranthene	*0.98*	*2.9*	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*	0.00032	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
Naphthalene	*0.49*	*1.5*	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*	<0.00009	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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
Pentachlorophenol	*0.001*	*0.001*	<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*	0.00016 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*	<0.00007	<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*	0.0002	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.
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 - 2022)
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-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	MW-20A 03/19/2018	MW-20A 05/15/2018
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.00052	<0.005	<0.005	<0.0005	<0.00014	<0.0002	<0.0002	<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	**0.0609**	**0.098**	**0.057**	**0.089**	**0.0746**	**0.053**	**0.05**	**0.062**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.00047	<0.005	<0.005	<0.0005	<0.00012	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.00096 J	0.00064 J	0.0011	0.0013	0.0016	<0.0015	0.0019	0.0965	0.077	0.046	0.1	0.0619	0.05	0.027	0.045
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.00054	**<0.0065**	**<0.0065**	<0.001	<0.00015	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.00086 J	<0.0002	0.00058 J	0.0017	0.00064 J	<0.001	0.0017	0.00716	<0.005	<0.005	0.022	0.0028	0.0038	<0.0002	0.0055
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	0.113	0.057 J	0.028 J	0.088	0.0549	0.05	0.033	0.048
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	**<0.02**	<0.00005	<0.0005	<0.00005	**<0.00519**	<0.00021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00056	<0.00004	<0.00004	<0.00004	<0.00004	0.00018 J	<0.00004	0.134	0.3	0.076	0.1	0.119	0.049	0.072	0.06
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.039**	<0.00005	<0.0005	<0.00005	**<0.00613**	<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	0.00076	**<0.039**	<0.00006	<0.0006	<0.00006	**<0.00377**	<0.00042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.078	<0.00005	<0.0005	<0.00005	<0.00377	<0.00021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000071	<0.000019	<0.000019	<0.000019	0.00058	<0.000049	<0.000019	**0.204**	**0.42**	0.064	**0.36**	**0.191**	**0.15**	**0.15**	**0.17**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.039**	<0.00008	<0.0008	<0.00008	**<0.0392**	<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	**0.177**	<0.00005	<0.0005	<0.00005	<0.0264	<0.00047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.001	0.00099	0.00084	0.00023	0.0022	0.0013	0.00096	0.113	0.2	0.15	0.19	0.12	0.14	0.18	0.15
Acenaphthylene	*1.5*	*4.4*	0.00003 J	0.00005 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.059	0.0017	0.0015 J	0.0015	<0.00283	0.0014	<0.00015	0.0013
Anthracene	*7.3*	*22*	<0.000066	<0.00017	0.00007 J	0.000014	0.000063 J	0.000095 J	0.000059 J	<0.039	0.0058	0.0044	0.0042	0.00589 J	0.021	0.022	0.0081
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00026	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	**<0.039**	<0.00005	<0.0005	<0.00005	<0.00377	<0.0005	<0.00051	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.039**	<0.00005	**<0.0005**	<0.00005	**<0.00377**	<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	**<0.078**	<0.00005	<0.0005	<0.00005	**<0.00613**	<0.0003	<0.0003	<0.00003
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	**<0.039**	<0.00033	<0.001	<0.0001	**<0.0175**	<0.00037	<0.00037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	0.00024	0.000038 J	<0.000021	<0.000021	<0.000021	0.000027 J	<0.039	<0.00005	<0.0005	<0.00005	<0.00377	<0.00021	<0.00021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00057	0.00069	0.00057	0.00019	0.00095	0.00082	0.00042	0.071	**0.14**	0.073	**0.15**	0.0799	0.097	**0.13**	0.081
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	<0.039	<0.00005	<0.0005	<0.00005	<0.00519	<0.0002	<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00056	0.0011	0.00052	0.000065 J	0.00022	0.00029	0.00032	<0.039	0.0007	0.00082 J	0.00061	<0.0033	0.00078 J	0.00095 J	0.00074
Fluorene	*0.98*	*2.9*	<0.00031	0.00047	0.00029	0.00012	0.001	0.00058	0.00032	0.045	0.11	0.06	0.11	0.0661	0.16	0.16	0.076
Naphthalene	*0.49*	*1.5*	<0.0012	<0.00011	<0.00002	<0.00002	0.02	<0.00053	0.00015	**4.75**	**7.7**	**0.96**	**6.1**	**43.9**	**2.7**	**2.9**	**2.8**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	**<0.078**	<0.00005	<0.0005	<0.00005	<0.00519	<0.00024	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.049	<0.00005	<0.0005	<0.00005	<0.00472	<0.00025	<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.039**	<0.00005	<0.0005	<0.00005	**<0.0288**	<0.00079	<0.0008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00014	<0.00045	0.00015	<0.000021	0.0002	0.00018	0.00013	<0.039	0.039	0.03	0.043	0.0217 J	0.032	0.037	0.034
Phenol	*7.3*	*22*	<0.00015	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.039	<0.00005	<0.0005	<0.00005	<0.00189	<0.00035	<0.00035	<0.000035
Pyrene	*0.73*	*2.2*	0.00064	0.0014	0.00072	0.000071 J	0.00029	0.00046	0.00044	<0.039	0.0004	0.00056 J	0.0003	<0.00519	<0.00019	0.0005 J	0.00048
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						0.0087	0.00568	0.00895

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-21C 01/29/2008	MW-21C 01/29/2008 Duplicate	MW-21C 07/15/2008	MW-21C 07/15/2008 Duplicate	MW-21C 02/04/2009	MW-21C 02/04/2009 Duplicate	MW-21C 01/21/2010
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.00052	<0.00052	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	**0.024**	**0.013**	**0.02**	**0.024**	**0.018**	**0.013**	**0.0077**	**0.0082**	<0.00025	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.00047	<0.00047	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.024	0.0079	0.025	0.07	0.045	0.032	0.013	0.031	<0.00025	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.00054	<0.00054	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005
Toluene	*1*	*1*	0.00077 J	0.0011	<0.0002	0.011	0.0031	0.008	<0.001	0.0013	<0.00041	<0.00041	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.022	0.022	0.024	0.091	0.048	0.043	0.02	0.025	<0.00127	<0.00127	<0.00127	<0.00127	<0.001	<0.001	<0.001
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.0076	0.0035	0.0018	0.01	0.0038	0.0074	<0.00004	0.0015	<0.00029	<0.00029	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00019	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00038	<0.0004	<0.00039	<0.00012	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.069	0.072	0.075	**0.23**	0.08	**0.19**	0.094	**0.25**	<0.00038	<0.00038	<0.0004	<0.00039	<0.00007	<0.00007	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.0005	<0.00049	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00024	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.1	0.14	0.11	0.14	0.071	0.16	0.086	0.18	<0.00029	<0.00029	<0.0003	0.00269	<0.00009	<0.00009	0.00041
Acenaphthylene	*1.5*	*4.4*	0.00057	0.00078	0.00092	0.0013	0.00067	<0.000015	0.00092	0.00096	<0.00029	<0.00029	<0.0003	<0.00029	<0.00006	<0.00006	<0.00007
Anthracene	*7.3*	*22*	0.0058	0.0062	0.0075	0.0054	0.0045	0.006	0.0041	0.0044	0.000563	0.000562	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0005	0.000052 J	<0.00005	<0.00005	<0.00005	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00038	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.00037	<0.000037	0.00018 J	0.00015 J	0.000075 J	**0.00888**	0.00052 J	<0.0002	<0.00019	<0.0002	0.00038	<0.00072
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.00021	0.000057	<0.000021	<0.000021	<0.000021	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.067	0.077	0.079	0.086	0.049	0.097	0.055	**0.11**	<0.00029	<0.00029	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	0.00041	0.00058	0.00067	0.0016	0.00066	0.0011	0.00077	0.00085	0.00047 J	0.00046 J	<0.0002	0.00019 J	<0.00007	<0.00007	<0.00007
Fluorene	*0.98*	*2.9*	0.062	0.068	0.08	0.078	0.048	0.085	0.047	0.088	<0.00019	<0.00019	<0.0002	0.00098	<0.00007	<0.00007	<0.00007
Naphthalene	*0.49*	*1.5*	**1.4**	**1.9**	**2**	**5.8**	**0.5**	**0.9**	**1.8**	**2.9**	<0.00038	<0.00038	<0.0004	<0.00039	0.00039	0.00033	<0.0001
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00038	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00024	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00019	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.025	0.026	0.028	0.046	0.019	0.043	0.022	0.044	0.00039 J	0.00039 J	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
Phenol	*7.3*	*22*	<0.000035	0.00096	<0.000035	<0.00035	0.00013 J	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	0.00025	0.00026	0.0003	0.00095 J	0.00036	0.00053	0.00028	0.0005	0.00039 J	0.00039 J	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
Metals																	
Arsenic	*0.01*	*0.01*	0.00788	0.00574	0.00808	0.0053	0.00553	0.00581	0.00595	0.00574							

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-21C 08/01/2013 Duplicate	MW-21C 01/16/2014
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<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	<0.00008	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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	<0.00012	<0.00018
Ethylbenzene	*0.7*	*0.7*	<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	<0.00011	<0.00019
Methylene chloride	*0.005*	*0.005*	<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	<0.00015	<0.00022
Toluene	*1*	*1*	<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	<0.00015	<0.00017
Vinyl chloride	*0.002*	*0.002*											<0.00011	<0.00011			
Xylenes (total)	*10*	*10*	<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	<0.00026	<0.00058
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	0.000105 J	**0.00732 J**	<0.000104
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00654	<0.000292
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	**0.00867 J**	<0.000123
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	**0.00805 J**	<0.0000755
2-Chloronaphthalene	*2*	*5.8*	<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	0.00696 J	<0.0000755
2-Methylnaphthalene	*0.098*	*0.29*	<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	0.00686 J	<0.000157
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	<0.000783	**R**	0.00079 J	**0.00371 J**	<0.000783
4-Nitrophenol	*0.049*	*0.15*	<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	0.00667 J	<0.000528
Acenaphthene	*1.5*	*4.4*	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	0.00726 J	0.000254 J
Acenaphthylene	*1.5*	*4.4*	<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	0.00735 J	<0.0000566
Anthracene	*7.3*	*22*	<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	0.00775 J	0.000243 J
Benzo(a)anthracene	*0.0091*	*0.02*	<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	0.00807 J	0.000129 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	**0.00775 J**	<0.0000755
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	**0.00612 J**	<0.000123
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	**0.00875 J**	<0.000349
Chrysene	*0.91*	*2*	<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	0.00794 J	0.0000812 J
Dibenzofuran	*0.098*	*0.29*	<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	0.00726 J	<0.000258
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	0.00955 J	<0.000104
Fluoranthene	*0.98*	*2.9*	<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	0.00857 J	0.000528 J
Fluorene	*0.98*	*2.9*	<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	0.00746 J	0.000291 J
Naphthalene	*0.49*	*1.5*	<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	0.00669 J	0.000523 J
Nitrobenzene	*0.049*	*0.15*	<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	0.00628 J	<0.000104
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	0.00846 J	<0.0000943
Pentachlorophenol	*0.001*	*0.001*	<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	**0.0126 J**	<0.000575
Phenanthrene	*0.73*	*2.2*	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	0.00777 J	0.00128 J
Phenol	*7.3*	*22*	<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	0.00217 J	<0.0000377
Pyrene	*0.73*	*2.2*	<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	0.00813 J	0.000355 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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*	<0.0002	<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*	<0.0002	<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*	<0.00018	<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*	<0.00019	<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*	<0.00022	<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*	<0.00017	<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*	<0.00058	<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*	<0.000104	<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*	<0.000292	<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*	<0.000123	<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*	<0.0000755	<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	<0.000042	**0.003 J**
2-Chloronaphthalene	*2*	*5.8*	<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*	<0.000187	<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*	<0.000783	<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*	<0.000528	<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*	0.000413 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*	<0.0000566	<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*	0.000518 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	
Benzo(a)anthracene	*0.0091*	*0.02*	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*	<0.0000755	<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*	<0.000123	<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*	<0.000349	<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*	0.000132 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
Dibenzofuran	*0.098*	*0.29*	<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	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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
Fluoranthene	*0.98*	*2.9*	0.000866 J	<0.000068	<0.000068	<0.00001	<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*	0.000705 J	<0.000068	<0.000068	<0.00003	<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
Naphthalene	*0.49*	*1.5*	<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*	<0.000104	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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
Pentachlorophenol	*0.001*	*0.001*	<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*	0.00242 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*	<0.0000377	<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*	0.000508 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.
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 - 2022)
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-22A 01/29/2008	MW-22A 07/14/2008	MW-22A 02/03/2009	MW-22A 01/15/2010	MW-22A 06/29/2010
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	<0.00052	<0.00109	<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	<0.00025	<0.00112	<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	<0.00047	<0.0015	<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	<0.00025	<0.00142	<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	<0.00054	<0.00122	<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	<0.00041	<0.00138	<0.0005	<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	<0.00127	<0.00302	<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	<0.00008	<0.00008	<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	0.000064 J	<0.00029	<0.00028	<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	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	**0.0021 J**	**0.0027 J**	<4.2E-05 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.00019	<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	<0.00039	<0.00038	<0.00012	<0.0001	<0.0001
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	<0.00039	<0.00038	<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	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008
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	<0.00024	<0.00024	<0.00007	0.00007 J	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00013 J	<2.7E-05 J	<0.000027	<0.000027	0.00061 J	<0.000027	<0.000027	0.00019 J	0.000036 J	<0.00029	<0.00028	<0.00009	<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	<0.00029	<0.00028	<0.00006	<0.00007	<0.00007
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	<0.0002	<0.00019	0.0002	<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	<0.0002	<0.00019	0.00015 J	<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	<0.0002	<0.00019	<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	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009
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	**0.0104**	<0.00019	0.00033	0.0013	<0.0012
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	<0.0002	<0.00019	0.00014 J	<0.00007	<0.00007
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	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008
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	<0.0002	<0.00019	0.00017 J	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.000019	**.00024 J**	0.000018 J	<0.00001	<0.00001	<0.000067	<0.00001	<0.00001	0.00032 J	0.000011 J	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
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	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
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	<0.00039	<0.00038	<0.0001	<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	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009
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	<0.00024	<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	<0.0002	<0.00019	<0.00008	0.00008 J	<0.00008
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	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
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	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007
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	<0.0002	<0.00019	0.00013 J	<0.00007	<0.00007
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					

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-22AR 07/20/2020	MW-22AR 01/13/2021	MW-22AR 07/14/2021
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.001	<0.001	<0.0005	<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*	<0.0005	<0.001	<0.001	<0.0005	<0.0002	0.00296	<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	<0.001	<0.001	<0.0005	<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*	<0.0005	<0.0011	<0.0011	<0.0005	0.000549	0.0403	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0013	<0.0013	<0.001	<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*	<0.0005	<0.001	<0.001	<0.0005	0.000307 J	0.00925	<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*	<0.001	<0.0031	<0.0031	<0.0015	0.000834 J	0.0569	<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*	<0.0001	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00005	<0.00005	<0.00005	<0.000304	<0.000307	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000784	<0.0000792	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00072	<0.00005	<0.00005	<0.00059	<0.0000686	0.00603	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00012	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.000814	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00005	<0.00005	<0.00005	<0.000549	<0.000554	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047
Acenaphthene	*1.5*	*4.4*	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	<0.000027	<0.000028	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00005	<0.00005	<0.00005	0.000742	0.000943	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	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	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0001	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.000037	0.00036	0.000095 J
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000022	<0.000021
Dibenzofuran	*0.098*	*0.29*	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	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00005	<0.00005	<0.00005	<0.000866	<0.000109	<0.00002	<0.00002	<0.00002	0.00051	<0.00002	<0.00002	<0.00002	0.000033 J	0.00004 J
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	0.000025 J	<0.00001
Fluorene	*0.98*	*2.9*	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	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	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	<0.00002	<0.000021	<0.00011
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00005	<0.00005	<0.00005	<0.000098	<0.000099	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00005	<0.00005	<0.00005	<0.000598	<0.000604	<0.00008	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079
Phenanthrene	*0.73*	*2.2*	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	<0.000021	<0.000022	<0.000021
Phenol	*7.3*	*22*	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	<0.000035	<0.000036	<0.000035
Pyrene	*0.73*	*2.2*	<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	<0.000019	<0.000019	0.000027 J
Metals																	
Arsenic	*0.01*	*0.01*							0.000896 J	0.000716 J	0.00293	0.00488	0.000481 J	0.00352	0.00822	0.00507	0.00915

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-22AR 01/27/2022	MW-22AR 07/26/2022	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.00052	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0002	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.00025	0.00313 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	0.0042 J	0.000304 J	0.00185	0.00238	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00018	<0.00012	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.00025	0.00262 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	0.0088	0.0022	0.0255	0.0275	0.00034 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00022	<0.00015	<0.00015	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.00041	<0.00138	<0.0005	<0.0005	0.00053 J	<0.0005	<0.001	<0.001	0.0033 J	0.00133	0.00584	0.00752	<0.0002
Vinyl chloride	*0.002*	*0.002*														<0.00011	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.00127	0.00339 J	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	0.0057 J	0.00409	0.0362	0.0383	0.00082 J
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.00011	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.0003	<0.0003	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.00014 J	<0.00005	<0.000304	0.00107	<0.00031	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.0002	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.00013	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000784	<0.0000792	<0.00008	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.0004	<0.0004	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.00075	<0.0004	<0.0004	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00044	<0.00063	0.000414 J	0.00721	0.00663	0.00056
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000814	<0.000822	<0.00083	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00025	<0.00025	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000549	<0.000554	<0.00056	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.0019	0.0121	0.182	0.022	0.00016 J	0.0093	0.00022	0.003	0.068	0.18	0.0244	0.0762	0.123	0.034
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.0003	0.00192	0.00034	<0.00007	0.00012 J	<0.00007	<0.00005	0.00046	0.0018	0.000886	0.000641	0.00132	<0.000015
Anthracene	*7.3*	*22*	0.000032 J	0.00061	0.000948	0.00575	0.00071	<0.00007	0.00031	<0.00007	0.00011 J	0.0017	0.0067	<0.00146	0.00292	0.00404	0.00039
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.000099 J	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.00013	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00006 J	<0.000037	0.00172 J	<0.0002	0.00053	0.00022	<0.00061	<0.0002	0.00041	<0.00051	<0.0001	<0.000363	0.000672	<0.00037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	0.00006 J	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00051	0.00363	0.0674	0.0051	0.00026	0.0019	<0.00008	0.00068	0.0079	0.046	0.00784	0.0238	0.0409	0.00066
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.00066 J	<0.0002	0.00018 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000873	<0.000109	<0.00011	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	0.0012	0.00029 J	0.00661	0.0011	0.00011 J	0.00061	<0.00007	0.00019 J	0.0022	0.0065	0.00187	0.00304	0.00282	0.00098
Fluorene	*0.98*	*2.9*	<0.00003	<0.0006	0.00199	0.0395	0.0018	<0.00007	0.0018	<0.00007	0.00049	0.0035	0.019	0.00521	0.0198	0.0355	0.002
Naphthalene	*0.49*	*1.5*	0.00014	0.0024	0.000691	0.00435	0.00017 J	0.00012 J	0.00036	<0.0001	<0.00005	0.0032	0.032	0.13 J	**0.832**	**0.977**	0.0038
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.00011	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.00025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00029	<0.00005	<0.000098	<0.000099	<0.0001	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000598	<0.000604	<0.00061	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.0016	<0.0002	0.000764	<0.00007	0.00015 J	<0.00007	<0.00007	<0.00005	0.00026	0.0027	<0.000562	0.00053	<0.00006	0.00081
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0001 J	<0.0000392	<0.0000396	<0.00004	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	0.00075	<0.0002	0.00239	0.00047	<0.00007	0.00027	<0.00007	0.00012 J	0.001	0.0033	0.000876	0.00123	0.0023	0.00062
Metals																	
Arsenic	*0.01*	*0.01*	0.0015 J	0.0036													**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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-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
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	<0.005	<0.005	**<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	**0.017**	**0.012**	**0.0095 J**	**0.0072 J**	**<0.01**
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	0.001 J		<0.005	<0.005	<0.01
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	0.13	0.074	0.12	0.13	0.1
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	**<0.0092**	<0.005	**<0.013**
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0023 J	0.0012 J	<0.005	<0.005	<0.01
Vinyl chloride	*0.002*	*0.002*														**<0.005**	**<0.01**
Xylenes (total)	*10*	*10*	<0.0003	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.073	0.044	0.069 J	0.059 J	0.048 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	<0.0001	<0.0001	**<0.005**	<0.0001	<0.00005
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	<0.00008	<0.00008	<0.004	<0.00008	0.0035
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	<0.00009	<0.00009	**<0.0045**	<0.00009	<0.00005
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	<0.00007	<0.00007	**<0.0035**	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	0.00011 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.005	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.000067 J	0.000071 J	<0.000019	<0.000019	<0.000043	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00032	**2.6**	**0.75**	**2.7**	**1.2**	**1.3**
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	**<0.004**	<0.00008	<0.00008
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	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	0.044	0.047	0.022	<0.000027	0.018	0.0024	0.000066 J	0.00071	0.017	<0.00019	**3.4**	1.2	**3.4**	**1.6**	**2**
Acenaphthylene	*1.5*	*4.4*	0.00096	0.00041	<0.000015	<0.000015	0.00018	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.017	0.01	0.03	0.012	0.015
Anthracene	*7.3*	*22*	0.00062	0.0013	0.00048	<0.000014	0.00042	<0.000014	0.000056 J	<0.000014	0.00021	<0.00014	1.2	0.36	1.2	0.4	1.7
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	**0.31**	**0.12**	**0.3**	**0.12**	**0.15**
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	**0.072**	**0.029**	**0.093**	**0.04**	**0.044**
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	<0.00009	<0.00009	**<0.0045**	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000038	<0.000037	<0.000037	<0.000037	0.000075 J	0.000064 J	0.000072 J	0.000039 J	<0.000037	<0.000037	0.002	<0.0011	**<0.01**	0.0014	0.0019
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.28	0.093	0.27	0.099	0.21
Dibenzofuran	*0.098*	*0.29*	0.00049	0.0011	0.00029	<0.00002	<0.00029	0.000057 J	0.000055 J	<0.00002	0.00012	<0.0002	**3.5**	**1.2**	**3.6**	**1.6**	**2.7**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	0.000035 J	<0.00002	<0.00002	<0.00002	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005
Fluoranthene	*0.98*	*2.9*	0.0011	0.0028	0.0011	<0.00001	0.0017	0.0005	0.00015	0.00035	0.0022	<0.00025	**3**	0.77	**3**	**0.99**	**1.8**
Fluorene	*0.98*	*2.9*	0.0017	0.0046	0.0025	<0.00003	0.0026	0.00036	0.00029	0.000082 J	0.00086	<0.00014	**2.5**	0.82	**2.6**	0.88	**2**
Naphthalene	*0.49*	*1.5*	0.0008	0.00044	0.00017	<0.00002	<0.00013	<0.00002	<0.00002	<0.00002	0.00013	0.0014	**9.9**	**3.9**	**8.9**	**8.5**	**7.5**
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	<0.0045	<0.00009	<0.00005
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	<0.00009	<0.00009	<0.0045	<0.00009	<0.00005
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	<0.00008	<0.00008	**<0.004**	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	0.00018	0.00039	<0.000021	<0.000021	<0.00013	<0.000021	0.000026 J	<0.000021	<0.000021	<0.00049	**8.8**	**2.7**	**8.2**	**3.6**	**3.8**
Phenol	*7.3*	*22*	<0.000036	<0.000035	<0.000035	0.00069	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.00077	0.0015	0.00046	<0.000019	0.00082	0.00023	0.000065 J	0.00015	0.00095	<0.00018	**1.6**	0.59	**1.9**	0.6	**1.1**
Metals																	
Arsenic	*0.01*	*0.01*	**0.0159**	**0.0301**	**0.0535**	0.000559 J	**0.016**	0.00882	<0.00201	0.00843	**0.0261**	0.00357					

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-23C 01/13/2022	MW-23C 07/12/2022	MW-25A 01/28/2008	MW-25A 07/14/2008	MW-25A 02/03/2009
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	**<0.01**	<0.0005	<0.00014	<0.0014	<0.0002	<0.0014	<0.001	<0.0002	<0.0002	<0.005	<0.001	<0.0002	<0.00245	<0.00052	<0.0005
Benzene	*0.005*	*0.005*	**<0.01**	**0.0071**	**0.0111**	**0.0138**	**0.0126**	**0.00596 J**	0.0027 J	0.0014	0.0021	<0.005	**0.0055**	**0.0058**	<0.00257	<0.00025	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.01	<0.0005	0.000279 J	0.00146 J	<0.00018	<0.0012	<0.0015	<0.0003	<0.0003	<0.0075	<0.0015	<0.0003	<0.00239	<0.00047	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.1	0.17	0.151	0.185	0.165	0.15	0.028	0.021	0.032	0.041	0.083	0.17	<0.00203	<0.00025	0.0029 J
Methylene chloride	*0.005*	*0.005*	**<0.013**	<0.001	<0.00015	<0.0015	<0.00022	<0.0015	<0.005	<0.001	<0.001	**<0.025**	<0.005	<0.001	<0.00195	<0.00054	<0.0005
Toluene	*1*	*1*	<0.01	0.0025 J	0.00433	0.00819 J	0.00728	0.00378 J	<0.001	0.0022	0.0029	0.01 J	0.0072	0.019	<0.00274	<0.00041	0.00074 J
Vinyl chloride	*0.002*	*0.002*	**<0.01**	<0.0005	<0.00011	<0.0011	<0.00018	<0.0011		<0.0002							
Xylenes (total)	*10*	*10*	0.039 J	0.11	0.0884	0.0988	0.0959	0.0915	0.025	0.017	0.024	0.03	0.065	0.12	<0.00581	<0.00127	0.0047 J
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0005	<0.001	<0.001	**<0.00534**	**<0.0259**	**<0.022**	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	**<0.0021**	<0.00008	<0.00009	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.0014 J	0.028	<0.00282	<0.015	<0.0731	0.202	<0.047	0.022	0.0069	0.015	0.047	0.03	<0.00029	<0.00033	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.0005	<0.001	<0.00118	**<0.00631**	**<0.0307**	**<0.026**	<0.00058	<0.000058	<0.000058	<0.00058	<0.00058	**<0.0058**	<0.00019	<0.00022	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0006	<0.0012	<0.000727	**<0.00388**	**<0.0189**	**<0.016**	<0.00042	<0.000042	<0.000042	<0.00042	<0.00042	**<0.0042**	<0.00019	<0.00022	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.0005	<0.001	<0.000727	<0.00388	<0.0189	<0.016	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.0021	<0.00038	<0.00044	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	**0.65**	**28**	**1.38**	**1.16**	**4.52**	**18.3**	**0.12**	0.041	0.067	0.089	**0.2**	**0.82**	<0.00038	<0.00044	0.024
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0008	<0.0016	**<0.00755**	**<0.0403**	**<0.196**	**<0.166**	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.002	<0.00019	<0.00022	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.0005	<0.001	<0.00509	<0.0272	**<0.132**	**<0.112**	<0.00047	<0.000047	<0.000047	<0.00047	<0.00047	<0.0047	<0.00024	<0.00028	<0.00007
Acenaphthene	*1.5*	*4.4*	0.89	**39**	**1.78**	**1.58**	**7.79**	**25.9**	0.21	0.06	0.095	0.11	0.16	0.81	0.00038 J	<0.00033	0.034
Acenaphthylene	*1.5*	*4.4*	0.0068	0.45	<0.000545	<0.00291	<0.0142	0.336	0.0029	0.0014	0.0013	0.0013	0.0038	0.012	<0.00029	<0.00033	0.0004
Anthracene	*7.3*	*22*	0.25	**16**	0.641	0.31	1.49	**8.74**	0.035	0.016	0.027	0.017	0.098	0.22	0.00067	<0.00022	0.0005
Benzo(a)anthracene	*0.0091*	*0.02*	**0.046**	**4.8**	**0.104**	**0.0905**	**0.5**	**2.63**	0.008	0.0053	0.0083	0.0029	0.0016	**0.057**	<0.00019	<0.00022	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.016**	**1.2**	**0.0283**	**0.0235 J**	**0.119**	**0.73**	**0.0022**	**0.0017**	**0.0026**	**0.0008 J**	**0.0003 J**	**0.016**	<0.00019	**<0.00022**	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0005	**<0.001**	**<0.00118**	**<0.00631**	**<0.0307**	**<0.026**	<0.0003	<0.00003	<0.00003	<0.0003	<0.0003	**<0.003**	<0.00038	<0.00044	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.001	**0.042**	<0.00336	**<0.018**	**<0.0873**	**<0.074**	<0.00037	0.00015 J	<0.00014	<0.00037	<0.00037	<0.0037	0.00021 J	<0.00022	0.00033
Chrysene	*0.91*	*2*	0.044	**4.3**	0.103	0.0819	0.476	**2.24**	0.0072	0.004	0.0074	0.0031	0.0018	0.051	<0.00019	<0.00022	<0.00007
Dibenzofuran	*0.098*	*0.29*	**0.85**	**46**	**1.82**	**1.48**	**5.45**	**25.7**	**0.17**	0.051	0.092	**0.11**	**0.17**	**0.79**	0.000601	<0.00033	0.018
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0005	<0.001	<0.001	<0.00534	<0.0259	<0.022	<0.0002	<0.00002	<0.00002	<0.0002	<0.0022	<0.002	<0.00019	<0.00022	<0.00007
Fluoranthene	*0.98*	*2.9*	0.48	**34**	**1.09**	0.812	**4.42**	**20.4**	0.068	0.029	0.068	0.035	0.024	0.45	0.000556	<0.00022	0.00057
Fluorene	*0.98*	*2.9*	0.57	**32**	**1.19**	0.874	**3.78**	**20.5**	0.12	0.041	0.072	0.062	0.086	0.5	0.00033 J	<0.00022	0.0049
Naphthalene	*0.49*	*1.5*	**7.8**	**83**	**12.2**	**13.2**	**43.8**	**57.9**	**0.66**	**0.92**	**0.63**	0.18	**2.1**	**9.9**	0.0011	<0.00044	0.45
Nitrobenzene	*0.049*	*0.15*	<0.0005	<0.001	<0.001	<0.00534	<0.0259	<0.022	<0.00024	<0.000024	<0.000024	<0.00024	<0.00024	<0.0024	<0.00038	<0.00044	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0005	<0.001	<0.000909	<0.00485	<0.0236	<0.02	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025	<0.0025	<0.00024	<0.00028	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.0005	<0.001	**<0.00555**	**<0.0296**	**<0.144**	**<0.122**	<0.00079	0.00065	0.00031	<0.00079	<0.00079	**<0.0079**	<0.00019	<0.00022	<0.00008
Phenanthrene	*0.73*	*2.2*	**1.9**	**130**	**3.48**	**2.8**	**18.2**	**59.4**	0.25	0.098	0.23	0.12	0.047	**2**	0.000715	<0.00022	0.0034
Phenol	*7.3*	*22*	0.0011 J	<0.001	<0.000364	<0.00194	<0.00943	<0.008	0.0079	0.0098	<0.00036	<0.00035	<0.00097	<0.0035	<0.00019	<0.00022	<0.00007
Pyrene	*0.73*	*2.2*	0.35	**21**	**0.754**	0.515	**3.04**	**13.3**	0.043	0.018	0.041	0.022	0.017	0.3	0.000484	<0.00022	0.00036
Metals																	
Arsenic	*0.01*	*0.01*							0.00333	0.00196 J	0.00172 J	0.00229	0.00281	0.00255			

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.
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-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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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
Benzene	*0.005*	*0.005*	<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	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	0.000497 J	0.000121 J	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<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
Toluene	*1*	*1*	<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
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
Xylenes (total)	*10*	*10*	<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	<0.0003	<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	<0.000106	<0.00011	<0.000105	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000298	<0.00031	<0.000295	<0.000301	<0.00004	<0.000041	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	0.00066	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000124	<0.000126	<0.000058	<0.000059	<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	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.000042	<0.000043	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000061	<0.0000673	<0.00007	<0.0000667	<0.000068	0.00014	<0.000019	0.000052 J	<0.000051
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	0.00026	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000798	<0.00083	<0.00079	<0.000806	<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	<0.000538	<0.00056	<0.000533	<0.000544	<0.000047	<0.000048	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0014	0.0012	0.00054	0.00052	0.0042	0.00053	<0.00005	0.000171 J	0.000345 J	0.00356	0.0000912 J	0.062	0.054	<0.000027	0.000036 J
Acenaphthylene	*1.5*	*4.4*	<0.00007	0.00034	<0.00007	<0.00007	0.000053 J	<0.00005	<0.00005	<0.0000577	<0.00006	0.000542	<0.0000583	0.00044	0.00053	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000481	<0.00005	<0.0000476	<0.0000485	0.00057	0.00068	<0.000014	0.000015 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.00005	<0.000051	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	0.00012 J	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000124	<0.000126	<0.00003	<0.000031	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0002	<0.00056	<0.0002	0.00046	<0.00023	<0.0001	<0.0001	<0.000356	<0.00037	<0.000352	<0.000359	<0.00008	<0.000038	0.0001 J	<0.000078
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00008	0.00034	<0.00008	<0.00008	0.0013	0.0005	<0.00005	<0.0000769	<0.00008	<0.0000762	<0.0000777	0.00017	0.00011	0.000033 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000105	<0.000107	<0.00002	<0.00002	<0.00002	0.00002 J
Fluoranthene	*0.98*	*2.9*	0.000084 J	0.000092 J	<0.00007	<0.00007	0.00014 J	<0.00005	<0.00005	<0.0000673	<0.00007	0.00106	<0.000068	0.0062	0.0066	<0.00001	0.000015 J
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00007	<0.00007	0.00016 J	0.00011 J	<0.00005	<0.0000673	<0.00007	<0.0000667	<0.000068	0.026	0.022	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0001	0.00024	0.00018 J	0.00027	<0.00005	0.00017 J	<0.00038	<0.000692	<0.00008	<0.000217	<0.000817	<0.00029	0.0002	0.0006	<0.00029
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000105	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962	<0.0001	<0.0000952	<0.0000971	<0.000025	<0.000026	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	0.00033	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000587	<0.00061	<0.000581	<0.000592	<0.000079	<0.000081	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577	<0.00006	<0.0000571	<0.0000583	0.00015	0.00015	<0.000021	0.000029 J
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00005 J	<0.00005	<0.0000385	<0.00004	<0.0000381	<0.0000388	<0.000035	<0.000036	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00047	0.00015 J	<0.00007	<0.00007	0.0009	<0.00005	<0.00005	<0.000106	0.000124 J	0.000585	0.00018 J	0.0033	0.0049	<0.000019	0.000027 J
Metals																	
Arsenic	*0.01*	*0.01*												**0.0171**	0.00714	0.00171 J	0.00216

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	**<0.025**	<0.0005	<0.005	**<0.01**	<0.005	<0.0028	<0.0007
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.11**	**0.11 J**	**0.092**	**0.076**	**0.039 J**	**0.03 J**	**0.0304**	**0.0283**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00094	<0.025	<0.0005	<0.005	<0.01	<0.005	0.00653 J	<0.0006
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.545	0.47	0.5	0.37	0.34	0.33	0.324	0.173
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0011	**<0.025**	<0.0005	**<0.0065**	**<0.013**	**<0.01**	<0.003	<0.00075
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.556	0.52	0.53	0.4	0.31	0.31	0.291	0.204
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.0002	<0.0002								**<0.005**	**<0.01**	**<0.005**	**<0.0022**	<0.00055
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	1.43	1.2	1.2	1	0.98	0.96	1.03	0.575
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**<0.8**	0.0001 J	<0.0001	<0.00005	<0.00005	<0.00005	**<0.106**	**<0.011**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	**<2.9**	0.00008 J	<0.00008	0.0051	<0.00005	<0.00005	<0.298	<0.031
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<1.9**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.125**	**<0.013**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<1.9**	0.00007 J	<0.00007	<0.00006	<0.00006	<0.00006	**<0.0769**	**<0.008**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**<3.8**	0.0001 J	<0.0001	<0.00005	<0.00005	<0.00005	<0.0769	<0.008
2-Methylnaphthalene	*0.098*	*0.29*	0.000057 J	<0.000019	0.00015	<0.000019	<0.000019	<0.000019	<0.00011	**193**	**0.76**	**1.4**	**1.3**	**0.92**	**0.9**	**0.8**	**1.32**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<1.9**	0.00008 J	<0.00008	<0.00008	<0.00008	<0.00008	**<0.798**	**<0.083**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	**<2.4**	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005	**<0.538**	**<0.056**
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.000078 J	<0.000027	<0.000027	<0.000027	<0.000027	**97.5**	0.21	0.55	0.28	0.26	0.21	0.261 J	0.381
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	**<2.9**	0.0027 J	0.0041	0.0029	0.0021	0.0021	<0.0577	<0.006
Anthracene	*7.3*	*22*	<0.000014	0.000089 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	**42.8**	0.035	0.19	0.031	0.021	0.019	<0.0481	0.0377 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00012	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	**9.37**	0.0027 J	**0.047**	0.0014	0.00054	0.00086	**<0.0769**	<0.008
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**2.3**	**0.0014 J**	**0.013**	**0.00043**	0.00017 J	0.0002	**<0.0769**	**<0.008**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<3.8**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.125**	**<0.013**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	0.000054 J	<0.000087	0.000064 J	0.00005 J	<0.000037	**<1.9**	0.0002 J	<0.0002	<0.002	<0.0001	0.00012 J	**<0.356**	**<0.037**
Chrysene	*0.91*	*2*	<0.000021	0.000097 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**8.38**	0.0025 J	0.048	0.0012	0.00062	0.00086	<0.0769	<0.008
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	**102**	**0.22**	**0.52**	**0.29**	**0.26**	**0.22**	**0.174 J**	**0.353**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.000028	<0.00002	<0.00002	<0.00002	<1.9	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.106	<0.011
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00045	0.000075 J	<0.000019	<0.00001	<0.00001	<0.00001	**84.1**	0.041	0.32	0.02	0.011	0.0088	<0.0673	0.0149 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.00009 J	<0.00003	<0.00003	<0.00003	<0.00003	**75.5**	0.12	0.34	0.14	0.13	0.096	0.102 J	0.163
Naphthalene	*0.49*	*1.5*	0.00023	0.0001	0.001	<0.00002	<0.00002	<0.00002	<0.001	**750**	**9.8**	**18**	**19**	**15**	**13**	**10.7**	**19.7**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	**<3.8**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.106**	<0.011
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	**<2.4**	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	<0.0962	<0.01
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<1.9**	0.00008 J	<0.00008	<0.00005	<0.00005	<0.00005	**<0.587**	**<0.061**
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00017	0.00016	<0.000021	<0.000021	<0.000021	<0.000021	**214**	0.19	0.7	0.18	0.14	0.12	0.147 J	0.187
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.000069 J	<0.000035	<0.000035	<0.000035	<0.000035	<1.9	0.00007 J	<0.00007	0.026	0.003	0.0045	<0.0385	0.12
Pyrene	*0.73*	*2.2*	<0.000019	0.00035	0.000057 J	<0.000019	0.00015	<0.000019	<0.000019	**49.5**	0.022	0.24	0.0092	0.0047	0.0063	<0.106	<0.011
Metals																	
Arsenic	*0.01*	*0.01*	0.00285	0.00216	0.0019 J	0.00318	0.00248	0.00185 J	<0.00163								

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	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	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-26A 01/29/2008	MW-26A 07/14/2008
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.00052	<0.00052
Benzene	*0.005*	*0.005*	**0.022**	**0.0119**	0.00089 J	0.00047 J	0.0013	<0.0002	0.0013	0.0017	0.0016	0.0016	<0.002	<0.0002	<0.002	<0.00025	<0.00025
Chlorobenzene	*0.1*	*0.1*	0.00034 J	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.003	<0.00047	<0.00047
Ethylbenzene	*0.7*	*0.7*	0.32	0.298	0.042	0.043	0.036	0.038	0.035	0.033	0.029	0.03	0.023	0.0026	0.031	<0.00025	<0.00025
Methylene chloride	*0.005*	*0.005*	<0.00022	<0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.001	**<0.01**	<0.00054	<0.00054
Toluene	*1*	*1*	0.261	0.207	0.015	0.015	0.013	0.013	0.011	0.01	0.0081	0.0046	0.0054 J	<0.0002	<0.002	<0.00041	<0.00041
Vinyl chloride	*0.002*	*0.002*	<0.00018	<0.00055	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002						
Xylenes (total)	*10*	*10*	1.01	1.07	0.29	0.32	0.28	0.27	0.25	0.22	0.19	0.21	0.16	0.014	0.17	<0.00127	<0.00127
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0105**	<0.000107	<0.000021	<0.00021	<0.00021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	**<0.0021**	<0.00008	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	0.372	<0.000301	0.00061	0.0033	0.0075	<0.00004	0.0075	0.0062	0.018	<0.00004	0.0033	0.00063	<0.004	<0.0003	<0.0003
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0124**	<0.000126	<0.000058	<0.00058	<0.00058	<0.000058	<0.00058	<0.000058	<0.00058	<0.000058	<0.00058	<0.000058	**<0.0058**	<0.0002	<0.0002
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00762**	<0.0000777	<0.000042	<0.00042	<0.00042	<0.000042	<0.00042	<0.000042	<0.00042	<0.000042	<0.00042	<0.000042	**<0.0042**	<0.0002	<0.0002
2-Chloronaphthalene	*2*	*5.8*	<0.00762	<0.0000777	<0.000021	<0.00021	<0.00021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021	<0.0021	<0.0004	<0.0004
2-Methylnaphthalene	*0.098*	*0.29*	**1.46**	**0.943**	**0.48**	**0.69**	**0.71**	**0.4**	**0.54**	**0.96**	**0.51**	**0.29**	**0.3**	**0.29**	**<0.36**	<0.0004	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.079**	<0.000806	<0.00002	<0.0002	<0.0002	<0.00002	<0.0002	<0.00002	0.00065 J	<0.00002	<0.0002	<0.00002	<0.002	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	**<0.0533**	<0.000544	<0.000047	<0.00047	<0.00047	<0.000047	<0.00047	<0.000047	<0.00047	<0.000047	<0.00047	<0.000047	<0.0047	<0.00025	<0.00025
Acenaphthene	*1.5*	*4.4*	0.416	0.284	0.17	0.21	0.23	0.13	0.2	0.36	0.099	0.081	0.1	0.085	<0.14	0.0519	0.0173
Acenaphthylene	*1.5*	*4.4*	<0.00571	0.00316	0.0017	0.0023	0.0028	0.0012	0.002	0.0025	0.0016	0.00089	0.0014	0.00083	<0.0015	<0.0003	<0.0003
Anthracene	*7.3*	*22*	0.0372 J	0.0209	0.015	0.019	0.024	0.011	0.016	0.027	0.012	0.0068	0.014	0.0072	<0.014	0.0018	0.00047 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00762	0.000813	0.00079	0.0011	0.0012	0.00065	0.0013	0.00057	0.0013	0.00066	0.0014	0.00065	<0.005	<0.0002	<0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00762**	**0.000435 J**	**0.00028**	<0.0002	**0.00042 J**	**0.00021**	**0.00037 J**	0.00019	**0.00043 J**	**0.00022**	**0.00055 J**	0.00019	**<0.002**	<0.0002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0124**	**0.0016**	<0.00003	<0.0003	<0.0003	<0.00003	<0.0003	<0.00003	<0.0003	<0.00003	<0.0003	<0.00003	**<0.003**	<0.0004	<0.0004
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.0352**	<0.000674	0.00006 J	<0.00037	<0.00037	<0.000037	<0.00037	0.00066	<0.00037	<0.0001	<0.00037	<0.000037	<0.0037	**0.0214**	<0.0002
Chrysene	*0.91*	*2*	<0.00762	0.000957	0.00077	0.0013	0.0014	0.00074	0.0014	0.00056	0.00099 J	0.00061	0.0013	0.0007	<0.0021	<0.0002	<0.0002
Dibenzofuran	*0.098*	*0.29*	<0.00762	**0.276**	**0.18**	**0.2**	**0.21**	**0.14**	**0.19**	**0.34**	0.094	0.08	**0.1**	0.082	**<0.12**	0.00492	0.00123
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0105	<0.000107	<0.00002	<0.0002	<0.0002	<0.00002	<0.0002	0.00068	<0.0002	<0.00002	<0.0002	<0.00002	<0.002	<0.0002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.018 J	0.0127	0.0092	0.014	0.015	0.0079	0.014	0.0058	0.01	0.0065	0.013	0.0075	<0.011	0.00244	0.000523
Fluorene	*0.98*	*2.9*	<0.00667	0.129	0.086	0.091	0.11	0.062	0.081	0.15	0.051	0.043	0.057	0.044	<0.063	0.00235	0.000742
Naphthalene	*0.49*	*1.5*	**19**	**10.7**	**3**	**5.9**	**5.6**	**3.5**	**4.2**	**7.5**	**2.4**	0.4	0.1	**2.4**	**<2.6**	0.00078	<0.0004
Nitrobenzene	*0.049*	*0.15*	<0.0105	<0.000107	<0.000024	<0.00024	<0.00024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024	<0.0024	<0.0004	<0.0004
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00952	<0.0000971	<0.000025	<0.00025	<0.00025	<0.000025	<0.00025	<0.000025	<0.00025	<0.000025	<0.00025	<0.000025	<0.0025	<0.00025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	**<0.0581**	<0.000592	<0.000079	<0.00079	<0.00079	<0.000079	<0.00079	**0.17**	<0.00079	<0.000079	<0.00079	<0.000079	**<0.0079**	<0.0002	<0.0002
Phenanthrene	*0.73*	*2.2*	0.222	0.14	0.089	0.15	0.16	0.077	0.12	0.18	0.073	0.057	0.081	0.062	<0.096	<0.0002	<0.0002
Phenol	*7.3*	*22*	<0.00381	0.00177	<0.000035	<0.00035	<0.00035	<0.000035	<0.00035	<0.000035	0.008	0.000071 J	<0.00035	<0.000035	<0.0035	<0.0002	<0.0002
Pyrene	*0.73*	*2.2*	<0.0105	0.00769	0.0062	0.011	0.01	0.0052	0.0085	0.0049	0.006	0.0037	0.0082	0.0048	<0.0079	0.00126	0.00021 J
Metals																	
Arsenic	*0.01*	*0.01*			0.00283	0.003	0.00305	0.00359	0.00487	0.00391	0.00433	0.00628	0.00577	**0.0184**	**0.0151**		

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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*	<0.0005	<0.0005	<0.0005	<0.0005	**0.031**	**0.042**	0.004 J	<0.001	<0.0005	0.00118	**0.0097**	0.00391	0.000434 J	0.000189 J	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001			<0.001	<0.0005	0.000176 J	0.000297 J		<0.00018	0.000205 J	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011			<0.0011	<0.0005	<0.00011	0.000815 J		<0.00019	<0.00011	<0.0003
Methylene chloride	*0.005*	*0.005*	<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*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001			<0.001	<0.0005	<0.00015	<0.000291		<0.00017	<0.00015	<0.0002
Vinyl chloride	*0.002*	*0.002*														<0.00011	
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.001	<0.001	0.0045 J			<0.0031	<0.0015	<0.00026	0.00239 J		<0.00058	<0.00026	<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	**<0.00529**	<0.000104		<0.00011	<0.000107	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00054	<0.00008	<0.00008	<0.00008	<0.00005			<0.00005	<0.00005	<0.0149	<0.000292		<0.00031	<0.000301	0.000056 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005			<0.00005	0.0001 J	**<0.00625**	<0.000123		<0.00013	<0.000126	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006			<0.00006	<0.00006	**<0.00385**	<0.0000755		<0.00008	<0.0000777	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005			<0.00005	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0024	<0.00007	<0.00007	0.00031	0.00039			<0.00005	0.000056 J	<0.00337	0.000414 J		<0.00007	<0.000068	0.000053 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008			<0.00008	<0.00008	**<0.0399**	<0.000783		<0.00083	<0.000806	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005	<0.00005	<0.0269	<0.000528		<0.00056	<0.000544	<0.000047
Acenaphthene	*1.5*	*4.4*	0.015	0.0097	0.005	0.0039	0.12			0.0095	0.0087	0.0481	0.141		0.0699	0.0663	0.0073
Acenaphthylene	*1.5*	*4.4*	<0.00006	0.00014 J	<0.00007	<0.00007	0.00047			0.00013 J	<0.00005	<0.00288	<0.0000566		<0.00006	0.000486	0.00007 J
Anthracene	*7.3*	*22*	0.00079	<0.00007	0.0002	0.000099 J	0.0026			0.00025	0.00027	<0.0024	0.00228		0.00136	0.00141	0.00012
Benzo(a)anthracene	*0.0091*	*0.02*	0.00016 J	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005			<0.00005	<0.00005	**<0.00385**	<0.0000755		<0.00008	<0.0000777	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005			<0.00005	<0.00005	**<0.00625**	<0.000123		<0.00013	<0.000126	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00042	<0.00026	<0.00045	0.00043	<0.00031			<0.0001	0.0002 J	**<0.0178**	<0.000349		<0.00037	<0.000359	0.000076 J
Chrysene	*0.91*	*2*	0.00018 J	<0.00007	0.0003	<0.00007	<0.00005			<0.00005	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.0026	0.00078	0.00033	0.00038	0.021			0.0014	0.00084	0.00416 J	0.0151		<0.00008	0.00154	<0.00016
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005	<0.00005	<0.00529	<0.000104		<0.00011	<0.000107	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00091	0.0003	0.0004	0.00036	0.0048			0.00049	0.00092	<0.00337	0.0062		0.00306	0.00465	0.00084
Fluorene	*0.98*	*2.9*	0.0016	0.00028	0.00034	0.00017 J	0.0057			0.0006	0.00041	<0.00337	0.00611		0.0031	0.00245	0.00044
Naphthalene	*0.49*	*1.5*	0.0074	<0.00051	<0.0001	0.0043	0.0019			0.0001 J	0.00027	<0.00385	0.0066		<0.000924	0.000419 J	<0.00014
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005			<0.00005	<0.00005	<0.00529	<0.000104		<0.00011	0.00394	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00009	0.00023			<0.00005	<0.00005	<0.00481	<0.0000943		<0.0001	<0.0000971	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005			<0.00005	<0.00005	**<0.0293**	<0.000575		<0.00061	<0.000592	<0.000079
Phenanthrene	*0.73*	*2.2*	0.003	0.00021	0.00017 J	0.00011 J	0.00029			<0.00005	<0.00005	<0.00288	<0.0000566		0.000147 J	0.000155 J	<0.000038
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005	<0.00005	<0.00192	<0.0000377		<0.00004	<0.0000388	<0.000035
Pyrene	*0.73*	*2.2*	0.00069	0.000092 J	0.0002 J	0.00013 J	0.0031			0.00024	0.00051	<0.00529	0.00322		0.00159	0.0022	0.00043
Metals																	
Arsenic	*0.01*	*0.01*															**0.032**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-26A 01/20/2022	MW-26A 07/20/2022	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
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	<0.00245	<0.00109	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00257	<0.00112	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	0.00056 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00239	<0.0015	<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	<0.00203	<0.00142	<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	<0.00195	<0.00122	<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	<0.00274	<0.00138	<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	<0.00581	<0.00302	<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	<0.00013	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.00008	<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	0.0002	<0.00004	<0.00004	<0.00004	<0.00043	<0.0003	<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	<0.00029	<0.0002	<0.000059	<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	<0.00029	<0.0002	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00007 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00057	<0.0004	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.00009	0.000059 J	<0.000042	<0.000019	<0.000087	0.000068 J	<0.000019	<0.000019	<0.00057	<0.0004	<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	<0.00029	<0.0002	<0.00002	<0.00002	<0.00002
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	<0.00036	<0.00025	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000028	0.019	0.042	0.028	<0.00017	0.0092	0.011	0.001	0.0011	0.00011	<0.00043	<0.0003	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.000082 J	0.00027	0.00013	<0.000015	0.000077 J	0.000095 J	<0.000015	<0.000015	<0.000015	<0.00043	<0.0003	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00015	0.00025	0.00087	0.00047	<0.000087	<0.00014	<0.00017	<0.000014	<0.000014	<0.000014	0.00087	<0.0002	<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	<0.00005	<0.00005	<0.00005	<0.00005	<0.00029	<0.0002	<0.000051	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000026	<0.00002	<0.00002	<0.00002	<0.00002	**<0.00029**	<0.0002	<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	<0.00057	<0.0004	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000038	<0.000037	<0.000037	<0.00019	<0.000037	0.000068 J	<0.000037	<0.000037	<0.000037	<0.000037	0.00044 J	0.00026 J	0.0002	<0.000037	0.0005
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000041	<0.000021	<0.000021	<0.000021	<0.000021	<0.00029	<0.0002	0.00005 J	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.000086 J	0.0001	0.0005	0.00021	<0.000044	<0.00003	<0.00012	<0.00002	<0.00002	<0.00002	0.00044 J	<0.0003	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000052 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	<0.0002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0011	0.0014	0.0044	0.0029	0.00073	<0.0017	0.0011	0.00069	0.00028	0.00021	0.000756	<0.0002	0.000058 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.00051	0.00084	0.0039	0.0017	<0.00029	0.00061	<0.0013	0.00021	0.000058 J	<0.00003	<0.00029	<0.0002	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00049	<0.00032	<0.00017	<0.000049	<0.00079	0.00091	<0.00002	<0.00002	0.0018	<0.0004	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.001	<0.000024	<0.000024	<0.000024	<0.000024	<0.00057	<0.0004	<0.000024	<0.000024	<0.000024
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	<0.00036	<0.00025	<0.000025	<0.000025	<0.000025
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	<0.00029	<0.0002	<0.00008	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.00012	0.000083 J	<0.00003	<0.000021	<0.000074	<0.000021	<0.000021	<0.000021	0.000746	<0.0002	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00012 J	<0.000035	<0.000035	<0.000035	<0.00029	<0.0002	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00042	0.00094	0.0025	0.0015	0.00035	<0.00094	0.00056	0.00035	0.00015	0.000099 J	0.00062	<0.0002	0.000078 J	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	**0.0427**	**0.0491**	**0.166**	**0.0933**	**0.0217**	**0.0695**	**0.0513**	**0.0453**	**0.0374**	**0.0658**			0.000978 J	<0.0004	0.00207

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<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
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<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
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<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
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<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
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<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
Toluene	*1*	*1*	<0.0002	<0.0002	<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
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<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
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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000295
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00038	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762
2-Methylnaphthalene	*0.098*	*0.29*	0.00034	<0.000019	0.00014	<0.000019	<0.000019	<0.00038	<0.00042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000777
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533
Acenaphthene	*1.5*	*4.4*	0.00011	<0.000027	0.00056	<0.000027	<0.000027	<0.00029	<0.00032	0.00026	0.00015 J	0.00028	0.00019 J	0.00011 J	<0.00005	<0.00005	<0.0000762
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571
Anthracene	*7.3*	*22*	0.000036 J	<0.000014	0.0015	<0.000014	<0.000014	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000476
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	0.00053	<0.00005	<0.00005	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000052 J	0.00014	<0.00002	<0.00002	<0.00019	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0002	0.000062 J	<0.000067	<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
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.0005	<0.000021	<0.000021	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762
Dibenzofuran	*0.098*	*0.29*	0.00014	<0.00002	0.00081	<0.00002	<0.00002	<0.00029	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000034 J	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000055	<0.000105
Fluoranthene	*0.98*	*2.9*	0.000024 J	<0.00001	0.0052	0.000029 J	<0.00001	<0.00019	<0.00021	<0.00007	0.00015 J	<0.00007	<0.00007	0.00011 J	<0.00005	<0.00005	<0.0000667
Fluorene	*0.98*	*2.9*	0.000074 J	<0.00003	0.0016	<0.00003	<0.00003	<0.00019	<0.00021	<0.00007	<0.00007	0.00025	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667
Naphthalene	*0.49*	*1.5*	0.0026	0.000053 J	0.00015	<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
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581
Phenanthrene	*0.73*	*2.2*	0.00013	<0.000021	0.0095	<0.000021	<0.000021	<0.00019	<0.00021	<0.00007	0.00014 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.0033	0.000049 J	<0.000019	<0.00019	<0.00021	<0.00007	0.0001 J	<0.00007	<0.00007	0.000064 J	<0.00005	<0.00005	<0.000105
Metals																	
Arsenic	*0.01*	*0.01*	0.000498 J	0.000859 J	0.00191 J	<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-27C 08/08/2013	MW-27C 01/24/2014	MW-27C 07/25/2014	MW-27C 01/31/2018	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-28A 01/29/2008
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	<0.00052
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	<0.00025
Chlorobenzene	*0.1*	*0.1*	<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	<0.00047
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	<0.00025
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	<0.00054
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	<0.00041
Vinyl chloride	*0.002*	*0.002*	<0.00011		<0.00011												
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	<0.00127
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000104	<0.000105	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000292	<0.000297	<0.000304	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000123	<0.000124	<0.000127	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000755	<0.0000766	<0.0000784	0.00052	<0.000042	0.00057	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002
2-Chloronaphthalene	*2*	*5.8*	<0.0000755	<0.0000766	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004
2-Methylnaphthalene	*0.098*	*0.29*	<0.000066	<0.000067	<0.0000686	0.00041	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000783	<0.000794	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000528	<0.000536	<0.000549	0.00031 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025
Acenaphthene	*1.5*	*4.4*	<0.0000755	<0.0000766	<0.0000784	0.0012	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0003
Acenaphthylene	*1.5*	*4.4*	<0.0000566	<0.0000574	<0.0000588	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003
Anthracene	*7.3*	*22*	<0.0000472	0.000431 J	<0.000049	0.000065 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00005 J	0.000611
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000755	<0.0000766	<0.0000784	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000755	<0.0000766	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000123	<0.000124	<0.000127	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000349	<0.000354	<0.000363	<0.000073	0.000057 J	0.00042	<0.000037	0.000092 J	<0.000037	<0.000037	<0.00019	<0.000037	<0.000037	0.000052 J	0.0003 J
Chrysene	*0.91*	*2*	<0.0000755	<0.0000766	<0.0000784	<0.000021	<0.000021	0.000054 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002
Dibenzofuran	*0.098*	*0.29*	<0.0000755	<0.0000766	<0.0000784	0.00038	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J	0.00032 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000143 J	<0.000851	<0.000108	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000081	<0.00002	<0.00002	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.000114 J	0.0000881 J	<0.0000686	0.000085 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000033 J	<0.0002
Fluorene	*0.98*	*2.9*	<0.000066	<0.000067	<0.0000686	0.00085	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000054 J	<0.0002
Naphthalene	*0.49*	*1.5*	0.000353 J	<0.000953	<0.0000784	<0.00043	<0.00002	<0.00002	<0.00002	0.000066 J	0.000055 J	<0.00002	<0.00013	<0.00032	<0.00002	<0.000063	0.000699
Nitrobenzene	*0.049*	*0.15*	<0.000104	<0.000105	<0.000108	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000943	<0.0000957	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.000575	<0.000584	<0.000598	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002
Phenanthrene	*0.73*	*2.2*	0.0000908 J	<0.000406	<0.0000588	0.00027	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00023	0.00046 J
Phenol	*7.3*	*22*	<0.0000377	<0.0000383	<0.0000392	<0.000035	<0.000035	0.000053 J	<0.000035	0.00023	<0.000035	<0.000035	0.00011 J	<0.000066	<0.000035	<0.000035	<0.0002
Pyrene	*0.73*	*2.2*	<0.000104	<0.000105	<0.000108	0.000044 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000023 J	0.00041 J
Metals																	
Arsenic	*0.01*	*0.01*				0.00261	<0.0004	0.00212	0.000786 J	0.000428 J	0.000623 J	0.00264	0.00221	<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-28A 07/14/2008	MW-28A 02/03/2009	MW-28A 01/13/2010	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
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
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	<0.0002	<0.00008	<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	<0.00012	<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	<0.00019	<0.00011	<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
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
Vinyl chloride	*0.002*	*0.002*												<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	<0.00058	<0.00026	<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	<0.00105	<0.000104	<0.000105	<0.000107	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00295	<0.000292	<0.000295	<0.000301	<0.00004	<0.00004	0.012
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00124	<0.000123	<0.000124	<0.000126	<0.000059	<0.000059	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00042	<0.00007	<0.00007	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0079**	<0.000783	<0.00079	<0.000806	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00533	<0.000528	<0.000533	<0.000544	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	<0.00032	<0.00009	<0.00009	<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
Acenaphthylene	*1.5*	*4.4*	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000571	<0.0000566	<0.0000571	<0.0000583	<0.000015	<0.000015	<0.00015
Anthracene	*7.3*	*22*	<0.00021	<0.00007	<0.00007	<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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00021	0.00013 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000051	<0.000051	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00021**	0.00011 J	<0.00008	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00124**	<0.000123	<0.000124	<0.000126	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00021	0.0037	<0.00022	<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
Chrysene	*0.91*	*2*	<0.00021	0.00013 J	<0.00007	<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
Dibenzofuran	*0.098*	*0.29*	<0.00032	<0.00008	<0.00008	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00021	0.00016 J	<0.00007	<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
Fluoranthene	*0.98*	*2.9*	<0.00021	0.00012 J	<0.00007	<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
Fluorene	*0.98*	*2.9*	<0.00021	<0.00007	<0.00007	<0.00007	0.0003	<0.00005	<0.00005	<0.00005	<0.000667	<0.000066	<0.0000667	<0.000068	<0.00003	<0.00003	<0.0003
Naphthalene	*0.49*	*1.5*	<0.00042	0.00017 J	<0.0001	<0.0001	0.0023	<0.00005	<0.00093	0.0013	<0.000762	<0.000173	<0.0004	<0.0000777	<0.00002	<0.00002	0.024
Nitrobenzene	*0.049*	*0.15*	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00105	<0.000104	<0.000105	<0.000107	<0.000024	<0.000024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000952	<0.0000943	<0.0000952	<0.0000971	<0.000025	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.00021	<0.00008	<0.00008	0.00032	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00581**	<0.000575	<0.000581	<0.000592	<0.00008	<0.00008	<0.00079
Phenanthrene	*0.73*	*2.2*	<0.00021	<0.00007	<0.00007	<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
Phenol	*7.3*	*22*	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000381	<0.0000377	<0.0000381	<0.0000388	<0.000035	<0.000035	0.018
Pyrene	*0.73*	*2.2*	<0.00021	0.00016 J	<0.00007	<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
Metals																	
Arsenic	*0.01*	*0.01*													0.0076	0.0053	**0.0177**

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.
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-28A 01/14/2019	MW-28A 07/16/2019	MW-28A 01/16/2020	MW-28A 07/23/2020	MW-28A 01/20/2021	MW-28A 07/21/2021	MW-28A 08/26/2021	MW-28A 01/27/2022	MW-28A 07/20/2022	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
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	<0.00052	<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	<0.00025	<0.00025	<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	<0.00047	<0.00047	<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	<0.00025	<0.00025	<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	<0.00054	<0.00054	<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	<0.00041	<0.00041	0.0026 J	0.0013 J	<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	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	0.000034 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00008	<0.00009	<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	**1.5**	<0.00004	<0.0004	<0.00004	<0.00029	0.00114 J	<0.00008	0.0002	<0.00008	0.000086 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00019	<0.00022	<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	<0.00042	<0.000042	<0.00019	<0.00022	<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	<0.00021	<0.000021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000055	0.0002	<0.000019	<0.000019	<0.000019	0.054	<0.000019	<0.00019	<0.000019	<0.00038	<0.00044	0.000097 J	0.00024	0.000077 J	0.000079 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00019	<0.00022	<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	<0.00047	<0.000047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.000092 J	0.000082 J	<0.00014	0.000038 J	<0.000027	0.016	<0.000027	<0.00027	<0.000027	<0.00029	<0.00033	<0.00009	0.00018 J	0.00033	<0.00009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.00029	<0.00033	<0.00006	<0.00007	<0.00007	<0.00007
Anthracene	*7.3*	*22*	<0.000014	0.000036 J	<0.00013	<0.000014	<0.000014	0.0044	<0.000014	<0.00014	<0.000014	0.00059	<0.00022	<0.00007	<0.00007	0.00014 J	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.000055 J	0.000073 J	<0.00005	<0.00005	0.00054 J	<0.00005	<0.0005	<0.00005	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000095 J	0.000057 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00019	**<0.00022**	<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	<0.0003	<0.00003	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000061 J	<0.00023	0.00009 J	<0.000037	<0.0001	<0.000037	0.00021	<0.00037	0.000067 J	0.00049 J	<0.00022	0.0033	<0.00046	<0.0012	0.00063
Chrysene	*0.91*	*2*	<0.000021	0.0001	0.000065 J	<0.000021	<0.000021	0.00047 J	<0.000021	<0.00021	<0.000021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00011	0.000084 J	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	0.00044 J	<0.00033	<0.00008	0.00018 J	<0.00008	<0.00008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000032 J	<0.00002	0.00022	0.015	<0.00002	<0.0002	<0.00002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00012	0.0003	<0.00001	<0.00001	0.0039	<0.00001	<0.0001	<0.00001	0.000497	<0.00022	<0.00007	<0.00007	0.00012 J	<0.00007
Fluorene	*0.98*	*2.9*	0.000056 J	0.000053 J	<0.00014	<0.00003	<0.00003	0.012	<0.00003	<0.0003	<0.00003	0.00022 J	<0.00022	<0.00007	0.00016 J	0.00033	<0.00007
Naphthalene	*0.49*	*1.5*	<0.0024	0.0013	<0.0006	0.00015 J	<0.000091	**0.94**	<0.00002	<0.0002	0.000083 J	0.00234	0.00196	0.00057	0.0014	0.00035	0.00029
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00024	<0.00028	<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	<0.00079	<0.000079	0.00056 J	<0.00022	<0.00008	<0.00008	0.00034	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000049 J	0.00048	<0.000021	<0.000021	0.018	<0.000021	<0.00021	<0.000021	0.000624	<0.00022	0.00013 J	0.00033	<0.00007	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000073	<0.000035	<0.000035	<0.000035	0.22	<0.000035	0.0019 J	<0.000035	0.00865	0.00648	0.00063	0.0027	0.00075	0.0014
Pyrene	*0.73*	*2.2*	0.000065 J	0.00016	0.00021	<0.000019	<0.000019	0.0022	<0.000019	<0.00019	<0.000019	0.00041 J	<0.00022	<0.00007	<0.00007	0.00007 J	<0.00007
Metals																	
Arsenic	*0.01*	*0.01*	**0.0116**	0.0092	0.00664	<0.0004	**0.0116**	0.00528	0.00315	0.00102 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-28C 07/19/2011	MW-28C 02/16/2012	MW-28C 07/17/2012	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
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
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
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
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
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
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
Vinyl chloride	*0.002*	*0.002*							<0.00011			<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000101	<0.000104	<0.00011	<0.000107	<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	<0.000284	<0.000292	<0.00031	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000078
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000119	<0.000123	<0.00013	<0.000126	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.0000734	<0.0000755	<0.00008	<0.0000777	<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	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	<0.00005	0.00011 J	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.000761	<0.000783	<0.00083	<0.000806	<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	<0.000514	<0.000528	<0.00056	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<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
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.000055	<0.0000566	<0.00006	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	0.00013	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<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	<0.000119	<0.000123	<0.00013	<0.000126	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00053	<0.00013	<0.0001	<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
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00019 J	<0.00005	<0.00005	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00005	<0.000101	<0.000104	<0.00011	<0.000107	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00025	<0.000048
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.00005	<0.00005	<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
Fluorene	*0.98*	*2.9*	<0.00005	<0.00005	<0.00005	<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
Naphthalene	*0.49*	*1.5*	<0.000091	<0.00031	0.00064	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
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000917	<0.0000943	<0.0001	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.00056	<0.000575	<0.00061	<0.000592	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.00005	<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
Phenol	*7.3*	*22*	0.00054	<0.00005	<0.00005	<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
Pyrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.00005	<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
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	**.00112 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-28C 07/13/2021	MW-28C 01/21/2022	MW-28C 07/20/2022	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<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
Benzene	*0.005*	*0.005*	<0.0002	<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
Chlorobenzene	*0.1*	*0.1*	<0.0003	<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
Ethylbenzene	*0.7*	*0.7*	<0.0003	<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
Methylene chloride	*0.005*	*0.005*	<0.001	<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
Toluene	*1*	*1*	<0.0002	<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
Vinyl chloride	*0.002*	*0.002*														<0.00011	
Xylenes (total)	*10*	*10*	<0.0003	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<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
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<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
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<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
Acenaphthene	*1.5*	*4.4*	<0.000027	<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
Acenaphthylene	*1.5*	*4.4*	<0.000015	<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
Anthracene	*7.3*	*22*	<0.000014	<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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00012	<0.000037	0.000091 J	**<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
Chrysene	*0.91*	*2*	<0.000021	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<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
Fluoranthene	*0.98*	*2.9*	<0.00001	<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
Fluorene	*0.98*	*2.9*	<0.00003	<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
Naphthalene	*0.49*	*1.5*	<0.000075	0.00004 J	<0.00002	**25**	**16.2**	**16**	**3.5**	**11**	**31**	**21**	0.00044	0.0036	0.406	<0.00297	0.0087
Nitrobenzene	*0.049*	*0.15*	<0.000024	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<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
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<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
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	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
Phenol	*7.3*	*22*	<0.000035	<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
Pyrene	*0.73*	*2.2*	<0.000019	<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
Metals																	
Arsenic	*0.01*	*0.01*	0.00065 J	0.000758 J	0.00137 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-32AR 07/24/2014	MW-32AR 01/28/2018	MW-32AR 03/27/2018	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-33A 01/29/2008	MW-33A 07/14/2008	MW-33A 02/03/2009
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	<0.00052	<0.00109	<0.0005
Benzene	*0.005*	*0.005*	**0.0404**	<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
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	<0.00047	<0.0015	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.0208	<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
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	<0.00054	<0.00122	<0.0005
Toluene	*1*	*1*	0.000849 J	<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
Vinyl chloride	*0.002*	*0.002*	<0.00011						<0.0002								
Xylenes (total)	*10*	*10*	0.0336	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.00008	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.0722	<0.00004	<0.00004	<0.00004	<0.00004	0.00013 J	<0.00004	<0.00004	<0.00004	<0.00004	0.00044	<0.00004	<0.00004	<0.0005	<0.00029	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00033	<0.00019	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00033	<0.00019	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00067	<0.00038	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	**0.206**	0.000079 J	0.0068	<0.000019	<0.000019	<0.000019	<0.000028	0.000088 J	<0.000019	0.00042	<0.000019	0.00024	<0.00067	<0.00038	0.00066
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00033	<0.00019	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00042	<0.00024	<0.00007
Acenaphthene	*1.5*	*4.4*	0.111	0.0013	0.0043	0.002	0.0001	<0.000027	0.0014	0.00028 J	<0.000027	0.00071	<0.000027	0.00046	0.0133	0.0124	0.013
Acenaphthylene	*1.5*	*4.4*	0.00226	0.000054 J	0.000054 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0005	<0.00029	<0.00006
Anthracene	*7.3*	*22*	0.00332	0.000082 J	0.00021	0.000064 J	0.00002 J	<0.000014	<0.000014	0.00008 J	<0.000086	0.00034	<0.000014	0.00012	<0.00033	0.00024 J	0.0002 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.000218 J	0.00006 J	<0.00005	<0.00005	<0.00005	0.000054 J	<0.00005	0.000088 J	<0.00005	0.00013	<0.00005	0.000079 J	<0.00033	<0.00019	0.0002 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000755	0.000027 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000081 J	<0.00002	<0.00002	0.000041 J	<0.00002	<0.00002	**<0.00033**	<0.00019	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	0.000452 J	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000621	0.00011 J	<0.000037	0.00014 J	<0.000044	0.000074 J	0.000043 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00137 J	<0.00019	0.00033
Chrysene	*0.91*	*2*	0.00016 J	0.000058 J	<0.000021	0.000037 J	<0.000021	<0.000021	0.000042 J	0.000026 J	<0.000021	0.00011	<0.000021	0.00006 J	<0.00033	<0.00019	0.00012 J
Dibenzofuran	*0.098*	*0.29*	0.05	<0.000053	0.0024	0.00007 J	<0.00002	<0.00002	<0.00002	0.00011 J	<0.00002	0.00034	<0.00002	0.00021	0.00074	0.000628	0.00078
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000104	<0.00002	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002	<0.00032	0.000026 J	0.000052 J	<0.00002	0.00055 J	<0.00019	<0.00007
Fluoranthene	*0.98*	*2.9*	0.00656	0.00048	0.00023	0.00031	0.000051 J	<0.00001	<0.00029	0.00019 J	<0.00001	0.00071	<0.00001	0.00023	0.00141	0.00154	0.0022
Fluorene	*0.98*	*2.9*	0.0516	0.00012	0.00093	0.000058 J	<0.00003	<0.00003	0.000038 J	0.00011 J	<0.00003	0.00037	<0.00003	0.00017	0.0013	0.000939	0.00067
Naphthalene	*0.49*	*1.5*	**3.83**	<0.00058	0.026	0.000043 J	0.000067 J	<0.00002	<0.00014	0.00026 J	<0.00002	0.0019	<0.00002	0.0012	0.00167	0.0047	0.0028
Nitrobenzene	*0.049*	*0.15*	<0.000104	0.00035	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00042	<0.00024	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00033	<0.00019	<0.00008
Phenanthrene	*0.73*	*2.2*	0.0111	0.00022	0.0013	<0.000021	0.000034 J	<0.000021	<0.000032	0.00023 J	<0.000021	0.0011	<0.000021	0.00042	<0.00033	0.00028 J	0.00037
Phenol	*7.3*	*22*	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00023	<0.000035	<0.000035	<0.00033	<0.00019	<0.00007
Pyrene	*0.73*	*2.2*	0.00474	0.00031	0.00018	0.00049	0.000036 J	0.00045	0.00042	0.00021 J	<0.000019	0.00072	<0.000019	0.0013	0.0019	0.00167	0.0024
Metals																	
Arsenic	*0.01*	*0.01*		0.00294	**0.0228**	**0.0441**	**0.0316**	**0.0628**	0.0077	**0.104**	0.00873	**0.0352**	0.00576	**0.169**			

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 02/03/2009 Duplicate	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<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
Benzene	*0.005*	*0.005*	0.00074 J	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**
Chlorobenzene	*0.1*	*0.1*	<0.0005	<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
Ethylbenzene	*0.7*	*0.7*	<0.0005	<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
Methylene chloride	*0.005*	*0.005*	<0.0005	<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
Toluene	*1*	*1*	<0.0005	<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
Vinyl chloride	*0.002*	*0.002*												<0.0005			<0.00011
Xylenes (total)	*10*	*10*	<0.001	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	**<0.00519**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<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**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	**<0.00613**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000762	**<0.00377**
2-Chloronaphthalene	*2*	*5.8*	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00377
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	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**
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	<0.00008	<0.00079	<0.00079	**<0.0392**
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000533	<0.000533	<0.0264
Acenaphthene	*1.5*	*4.4*	<0.00009	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
Acenaphthylene	*1.5*	*4.4*	<0.00006	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
Anthracene	*7.3*	*22*	<0.00007	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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<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**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	**<0.00613**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00035	<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**
Chrysene	*0.91*	*2*	<0.00007	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
Dibenzofuran	*0.098*	*0.29*	<0.00008	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00519
Fluoranthene	*0.98*	*2.9*	<0.00007	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
Fluorene	*0.98*	*2.9*	<0.00007	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
Naphthalene	*0.49*	*1.5*	<0.0001	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**
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00519
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000952	<0.00472
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000581	<0.000581	**<0.0288**
Phenanthrene	*0.73*	*2.2*	<0.00007	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
Phenol	*7.3*	*22*	<0.00007	<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
Pyrene	*0.73*	*2.2*	<0.00007	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
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 08/07/2013 Duplicate	MW-33A 01/23/2014	MW-33A 01/23/2014 Duplicate	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
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
Benzene	*0.005*	*0.005*	**0.174**	**0.223**	**0.223**	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
Chlorobenzene	*0.1*	*0.1*	0.000189 J	0.000214 J	<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
Ethylbenzene	*0.7*	*0.7*	0.117	0.135	0.134	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
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
Toluene	*1*	*1*	0.00672	0.23	0.229	<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
Vinyl chloride	*0.002*	*0.002*	<0.00011					<0.0002	<0.0002	<0.0002								
Xylenes (total)	*10*	*10*	0.186	0.188	0.19	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
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.00519**	**<0.104**	**<0.106**	<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
2,4-Dimethylphenol	*0.49*	*1.5*	**0.801**	**1.44**	**1.54**	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
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.00613**	**<0.123**	**<0.125**	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00377**	**<0.0755**	**<0.0769**	<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
2-Chloronaphthalene	*2*	*5.8*	<0.00377	<0.0755	<0.0769	<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
2-Methylnaphthalene	*0.098*	*0.29*	**0.16**	**0.263 J**	**0.27 J**	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	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0392**	**<0.783**	**<0.798**	<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
4-Nitrophenol	*0.049*	*0.15*	<0.0264	**<0.528**	**<0.538**	<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
Acenaphthene	*1.5*	*4.4*	0.151	0.288 J	0.217 J	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	
Acenaphthylene	*1.5*	*4.4*	<0.00283	<0.0566	<0.0577	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	<0.000015
Anthracene	*7.3*	*22*	0.00487 J	<0.0472	<0.0481	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	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00377	**<0.0755**	**<0.0769**	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	
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00377**	**<0.0755**	**<0.0769**	<0.0000784	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.00613**	**<0.123**	**<0.125**	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.0175**	**<0.349**	**<0.356**	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	
Chrysene	*0.91*	*2*	<0.00377	<0.0755	<0.0769	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	
Dibenzofuran	*0.098*	*0.29*	0.0717	**0.148 J**	**0.108 J**	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	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00519	<0.104	<0.106	<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	
Fluoranthene	*0.98*	*2.9*	0.00435 J	0.0703 J	<0.0673	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	
Fluorene	*0.98*	*2.9*	0.0623	0.145 J	0.0939 J	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	
Naphthalene	*0.49*	*1.5*	**4.07**	**5.82**	**5.3**	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	
Nitrobenzene	*0.049*	*0.15*	<0.00519	**<0.104**	**<0.106**	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	
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00472	<0.0943	<0.0962	<0.000098	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	
Pentachlorophenol	*0.001*	*0.001*	**<0.0288**	**<0.575**	**<0.587**	<0.000598	<0.000598	<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*	0.0236	0.18 J	0.135 J	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	
Phenol	*7.3*	*22*	<0.00189	0.203 J	0.108 J	<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	
Pyrene	*0.73*	*2.2*	<0.00519	<0.104	<0.106	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	
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**	

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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-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	<0.00052
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	**0.0287**
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	<0.00047
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	0.0903
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	<0.00054
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	0.0832
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	0.25
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	<0.000021	**<0.002**
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	<0.00004	<0.0059
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058			<0.000058	<0.00006	<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*	<0.000042	<0.000042			<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.004**
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	<0.000021	<0.0079
2-Methylnaphthalene	*0.098*	*0.29*	<0.000063	<0.000095			<0.000019	<0.00002	<0.000019	<0.000064	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	**0.437**
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	<0.00002	**<0.004**
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	<0.000047	<0.005
Acenaphthene	*1.5*	*4.4*	0.00073 J	0.0011 J			<0.000027	<0.000028	<0.000027	<0.00045	<0.000027 J	0.00028 J	0.00016 J	0.00037 J	<0.000027	<0.000027	0.365
Acenaphthylene	*1.5*	*4.4*	0.000049 J	0.000038 J			<0.000015	<0.000015	<0.000015	0.000021 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0059
Anthracene	*7.3*	*22*	0.000057 J	0.000044 J			<0.000014	<0.000014	<0.000014	<0.000025	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.0712
Benzo(a)anthracene	*0.0091*	*0.02*	0.00012	0.00012			0.00011	0.00014	<0.00005	0.000065 J	0.00013	0.00013	0.0002	0.0002	<0.00005	0.00011	**0.017**
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000066 J	0.000072 J			<0.00002	<0.000021	<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*	<0.00003	<0.00003			<0.00003	<0.000031	<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*	<0.000037	<0.000037			<0.000037	<0.000038	<0.000037	<0.000037	0.00011 J	0.00011 J	<0.000037	<0.000037	<0.000037	<0.000037	**0.0076**
Chrysene	*0.91*	*2*	0.000078 J	0.000093 J			<0.000021	<0.000022	<0.000021	0.000029	0.000084	0.000081	0.00016	0.00012	<0.000021	0.000098 J	0.0128
Dibenzofuran	*0.098*	*0.29*	0.000096 J	0.000067 J			<0.00002	<0.000021	<0.00002	<0.00009	<0.00002	<0.00002	0.00014	<0.00002	<0.00002	<0.00002	**0.412**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002			<0.00002	<0.000021	<0.00002	<0.000029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.004
Fluoranthene	*0.98*	*2.9*	0.00035 J	0.00057 J			0.00067	0.00097	<0.00001	0.000075 J	0.0011	0.0011	0.0022 J	0.0016 J	0.000051 J	0.00047	0.14
Fluorene	*0.98*	*2.9*	0.000059 J	0.000072 J			<0.00003	<0.000031	<0.00003	<0.00013	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.228
Naphthalene	*0.49*	*1.5*	<0.0005	<0.00066			<0.00002	<0.000021	<0.0002	<0.00014	<0.0002	<0.00017	<0.00002	<0.00011	0.00013 J	0.00024 J	**5.87**
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	<0.000024	<0.0079
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	<0.000025	<0.005
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	<0.000079	**<0.004**
Phenanthrene	*0.73*	*2.2*	<0.000056	<0.000046			<0.000021	<0.000022	<0.000021	<0.000047	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.431
Phenol	*7.3*	*22*	<0.000035	<0.000035			<0.000035	<0.000036	0.000087 J	<0.000035	<0.000035	0.000064 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.004
Pyrene	*0.73*	*2.2*	<0.00019	0.00052 J			0.0011	0.0015	<0.000019	<0.000019	0.0022	0.0022	0.0038 J	0.0028 J	0.000034 J	0.0013	0.0853
Metals																	
Arsenic	*0.01*	*0.01*	0.0081	0.00755	0.00119 J	0.00125 J			0.00313	0.0035	0.00464	0.00386	0.00621	0.00599	**0.0109 J**	0.00493 J	

Notes:

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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-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-35A 01/29/2008	MW-35A 07/14/2008	MW-35A 02/03/2009
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	<0.00052	<0.00052	<0.0005
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	<0.00025	<0.00025	<0.0005
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	<0.00047	<0.00047	<0.0005
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	<0.00025	<0.00025	<0.0005
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	<0.00054	<0.00054	<0.0005
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	<0.00041	<0.00041	<0.0005
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	<0.00127	<0.00127	<0.001
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	<0.00008	0.00012 J	<0.0001
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	<0.0003	<0.00028	<0.00008
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	<0.0002	<0.00019	<0.00009
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	<0.0002	<0.00019	<0.00007
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	<0.0004	<0.00038	<0.00012
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	<0.0004	<0.00038	<0.00007
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	<0.0002	<0.00019	<0.00008
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	<0.00025	<0.00024	<0.00007
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	0.0176	0.00656	0.0035
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	<0.0003	<0.00028	<0.00006
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	0.000542	0.00023 J	<0.00007
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	<0.0002	<0.00019	<0.00007
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	<0.0002	<0.00019	<0.00008
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	<0.0004	<0.00038	<0.00009
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	0.00453	<0.00019	0.00024
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	<0.0002	<0.00019	<0.00007
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	0.00819	0.00319	0.0014
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	0.00046 J	<0.00019	<0.00007
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	0.0014	0.00105	0.00034
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	0.00328	0.00161	0.00062
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	0.0257	0.000704	<0.0001
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	<0.0004	<0.00038	<0.00009
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	<0.00025	<0.00024	<0.00009
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	<0.0002	<0.00019	<0.00008
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	0.00046 J	<0.00019	<0.00007
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	<0.0002	<0.00019	<0.00007
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	0.000967	0.000547	0.00025
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			

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
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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-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*	<0.0005	<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*	<0.0005	<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*	<0.0005	<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*	0.0015 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*	<0.0005	<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*	<0.0005	<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*	<0.001	<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*	<0.0001	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*	<0.00008	<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*	<0.00009	<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*	<0.00007	<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*	<0.0001	<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*	0.00061	<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*	<0.00008	<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*	<0.00007	<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*	0.017	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*	0.00011 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*	0.00043	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*	<0.00007	<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*	<0.00008	<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*	<0.00009	<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*	<0.00045	<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*	<0.00007	<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
Dibenzofuran	*0.098*	*0.29*	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	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
Fluoranthene	*0.98*	*2.9*	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*	0.0028	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
Naphthalene	*0.49*	*1.5*	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*	<0.00009	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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
Pentachlorophenol	*0.001*	*0.001*	<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*	0.00039	<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*	<0.00007	<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*	0.00092	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.
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 - 2022)
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-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	MW-35B 02/15/2012	MW-35B 07/18/2012
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00109	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.001	<0.005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	0.00044 J	<0.0002	<0.0002	**0.0648**	**0.0281**	**0.062**	**0.064**	**0.068**	**0.064**	**0.056**	**0.077**	**0.064**
Chlorobenzene	*0.1*	*0.1*	<0.0003	0.00058 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0015	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.001	<0.005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	0.0006 J	<0.0003	<0.0003	0.176	0.113	0.2	0.2	0.21	0.22	0.17	0.19	0.19
Methylene chloride	*0.005*	*0.005*	<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**	<0.0013	**0.02 J**
Toluene	*1*	*1*	<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	0.0042 J	<0.005
Vinyl chloride	*0.002*	*0.002*	<0.0002														
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	0.00032 J	<0.0003	<0.0003	0.135	0.0787	0.15	0.15 J	0.17	0.16	0.12	0.13	0.13 J
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<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	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.000092 J	<0.000029	0.00048	0.0007	0.00008 J	**0.464**	0.0561	**0.4**	**0.47**	**0.36**	**0.41**	**0.48**	**0.18**	**0.26**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<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	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	0.0031	0.0018	0.0038	0.0062	0.000095 J	0.217	0.116	0.17	0.22	0.2	0.19	0.2	0.08	0.15
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	0.000058	0.00027	<0.000015	<0.00029	<0.0003	0.00088	0.0013	0.0011	0.0012	0.00097	0.00063 J	0.00078
Anthracene	*7.3*	*22*	<0.000014	0.000099 J	0.000057 J	0.00013	0.00028	<0.000014	0.0129	0.00842	0.0056	0.008	0.015	0.014	0.016	0.0048 J	0.0064
Benzo(a)anthracene	*0.0091*	*0.02*	<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	0.00011 J	0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<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	**0.0198**	<0.0002	0.00052	<0.00029	<0.00097	0.00041	<0.00056	<0.00088	0.00018 J
Chrysene	*0.91*	*2*	<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	0.0001 J	0.00023
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00072	0.00018	0.00098	0.0029	0.00019	**0.198**	**0.104**	**0.16**	**0.23**	**0.22**	**0.2**	**0.21**	0.097	**0.14**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000024	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00028	0.000079 J	0.00025	0.00055	0.00011	0.00698	0.00624	0.0031	0.0053	0.006	0.0065	0.0056	0.0026 J	0.0039
Fluorene	*0.98*	*2.9*	0.000065 J	0.0006	<0.00012	0.00071	0.0021	0.00021	0.0912	0.0685	0.063	0.092	0.11	0.09	0.097	0.048	0.069
Naphthalene	*0.49*	*1.5*	<0.0002	0.0012	<0.00035	0.011	0.00034	0.000093 J	**9.3**	0.365	**12**	**14**	**11**	**4.8**	**12**	**7.4**	**7.6**
Nitrobenzene	*0.049*	*0.15*	<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	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<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	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000053	0.00006 J	<0.000021	<0.000021	0.1	0.0782	0.061	0.086	0.12	0.078	0.12	0.052	0.066
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000053	<0.000035	<0.000035	<0.00019	0.00059	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00014 J
Pyrene	*0.73*	*2.2*	<0.000019	0.00024	<0.000019	0.00025	0.00049	0.00013	0.00411	0.0026	0.0017	0.0027	0.0025	0.0032	0.0027	0.0016 J	0.0019
Metals																	
Arsenic	*0.01*	*0.01*	**0.0219**	**0.0302**	**0.0277**	**0.0284**	**0.0285**	**0.0921**									

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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*	<0.0007	<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*	**0.0662**	**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*	<0.0006	<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*	0.225	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*	<0.00075	**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*	0.00437 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*	0.153	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*	**<0.105**	**<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*	<0.295	<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*	**<0.124**	**<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*	**<0.0762**	**<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*	<0.0762	<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*	**0.295 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*	**<0.79**	**<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*	**<0.533**	<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*	0.173 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*	<0.0571	<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*	<0.0476	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*	**<0.0762**	<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*	**<0.0762**	**<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*	**<0.124**	**<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*	**<0.352**	**<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*	<0.0762	<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
Dibenzofuran	*0.098*	*0.29*	**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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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
Fluoranthene	*0.98*	*2.9*	<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*	<0.0667	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
Naphthalene	*0.49*	*1.5*	**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*	**<0.105**	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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
Pentachlorophenol	*0.001*	*0.001*	**<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*	0.0936 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*	<0.0381	<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*	<0.105	<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-35B 07/20/2022	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	MW-36A 07/28/2014	MW-36A 01/25/2018
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	**0.089**	<0.00025	<0.00025	<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	<0.00047	<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
Ethylbenzene	*0.7*	*0.7*	0.0034	<0.00025	<0.00025	<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	<0.00054	<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
Toluene	*1*	*1*	0.0017	<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
Vinyl chloride	*0.002*	*0.002*								<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002
Xylenes (total)	*10*	*10*	0.013	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000107	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.000301	<0.000041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000126	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.0000777	<0.000043
2-Chloronaphthalene	*2*	*5.8*	<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	<0.0000777	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.075	<0.0004	<0.00039	<0.00007	0.0003	0.00023	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066	<0.000177	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.000806	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000528	<0.000528	<0.000544	<0.000048
Acenaphthene	*1.5*	*4.4*	0.075	<0.0003	<0.00029	<0.00009	0.00036	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000867	<0.0000777	<0.000028
Acenaphthylene	*1.5*	*4.4*	0.00048	<0.0003	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000566	<0.0000566	<0.0000583	<0.000015
Anthracene	*7.3*	*22*	0.014	0.00065	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000472	<0.0000472	<0.0000472	<0.0000485	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.00061	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	0.00019	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.000126	<0.000031
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00012 J	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	<0.000359	0.000089 J
Chrysene	*0.91*	*2*	0.00057	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.093	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	<0.0000777	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000391	<0.000104	<0.000107	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0099	0.000526	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066	<0.000068	<0.00001
Fluorene	*0.98*	*2.9*	0.051	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	<0.000068	<0.000031
Naphthalene	*0.49*	*1.5*	0.0051	0.00119	<0.00039	0.0006	0.0013	0.0023	<0.0001	<0.00005	<0.00005	0.0003	<0.000211	<0.0000755	<0.0000755	<0.00101	<0.00002
Nitrobenzene	*0.049*	*0.15*	<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	<0.000107	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.0000971	<0.000026
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000592	<0.000081
Phenanthrene	*0.73*	*2.2*	0.098	0.000727	<0.0002	<0.00007	0.00039	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000861	<0.000201	<0.0000583	<0.000021
Phenol	*7.3*	*22*	<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	<0.0000388	<0.000036
Pyrene	*0.73*	*2.2*	0.0057	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	<0.000107	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	0.00379														0.00108 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-36D 07/15/2010	MW-36D 01/26/2011	MW-36D 07/27/2011	MW-36D 02/14/2012
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	<0.001	<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	<0.0005	0.00071 J	<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	<0.0005	<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	<0.0003	<0.0003	<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	<0.001	<0.001	<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	<0.0002	<0.0002	<0.0005	<0.0005	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*	<0.0002	<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	<0.001	<0.001	<0.0031	<0.0031
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.000052		<0.000042	<0.00004	<0.00004	<0.00004	<0.00004	0.00008 J	<0.00008	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058		<0.00006	<0.000058	<0.000058	<0.000058	<0.000058	0.00009 J	<0.00009	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042		<0.000044	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019		<0.00002	<0.000019	<0.000019	<0.000019	0.000023 J	<0.00007	0.00013 J	<0.00005	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002		<0.000021	<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		<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.00059	<0.000027	<0.000027	<0.000027	<0.000027		<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.00009	<0.00009	<0.00005	<0.00005
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015		<0.000016	<0.000015	<0.000015	<0.000015	<0.000015	<0.00007	<0.00007	<0.00005	<0.00005
Anthracene	*7.3*	*22*	0.000066 J	<0.000014	<0.000014	<0.000014	<0.000014		<0.000015	<0.000014	<0.000014	<0.000014	0.000016 J	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005		<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000064 J	0.00003 J	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003		<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00015 J	0.0001 J	<0.000037	<0.000037	<0.000037		<0.000039	<0.00016	<0.000037	<0.000037	<0.000037	0.005 J	0.00097	0.0012	<0.0012
Chrysene	*0.91*	*2*	<0.000021	0.000027 J	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00005	0.000078 J
Dibenzofuran	*0.098*	*0.29*	0.00061	<0.00002	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002	<0.00002	<0.00002	0.00003 J	<0.00008	<0.00008	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000028 J	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00007	<0.00007	0.00032	0.000052 J
Fluoranthene	*0.98*	*2.9*	0.00012	0.000033 J	<0.00001	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	0.000023 J	<0.00007	<0.00007	0.000068 J	0.00013 J
Fluorene	*0.98*	*2.9*	0.00034	<0.00003	<0.00003	<0.00003	<0.00003		<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00007	<0.00007	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.000062	0.00015	<0.00034		<0.000021	<0.00002	<0.00063	<0.00002	0.000054 J	<0.0001	0.00083	0.000061 J	<0.000072
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024		<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025		<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079		<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.00011	0.000026 J	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021	<0.000021	<0.000021	0.000052 J	<0.00007	<0.00007	0.000072 J	0.000069 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.00014	<0.000035		<0.000036	<0.00012	0.00014 J	<0.000035	<0.000035	0.00065	<0.00007	0.000056 J	0.00023
Pyrene	*0.73*	*2.2*	0.000076 J	0.000032 J	<0.000019	<0.000019	<0.000019		<0.00002	<0.000019	<0.000019	<0.000019	0.000025 J	<0.00007	<0.00007	0.000053 J	0.000087 J
Metals																	
Arsenic	*0.01*	*0.01*	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				

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-36D 01/26/2021	MW-36D 07/22/2021
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<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	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<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	<0.001	<0.001
Toluene	*1*	*1*	<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	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<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	<0.0003	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004	<0.000077
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	0.00084	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	0.0003	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	0.000022 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.00016	0.00037
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	0.0004	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.000026	<0.00002
Fluoranthene	*0.98*	*2.9*	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	<0.000027	<0.00001
Fluorene	*0.98*	*2.9*	<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	0.0002	<0.00003
Naphthalene	*0.49*	*1.5*	<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	0.0046	<0.00019
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	0.00022	<0.000021
Phenol	*7.3*	*22*	<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	0.00029	<0.000065
Pyrene	*0.73*	*2.2*	<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	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*							0.000773 J	0.00137 J	<0.0004	0.000417 J	<0.0004	0.000533 J	<0.0004	0.00212	0.00234

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-36D 01/26/2022	MW-36D 07/27/2022	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	MW-38A 08/25/2011	MW-38A 02/15/2012	MW-38A 07/18/2012	MW-38A 02/07/2013
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.00052	<0.00052	<0.00109	<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	<0.00025	<0.00025	<0.00112	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001		<0.001	<0.0005	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.00047	<0.00047	<0.0015	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001		<0.001	<0.0005	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.00025	<0.00025	<0.00142	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011		<0.0011	<0.0005	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.00054	<0.00122	<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	<0.00041	<0.00041	<0.00138	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001		<0.001	<0.0005	<0.00015
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.00127	<0.00127	<0.00302	<0.00127	<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*	<0.000021	<0.000021	<0.00008	<0.00008	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005		<0.00005	<0.00005	<0.000105
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00029	<0.00029	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005		<0.00005	<0.00005	<0.000295
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00019	<0.0002	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000124
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006		<0.00006	<0.00006	<0.0000762
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00039	<0.00039	<0.00039	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005		<0.00005	<0.00005	<0.0000762
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.00039	<0.00039	<0.00039	<0.00038	0.00044	<0.00007	0.00016 J	0.000085 J	<0.00005		<0.00005	<0.00031	<0.0000667
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008		<0.00008	<0.00008	<0.00079
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00024	<0.00024	<0.00024	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.000533
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.00029	<0.00029	<0.00029	<0.00028	<0.00009	0.00024	<0.00009	<0.00009	0.00043		<0.00005	<0.00025	<0.0000762
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.00029	<0.00029	<0.00029	<0.00028	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000571
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.00023	0.0001 J		<0.00005	<0.00013	0.0000712 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	0.00025		<0.00005	<0.00005	<0.0000762
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	**0.00052**	<0.00005	<0.00005	<0.00005	<0.0000762
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00039	<0.00039	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000124
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000068 J	<0.000037	0.00078 J	**0.0145**	0.00022 J	0.00105 J	0.00042	<0.00049	<0.00044	0.00064	<0.00094		0.0016	0.00023	<0.000352
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	0.00022		<0.00005	<0.00005	<0.0000762
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00029	<0.00029	<0.00029	<0.00028	<0.00008	<0.00008	0.000083 J	<0.00008	<0.00005	0.000055 J	<0.00005	<0.00014	<0.0000762
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	0.00017 J		<0.00005	0.000052 J	<0.000105
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	0.00012 J	<0.00007	0.00034	0.00014 J		<0.00005	<0.00017	<0.0000667
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00015	<0.0000667
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00039	<0.00039	<0.00039	<0.00038	0.006	<0.0001	<0.0001	0.00059	<0.00026		<0.00005	<0.001	<0.0000762
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00039	<0.00039	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000105
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00024	<0.00024	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.0000952
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	0.000067 J		<0.00005	<0.00005	<0.000581
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.0001 J	<0.00005		0.00011 J	<0.00032	<0.0000571
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000381
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	0.0001 J	<0.00007	0.00021	0.00018 J		<0.00005	<0.00016	<0.000105
Metals																	
Arsenic	*0.01*	*0.01*	0.00615	0.000425 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-38A 07/26/2022	MW-38B 01/29/2008
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	0.00031 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052
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	<0.00025
Chlorobenzene	*0.1*	*0.1*	<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	<0.00047
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	<0.00025
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	<0.00054
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	<0.00041
Vinyl chloride	*0.002*	*0.002*	<0.00011		<0.00011												
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	<0.00127
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004	<0.0003
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.0002
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.0002
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.0004
2-Methylnaphthalene	*0.098*	*0.29*	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	<0.00044	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.00025
Acenaphthene	*1.5*	*4.4*	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	0.0015	<0.0003
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.0003
Anthracene	*7.3*	*22*	<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	<0.00027	<0.0002
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.0002
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003	<0.0004
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.00014 J	0.00103 J
Chrysene	*0.91*	*2*	<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	<0.000021	<0.0002
Dibenzofuran	*0.098*	*0.29*	<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	<0.00022	<0.0003
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	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	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	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	<0.00016	<0.0002
Fluorene	*0.98*	*2.9*	<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	<0.00043	<0.0002
Naphthalene	*0.49*	*1.5*	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	0.0019	<0.0004
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.0004
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.0002
Phenanthrene	*0.73*	*2.2*	<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	<0.00038	<0.0002
Phenol	*7.3*	*22*	<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	<0.000035	<0.0002
Pyrene	*0.73*	*2.2*	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	<0.00014	<0.0002
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	**0.0334**	

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-38B 07/25/2014	MW-38B 01/26/2018	MW-38B 03/25/2018	MW-38B 06/05/2018
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<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	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<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	<0.001	<0.001
Toluene	*1*	*1*	<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	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*										<0.00011		<0.00011			
Xylenes (total)	*10*	*10*	<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	<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	<0.000105	<0.000104	<0.000105	<0.000109	<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	<0.00005	<0.000295	<0.000292	<0.000295	<0.000307	<0.000041	<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	<0.00005	<0.000124	<0.000123	<0.000124	<0.000129	<0.000059	<0.000059	<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	<0.0000755	<0.0000762	<0.0000792	<0.000043	<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	<0.0000755	<0.0000762	<0.0000792	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00038	0.00037	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0003	<0.0000667	<0.000066	0.000137 J	<0.0000992	0.000096 J	<0.000019	<0.000019
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	<0.000783	<0.00079	<0.000822	<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	<0.000528	<0.000533	<0.000554	<0.000048	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	<0.000342	<0.000028	0.000095 J	0.048
Acenaphthylene	*1.5*	*4.4*	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000571	<0.0000594	<0.000015	<0.000015	0.00036
Anthracene	*7.3*	*22*	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	<0.000398	0.000047 J	<0.000014	0.0018
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000792	<0.000051	<0.000051	<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	<0.0000755	<0.0000762	<0.0000792	<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	0.000072 J	<0.000124	<0.000123	<0.000124	<0.000129	<0.000031	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00019	0.00041	<0.00039	<0.00074	<0.0002	<0.001	<0.0001	<0.0001	<0.000352	<0.000349	<0.000352	<0.000366	0.000061 J	0.00012 J	<0.000037
Chrysene	*0.91*	*2*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000792	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00028	<0.0000762	<0.0000755	0.0000923 J	<0.00041	0.000053 J	<0.00002	0.008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000109	<0.00002	0.000027 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00019	<0.00007	<0.00007	0.00017 J	<0.00007	<0.00005	<0.00005	<0.00032	<0.0000667	<0.000066	0.000101 J	<0.00058	<0.00001	0.000022 J	0.0014
Fluorene	*0.98*	*2.9*	<0.00019	<0.00007	<0.00007	0.00015 J	<0.00007	<0.00005	<0.00005	<0.00027	<0.0000667	<0.000066	0.0000778 J	<0.000219	0.000046 J	<0.00003	0.019
Naphthalene	*0.49*	*1.5*	<0.00038	0.0045	<0.00014	<0.0001	0.00031	<0.00005	0.00037	<0.0015	<0.0000762	<0.0000755	0.000466 J	<0.0016	0.00084	0.00016	0.00099
Nitrobenzene	*0.049*	*0.15*	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000109	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000952	<0.000099	<0.000026	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.000575	<0.000581	<0.000604	<0.000081	<0.00008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00037	<0.0000571	<0.0000566	0.000304 J	<0.000164	0.000061 J	0.000052 J	<0.000021
Phenol	*7.3*	*22*	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381	<0.0000377	<0.0000381	<0.0000396	<0.000036	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00019	<0.00007	<0.00007	0.00027	<0.00007	<0.00005	<0.00005	<0.00037	<0.000105	<0.000104	<0.000105	0.000472 J	<0.000019	0.000035 J	0.00086
Metals																	
Arsenic	*0.01*	*0.01*													0.000636 J	0.000972 J	**0.0386**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	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-39B 01/30/2008	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
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
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
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
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
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
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	<0.001
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	<0.0031
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	0.00025	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.000056 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	<0.00029	<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	<0.0002	<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	<0.0002	<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	<0.0004	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.0003	0.00017	<0.000019	<0.000019	<0.000019	<0.000019	<0.00007	<0.0004	<0.00039	<0.00007	<0.00007	<0.00007	0.000086 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	<0.0002	<0.00049	<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	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00012	0.054	<0.000027	0.000027 J	0.00026	<0.000027	<0.000027	0.000664	<0.00029	0.00022	0.00014 J	0.0034	0.00039	0.00028
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.00045	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	0.000053 J
Anthracene	*7.3*	*22*	0.0001	0.000037 J	0.0012	<0.000014	<0.000014	0.000036 J	<0.000014	<0.000071	0.00106	0.000619	0.00028	<0.00007	<0.00007	<0.00007	0.0004
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	0.000055 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.00019	<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	<0.0002	<0.00019	<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	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00031	<0.000037	<0.000037	0.000067 J	0.000043 J	<0.000037	<0.000037	0.00119 J	<0.00019	0.00046	0.0007	<0.0002	0.00024	0.00092
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.000057 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00014	0.0054	<0.00002	<0.00002	0.00015	<0.00002	<0.00002	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000036 J	<0.00002	0.000041 J	0.000028 J	<0.00002	<0.00002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.0025	<0.00001	0.000016 J	0.000071 J	<0.00001	<0.00001	0.00213	0.000575	0.0014	<0.00007	0.0019	0.00013 J	0.000079 J
Fluorene	*0.98*	*2.9*	<0.00003	0.00006 J	0.015	<0.00003	<0.00003	0.0002	<0.00003	<0.00003	<0.0002	<0.00019	0.00025	0.00021	0.00048	0.00013 J	0.00011 J
Naphthalene	*0.49*	*1.5*	<0.00002	0.0026	0.00098	<0.00002	0.000022 J	<0.00022	<0.00002	<0.00016	<0.0004	<0.00039	0.00052	0.00018 J	<0.00015	0.00076	<0.00005
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	0.000054 J
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000079 J	0.00095	<0.000021	0.000027 J	0.000087 J	<0.000021	<0.000032	0.00045 J	<0.00019	<0.00007	0.00025	<0.00007	0.00018 J	<0.00005
Phenol	*7.3*	*22*	<0.000035	0.000056 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.0015	<0.000019	<0.000019	0.000046 J	<0.000019	<0.000019	0.00156	0.000956	0.0013	0.00018 J	0.002	<0.00007	0.00017 J
Metals																	
Arsenic	*0.01*	*0.01*	<0.0004	0.000553 J	**0.0173**	0.000612 J	**0.0526**	<0.00353	0.00191 J	0.00692							

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-39B 01/13/2020	MW-39B 07/16/2020	MW-39B 01/13/2021	MW-39B 07/08/2021
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
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
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
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	0.00078 J	<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
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	0.00038 J	<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	<0.00026	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0031	<0.0003	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.000104	<0.000105	<0.00106	<0.000107	<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 J	<0.00005	<0.000292	<0.000295	<0.00298	<0.000301	<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*	0.00005 J	<0.00005	<0.000123	<0.000124	<0.00125	<0.000126	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	0.00006 J	<0.00006	<0.0000755	<0.0000762	<0.000769	<0.0000777	<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 J	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00009 J	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	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	0.00021	<0.000067	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.000783	<0.00079	**<0.00798**	<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 J	<0.00005	<0.000528	<0.000533	<0.00538	<0.000544	<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 J	0.0004	0.000756	0.0007	0.00115 J	<0.0012	0.00093	0.001	0.00054	0.00062	0.00065	0.0012	0.024	0.0046	0.0018
Acenaphthylene	*1.5*	*4.4*	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	<0.000015	0.00015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	0.0001 J	0.000901	0.000774	<0.00101	<0.000615	0.000053 J	<0.000014	0.0002	0.00016	0.00021	0.00016	0.00063	0.00024	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.00005 J	<0.00005	<0.0000755	<0.0000762	<0.000769	<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	<0.0000755	<0.0000762	**<0.000769**	<0.0000777	<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 J	<0.00005	<0.000123	<0.000124	**<0.00125**	<0.000126	<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*	<0.00015	<0.00015	<0.000349	<0.000352	<0.00356	<0.000359	0.0018	0.00013 J	0.00011 J	<0.000037	0.000042 J	<0.000037	<0.000071	0.000096 J	<0.00024
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	0.000057 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000028 J	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	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	0.00019	<0.00011	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.000104	<0.000122	<0.00106	<0.000107	0.000082 J	<0.00002	0.000035 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	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	0.00023	0.0013	0.00049	0.00012
Fluorene	*0.98*	*2.9*	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	0.00032	0.0014	0.0007	0.00019
Naphthalene	*0.49*	*1.5*	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	0.0023	<0.0011	0.000072 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	0.00005 J	<0.00005	<0.000104	<0.000105	<0.00106	0.000853	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.0000943	0.000158 J	<0.000962	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.000084 J
Pentachlorophenol	*0.001*	*0.001*	0.00005 J	<0.00005	<0.000575	<0.000581	**<0.00587**	<0.000592	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	0.00019	<0.000047	0.000039 J	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.000385	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	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	0.00022	0.00095	0.00053	0.00014
Metals																	
Arsenic	*0.01*	*0.01*							**0.0108**	0.00188 J	0.00178 J	0.00365	0.00144 J	0.00248	**0.0489**	**0.0444**	**0.0155**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-39B 01/06/2022	MW-39B 07/11/2022	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	**<0.01**	**<0.01**	<0.005	<0.00014	<0.0014	<0.0007	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	**0.0348**	**0.0269**	**0.026**	**0.028**	**0.026**	**0.019**	**0.016 J**	**0.013 J**	**0.013 J**	**0.0108**	**0.0115**	**0.0109**	**0.0103**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.00047	<0.00047	0.001 J	<0.0005	<0.0005	<0.0005	<0.01	<0.01	<0.005	<0.00012	<0.0012	<0.0006	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	0.162	0.116	0.1	0.12	0.12	0.13	0.081	0.08	0.082	0.0817	0.0798	0.084	0.0825
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	**<0.013**	**<0.013**	**<0.01**	<0.00015	<0.0015	<0.00075	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	0.0791	0.059	0.05	0.054	0.05	0.045	0.019 J	0.028 J	0.022 J	0.0118	0.0173	0.0147	0.0154
Vinyl chloride	*0.002*	*0.002*												<0.00011			<0.00011
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	0.35	0.244	0.2	0.22	0.22	0.21	0.12 J	0.13 J	0.14 J	0.116	0.127	0.12	0.126
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	**<0.02**	<0.0004	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	**<0.0104**	**<0.00524**	**<0.0212**	<0.00109
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.071	0.0445	0.011	0.014	0.0044	0.00033 J	0.0034	0.004	0.0039	<0.0292	<0.0148	<0.0596	<0.00307
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	**<0.048**	<0.001	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	**<0.00619**	**<0.025**	<0.00129
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	**<0.048**	<0.001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00755**	**<0.00381**	**<0.0154**	<0.000792
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.095	<0.002	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00755	<0.00381	<0.0154	<0.000792
2-Methylnaphthalene	*0.098*	*0.29*	0.000024 J	0.00037	**0.522**	**4.41**	**0.58**	**0.49**	**0.41**	**0.27**	**0.24**	**0.2**	**0.28**	**0.302**	**0.309**	**0.35**	**0.263**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	**<0.048**	**<0.0025**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0783**	**<0.0395**	**<0.16**	**<0.00822**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	**<0.06**	<0.0012	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**<0.0528**	<0.0267	**<0.108**	<0.00554
Acenaphthene	*1.5*	*4.4*	0.0054	0.0025	0.365	**3.17**	0.35	0.33	0.27	0.25	0.17	0.2	0.23	0.315	0.35	0.402	0.236
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.071	<0.0015	0.0027	0.0025	0.0031	0.0025	0.0019	0.0022	0.0021	<0.00566	<0.00286	<0.0115	0.00335 J
Anthracene	*7.3*	*22*	0.00014	0.00013	<0.048	0.0141	0.016	0.0095	0.017	0.017	0.0097	0.019	0.007	0.0183 J	0.019 J	0.0247 J	0.0142
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	**<0.048**	<0.001	0.00028	0.0001 J	<0.00007	0.00016 J	<0.00005	0.000095 J	<0.00005	<0.00755	<0.00381	**<0.0154**	<0.000792
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	**<0.048**	**<0.001**	0.0002 J	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00755**	**<0.00381**	**<0.0154**	**<0.000792**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	**<0.095**	**<0.002**	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	**<0.00619**	**<0.025**	**<0.00129**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000097	0.000068 J	**<0.048**	<0.001	0.00047	0.0035	<0.0002	0.00075	<0.00053	0.00033	<0.00016	**<0.0349**	**<0.0176**	**<0.0712**	<0.00366
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.048	<0.001	0.00023	0.00011 J	<0.00007	0.00013 J	<0.00005	0.00011 J	<0.00005	<0.00755	<0.00381	<0.0154	<0.000792
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00028	**0.239**	**2.13**	**0.25**	**0.17**	**0.22**	0.092	**0.13**	**0.15**	**0.17**	**0.206**	**0.242**	**0.252**	**0.178**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.048	<0.001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0104	<0.00524	<0.0212	<0.00109
Fluoranthene	*0.98*	*2.9*	0.00054	0.00027	<0.048	0.0067	0.0082	0.0067	0.0064	0.0068	0.0049	0.0042	0.0031	<0.0066	0.0104 J	<0.0135	0.00562
Fluorene	*0.98*	*2.9*	0.00068	0.0005	0.175	0.247	0.2	0.15	0.17	0.093	0.13	0.13	0.15	0.175	0.212	0.217	0.183
Naphthalene	*0.49*	*1.5*	<0.000085	0.0027	**9.34**	**94.2**	**9.7**	**8**	**6.8**	**6.1**	**4**	**4.2**	**6**	**6.78**	**7.73**	**6.07**	**4.24**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	**<0.095**	<0.002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0104	<0.00524	<0.0212	<0.00109
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.06	<0.0012	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00943	<0.00476	<0.0192	<0.00099
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	**<0.048**	<0.001	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.0575**	**<0.029**	**<0.117**	**<0.00604**
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00026	0.173	0.177	0.16	0.12	0.15	0.083	0.11	0.08	0.1	0.137	0.158	0.197	0.111
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.048	<0.001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00377	<0.0019	<0.00769	<0.000396
Pyrene	*0.73*	*2.2*	0.00071	0.00026	<0.048	0.0029	0.0043	0.0033	0.0035	0.0039	0.0021	0.0033	0.0019	<0.0104	<0.00524	<0.0212	0.00242 J
Metals																	
Arsenic	*0.01*	*0.01*	**0.0415**	**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.
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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.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-41B 01/31/2008 DNAPL	MW-41B 01/23/2020 DNAPL	MW-41B 07/29/2020	MW-41B 01/28/2021
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.00052	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.0091**	**0.0066**	**0.014**	**0.0063**	**0.0088**	**0.011**	**0.01**	**0.01**	**.0078 J**	**0.0061**	**0.0084**	**0.0103**	**0.012**	**0.016**	**0.01**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.00047	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.049	0.039	0.08	0.041	0.082	0.089	0.086	0.11	0.066	0.042	0.08	0.0508	0.066	0.052	0.059
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.00054	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0081	0.0049	0.019	0.0048	0.014	0.022	0.016	0.024	0.0061 J	0.0016 J	0.015	0.0525	0.087	0.059	0.054
Vinyl chloride	*0.002*	*0.002*													<0.0002		
Xylenes (total)	*10*	*10*	0.066	0.044	0.11	0.052	0.13	0.16	0.12	0.17	0.088	0.036	0.11	0.127	0.16	0.12	0.14
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.0008	<0.000021	<0.00021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00034	<0.00004	<0.00004	0.0013	0.0013	<0.00004	0.0026	0.0019	<0.00004	<0.00004	0.104	0.043	0.021	0.0034
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	**<0.0019**	<0.000058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	**<0.0019**	<0.000042	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.0038	<0.000021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.13**	0.056	0.091	0.077	**0.18**	**0.34**	**0.27**	**0.3**	**0.22**	**0.14**	**0.099**	**0.305**	**0.67 J**	0.092	0.058
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	<0.00002	<0.00002	<0.00002	<0.0019	<0.00002	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	0.0015	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.0024	<0.000047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.26	0.16	0.14	0.12	0.21	0.39	0.27	0.37	0.25	0.17	0.14	0.161	0.49	0.062	0.046
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.0014	0.00083	0.0021	0.0021	0.0018	0.0034	0.0021	0.00095	0.00099	<0.0029	0.0089	0.0017	0.00086 J
Anthracene	*7.3*	*22*	0.016	0.0082	0.0087	0.007	0.011	0.04	0.008	0.021	0.017	0.0082	0.0079	0.0191	0.045	0.013	0.0059
Benzo(a)anthracene	*0.0091*	*0.02*	<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	0.0036	0.004	0.0066	0.0033
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	**<0.0019**	**0.0009**	**0.0024**	**0.0011**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	**<0.0038**	<0.00003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	<0.0019	0.00032	0.00089 J	<0.00037
Chrysene	*0.91*	*2*	<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	0.003	0.0033	0.0052	0.003
Dibenzofuran	*0.098*	*0.29*	**0.16**	0.085	0.086	0.069	**0.13**	**0.29**	0.081	**0.24**	**0.16**	**0.1**	0.073	**0.142**	**0.39**	0.033	0.039
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000069	<0.0002	<0.00002	<0.00002	<0.00002	<0.0019	<0.00002	<0.0002	0.00074 J
Fluoranthene	*0.98*	*2.9*	0.0081	0.0037	0.0034	0.0041	0.0059	0.017	0.0055	0.012	0.0091	0.0043	0.0037	0.027	0.052	0.031	0.019
Fluorene	*0.98*	*2.9*	0.18	0.096	0.1	0.087	0.13	0.3	0.078	0.24	0.17	0.11	0.072	0.148	0.35	0.042	0.041
Naphthalene	*0.49*	*1.5*	**1.5**	**0.97**	**1.8**	**1.3**	**3.6**	**7.9**	**2.3**	0.1	0	**1.5**	**2.5**	**4.57**	**10**	**2.3**	**0.56**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.0038	<0.000024	<0.00024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.0024	<0.000025	<0.00025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	**<0.0019**	<0.000079	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.14	0.078	0.1	0.068	0.093	0.22	0.066	0.23	0.16	0.093	0.067	0.161	0.41	0.087	0.046
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00065	<0.000035	0.000053 J	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	0.00576	<0.000035	<0.00035	<0.00035
Pyrene	*0.73*	*2.2*	0.0036	0.0019	0.0016	0.002	0.0024	0.0037	0.0026	0.0059	0.0037	0.0022	0.0016	0.017	0.029	0.019	0.0093
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**		**0.0842 J**	**0.0801**	**0.0589**

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.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-41B 07/26/2021	MW-41B 01/27/2022	MW-41B 07/24/2022	MW-42B 01/30/2008	MW-42B 01/19/2010	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.002	<0.002	<0.00052	<0.0005	<0.001	<0.001	<0.0025	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.001
Benzene	*0.005*	*0.005*	**0.014**	**0.038**	**0.011**	0.00117 J	<0.0005	<0.001	<0.001	<0.0025	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.003	<0.003	<0.00047	<0.0005	<0.001	<0.001	<0.0025	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0015
Ethylbenzene	*0.7*	*0.7*	0.075	0.056	0.052	0.00112 J	<0.0005	<0.0011	<0.0011	<0.0025	<0.000132	<0.00011	<0.00019	0.000208 J	<0.0003	<0.0003	<0.0015
Methylene chloride	*0.005*	*0.005*	<0.001	**<0.01**	**<0.01**	<0.00054	<0.0005	<0.0013	<0.0013	**0.0097 J**	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.005
Toluene	*1*	*1*	0.097	0.077	0.042	0.00181 J	<0.0005	<0.001	<0.001	<0.0025	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.001
Vinyl chloride	*0.002*	*0.002*									<0.00011			<0.00011			
Xylenes (total)	*10*	*10*	0.18	0.14	0.12	0.00377 J	<0.001	<0.0031	<0.0031	<0.0075	<0.00026	<0.00026	<0.00058	0.000349 J	<0.0003	<0.0003	<0.0015
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	**<0.021**	<0.00008	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000109	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.0061	0.23	<0.04	<0.00029	<0.00008	0.00013 J	<0.00005	<0.00005	<0.000292	<0.000295	0.000916 J	0.000577	<0.00004	<0.00004	<0.00041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	**<0.058**	<0.00019	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000129	<0.000059	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	**<0.042**	<0.00019	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000042	<0.000042	**0.012**
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.021	<0.00039	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.089	**0.31**	**0.88**	<0.00039	<0.00007	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	**<0.02**	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	<0.000822	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.047	<0.00024	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000528	<0.000554	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.047	0.28	0.61	<0.00029	0.00021	<0.00024	0.0017	0.00081	0.00036 J	<0.0000762	0.000355 J	<0.0000792	<0.000027	<0.000027	0.000067 J
Acenaphthylene	*1.5*	*4.4*	0.00094 J	0.0049	<0.015	<0.00029	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.012	0.046	0.13	<0.00019	<0.00007	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
Benzo(a)anthracene	*0.0091*	*0.02*	0.0032	**0.032**	**<0.05**	<0.00019	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000051	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00089 J**	**0.0061**	**<0.02**	<0.00019	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	**<0.03**	<0.00039	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000129	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	0.0013 J	**<0.037**	0.00135 J	0.00028	<0.0008	<0.0001	<0.00022	<0.000349	<0.000352	<0.000349	0.000513	0.00025	0.00015 J	0.00021
Chrysene	*0.91*	*2*	0.0031	0.033	<0.021	<0.00019	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	0.000038 J	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.051	**0.24**	**0.55**	0.000699	0.00037	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.02	<0.00019	<0.00007	<0.00005	<0.00005	0.000062 J	<0.000104	0.000108 J	<0.000104	<0.000109	0.00006 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.022	0.41	0.35	0.000697	0.00059	0.00024	0.00085	0.00041	0.000641	0.000294 J	0.000339 J	<0.0000693	0.00024	0.00014	0.000016 J
Fluorene	*0.98*	*2.9*	0.048	0.31	0.57	<0.00019	0.00016 J	<0.00026	0.0005	0.00016 J	<0.000066	0.000134 J	0.000198 J	<0.0000693	<0.00003	<0.00003	0.000047 J
Naphthalene	*0.49*	*1.5*	0.2	**3.7**	**10**	0.000725	0.00035	<0.00048	<0.00063	0.0019	0.000476	0.00288 J	0.00242 J	0.000426 J	<0.00002	0.00049	<0.00061
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.024	<0.00039	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000109	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.025	<0.00024	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.000099	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	**<0.079**	<0.00019	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	<0.000575	<0.000604	<0.00008	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	0.054	0.47	**1**	<0.00019	<0.00007	<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
Phenol	*7.3*	*22*	<0.00035	0.24	<0.035	<0.00019	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.0000377	0.000801	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.01	0.11	0.19	0.000624	0.00035	0.00014 J	0.00044	0.00023	0.000369 J	0.000127 J	0.000234 J	<0.000109	0.00023	0.00014	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	**0.0883**	**0.0379**	**0.056**										0.00186 J	0.00108 J	0.00112 J

Notes:

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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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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-42B 07/11/2022	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
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
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<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
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
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<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
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
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<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
Vinyl chloride	*0.002*	*0.002*															<0.001
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<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
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	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.000049 J	<0.00004	<0.00004	<0.00004	<0.0003	<0.00032	<0.00008	<0.00008	<0.00008	0.00081	<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	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	0.0007	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	0.000025 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.000069 J	<0.000019	<0.000019	<0.000019	<0.000019	0.000053 J	0.0244	0.00779	0.00097	0.00012 J	0.004 J	<0.00007	0.0023
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	<0.00021	<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	<0.00025	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	0.000068 J	0.00012	<0.000027	0.00023	<0.000027	0.00027	0.00016	0.127	0.202	0.12	0.13	0.2	0.023	0.23
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<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
Anthracene	*7.3*	*22*	<0.000014	0.000064 J	0.000049 J	0.000026 J	0.000041 J	<0.000014	<0.000014	<0.000014	0.00195	0.00393	0.0046	0.0077	0.0067 J	0.00055	0.0058
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	**<0.00021**	<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	<0.0004	<0.00042	<0.00009	<0.00009	0.00009 J	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000061 J	0.00015 J	0.00013 J	<0.00015	0.00018 J	0.00034	<0.00014	0.000084 J	0.00097 J	<0.00021	0.00043	<0.00031	<0.00028	0.00048	<0.00075
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	0.000022 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000038 J	0.000065 J	<0.00002	0.000078 J	<0.00002	<0.00002	<0.00002	0.0642	**0.125**	0.054	0.0087	0.0043 J	0.00072	0.0014
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.000026	<0.00004	0.000035 J	<0.00002	<0.00002	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Fluoranthene	*0.98*	*2.9*	0.00011	0.00004 J	0.00018	<0.000053	0.00026	0.000095 J	0.00024	0.00009 J	0.00269	0.00367	0.0032	0.0056	0.006 J	0.0014	0.0095
Fluorene	*0.98*	*2.9*	<0.00003	0.000057 J	0.000067 J	<0.00003	<0.00008	<0.00003	0.000032 J	0.000051 J	0.045	0.0865	0.056	0.069	0.097	0.00027	0.094
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00043	<0.00076	<0.000031	<0.00026	<0.00021	<0.00012	0.00044	**0.816**	0.287	0.021	<0.0011	0.16	0.00035	0.042
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00026	<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	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000034 J	0.00012	<0.000021	<0.00019	<0.000021	<0.000021	0.00011	0.0161	0.0184	0.02	0.0055	0.0025 J	<0.00007	0.0047
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.0001	0.000033 J	0.00013	0.000059 J	0.00029	0.00012	0.00022	0.000086 J	0.00159	0.00156	0.0016	0.0032	0.003 J	0.001	0.0046
Metals																	
Arsenic	*0.01*	*0.01*	0.00216	0.0022	0.00133 J	0.00127 J	<0.0029	<0.00178	0.00295	0.00137 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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*	0.0042 J	0.0044 J	0.00206	**0.00849**	**0.00727**	0.0042	<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
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0005	0.000624 J	0.00172	0.00067	0.000344 J	<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	0.000252 J	<0.000705	0.000418 J	0.000329 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*	<0.001	<0.0005		<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		
Xylenes (total)	*10*	*10*	0.0052 J	0.0033 J	0.00469	0.0207	0.00805	0.00561	<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	<0.00105	<0.0011	<0.000106	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00034 J	0.00014 J	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	<0.00295	<0.0031	<0.000298	<0.000304	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00042	<0.00004	<0.00004	<0.00013
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00124	<0.0013	<0.000125	<0.000127	0.00017 J	<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	<0.000762	<0.0008	<0.0000769	<0.0000784	<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	<0.000762	<0.0008	<0.0000769	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0048	0.0095 J	<0.000667	**0.109**	0.0106	0.00902	<0.000093	<0.000019	<0.000019	<0.000019	<0.000019	<0.00035	<0.000019	<0.000019	0.00057
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	**<0.0079**	**<0.0083**	<0.000798	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00011 J	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00533	<0.0056	<0.000538	<0.000549	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.21	0.22	0.07	0.546	0.394	0.197	0.062	0.064	0.09	0.037	0.056	0.064	0.075 J	0.031	0.023
Acenaphthylene	*1.5*	*4.4*	0.001	0.0013	0.00276 J	<0.0006	<0.0000577	0.0014	0.00078	0.0006	<0.000015	0.00036	0.00028	0.00097	<0.000015	0.00017	0.00018
Anthracene	*7.3*	*22*	0.0068	0.004	<0.000476	0.017	0.017	0.00868	0.00066	0.0024	0.0022	0.00044	0.00089	0.00027	0.00022 J	0.00015	0.00019
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769	<0.0000784	<0.00005	<0.000051	<0.00005	<0.00005	0.000085 J	0.000054 J	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	**<0.000762**	**<0.0008**	<0.0000769	<0.0000784	<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	**<0.00124**	**<0.0013**	<0.000125	0.00014 J	<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*	<0.00011	<0.0001	<0.00352	<0.0037	<0.000356	<0.000363	<0.0001	<0.000038	0.0001 J	<0.000037	<0.00025	<0.000037	<0.000037	<0.000068	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769	<0.0000784	<0.000021	<0.000021	<0.000021	0.000026 J	0.000052 J	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.001	0.0031	<0.000762	**0.135**	**0.107**	0.0159	0.00019	0.00029	<0.00002	<0.00002	<0.00002	<0.00033	<0.00002	<0.00002	0.00015
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00105	<0.0011	<0.000106	<0.000108	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00021	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0094	0.0065	0.00257 J	0.0137	0.0154	0.00749	0.0067	0.0095	0.012	0.0058	0.0091	0.0059	0.0025 J	0.0022	0.0028
Fluorene	*0.98*	*2.9*	0.11	0.091 J	0.00495	0.172	0.178	0.0987	0.024	0.03	0.039	0.0097	0.014	0.0078	0.02 J	0.0075	0.0069
Naphthalene	*0.49*	*1.5*	0.32	0.39	<0.000941	**1.72**	0.235 J	0.0163	<0.00028	0.00036	0.00038	0.00011	<0.00019	<0.003	<0.00016	<0.000091	0.011
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00105	<0.0011	<0.000106	0.0012	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.00065	<0.00005	<0.000952	<0.001	<0.0000962	<0.000098	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	**<0.00581**	**<0.0061**	<0.000587	<0.000598	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.0073	0.0064	<0.000571	0.0416	0.0438	0.0217	0.00012	0.00018	0.0002	<0.000021	0.00012	<0.00022	<0.000021	<0.000021	0.0001
Phenol	*7.3*	*22*	<0.00005	0.000062 J	<0.000381	<0.0004	<0.0000385	<0.0000392	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.00013	<0.000035	0.00006 J	<0.000035
Pyrene	*0.73*	*2.2*	0.0054	0.0038	0.00139 J	0.00732	0.0083	0.0041	0.0037	0.0069	0.0073	0.0033	0.0057	0.0045	0.0022 J	0.0016	0.0025
Metals																	
Arsenic	*0.01*	*0.01*							**0.0275**	**0.0169**	**0.0165**	**0.0101**	**0.0303**	0.00966	**0.0321**	**0.0151**	**0.0164**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-44A 01/25/2022	MW-44A 07/25/2022	MW-44C 01/29/2008 DNAPL	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-45C 01/29/2008 DNAPL	MW-45C 01/20/2020
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.00052	<0.001	<0.005	<0.0014	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.00025	<0.001	<0.005	0.000964 J	<0.0002	<0.0002		0.00025 J	<0.0002	<0.0002	<0.0002	**0.0448**	0.0005 J
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.00047	<0.001	<0.005	0.00293 J	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	0.0204	<0.0011	0.32	0.233	<0.0003	0.024		0.0015	<0.0003	<0.0003	<0.0003	0.111	0.00044 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.0013	**<0.01**	<0.0015	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.00054	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	0.0117	<0.001	0.16	0.0895	<0.0002	0.0099		0.00045 J	<0.0002	<0.0002	<0.0002	0.112	<0.0002
Vinyl chloride	*0.002*	*0.002*															<0.0002
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	0.0487	<0.0031	0.84	0.688	<0.0003	0.055		0.0034	<0.0003	<0.0003	<0.0003	0.298	0.0051
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.00021	<0.0002	<0.00005	<0.00075	**<0.529**	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**<0.002**	<0.000085
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.0004	0.00219 J	<0.00005	<0.00075	**<1.49**	0.00011 J		<0.00004	<0.00004	<0.00004	0.00023	<0.00004	0.0104	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.00058	<0.00039	<0.00005	<0.00075	**<0.625**	<0.000058		<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	**<0.004**	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.00042	<0.00039	<0.00006	<0.0009	**<0.385**	<0.000042		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.004**	**0.0022 J**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.00021	<0.00078	<0.00005	<0.00075	<0.385	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.008	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00003 J	<0.00019	0.00551	<0.00005	**62**	**1.15 J**	0.00012		<0.000019	0.00009 J	<0.000019	0.00036	<0.000019	**1.01**	<0.00013
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.0002	<0.00039	<0.00008	<0.0012	**<3.99**	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.004**	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00047	<0.00049	<0.00005	<0.00075	**<2.69**	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.005	0.000067 J
Acenaphthene	*1.5*	*4.4*	0.07	<0.058	0.0531	0.00012 J	**31**	0.632 J	0.00045		<0.000027	0.0012	<0.000027	0.00014	<0.000027	0.472	0.000084 J
Acenaphthylene	*1.5*	*4.4*	0.0003	<0.00015	0.00083	0.000097 J	0.29	<0.288	0.00065		<0.000015	0.000023 J	<0.000015	<0.000015	<0.000015	0.0085	0.000037 J
Anthracene	*7.3*	*22*	0.00025	<0.00077	0.0131	0.00014 J	**19**	<0.24	0.0086		0.00015	0.00043	<0.000014	0.000035 J	<0.000014	0.18	0.0009
Benzo(a)anthracene	*0.0091*	*0.02*	0.000057 J	<0.0005	0.00327	0.00017 J	**3.5**	**<0.385**	0.0018		0.00034	0.00018	<0.00005	<0.00005	<0.00005	**0.0416**	0.00039
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.0002	**<0.00039**	**0.00022**	**0.87**	**<0.385**	**0.00065**		**0.00029**	0.0001	<0.00002	<0.00002	<0.00002	**<0.004**	**0.00042**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.0003	<0.00078	<0.00005	<0.00075	**<0.625**	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.008**	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.00037	0.00235 J	<0.00087	**0.013**	**<1.78**	0.0012		0.0002	<0.00013	<0.000037	0.000078 J	<0.000037	<0.004	0.000067 J
Chrysene	*0.91*	*2*	0.000041 J	<0.00021	0.00278	0.00032	**3.3**	<0.385	0.0022		0.0003	0.00021	<0.000021	<0.000021	<0.000021	0.0347	0.00062
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.0013	0.046	<0.00005	**38**	**0.453 J**	0.00034		<0.00002	0.00063	<0.00002	0.00013	<0.00002	**0.488**	0.000075 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002	<0.00039	<0.00005	<0.00075	<0.529	0.0016		<0.00002	<0.000031	<0.00002	<0.00002	<0.00002	<0.004	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0038	<0.0053	0.0264	0.00016 J	**28**	<0.337	0.0095		0.00077	0.0022	<0.00001	0.000091 J	<0.00001	0.384	0.00062
Fluorene	*0.98*	*2.9*	0.015	<0.013	0.0346	<0.00005	**26**	<0.337	0.00067		<0.00003	0.00087	<0.00003	0.000087 J	<0.00003	0.357	0.00023
Naphthalene	*0.49*	*1.5*	<0.00023	<0.00052	<0.00078	<0.00016	**230**	**18 J**	0.000097 J		<0.00002	<0.00015	0.000099 J	0.0034	0.00005 J	**6.05**	<0.00061
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00024	<0.00078	<0.00005	<0.00075	**<0.529**	<0.000024		<0.000024	0.000059 J	<0.000024	<0.000024	<0.000024	<0.008	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00025	<0.00049	<0.00005	<0.00075	**<0.481**	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.005	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00079	<0.00039	<0.00005	<0.00075	**<2.93**	<0.000079		<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	**<0.004**	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.00082	0.0668	0.000081 J	**88**	0.498 J	0.0077		0.0003	0.00069	<0.000021	0.00014	0.00005 J	**0.903**	<0.00027
Phenol	*7.3*	*22*	<0.000035	<0.00035	<0.00039	<0.00005	<0.00075	<0.192	<0.000035		<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.004	<0.000035
Pyrene	*0.73*	*2.2*	0.0034	<0.0057	0.0159	0.00013 J	**19**	<0.529	0.006		0.00057	0.0014	<0.000019	0.000065 J	<0.000019	0.234	0.00068
Metals																	
Arsenic	*0.01*	*0.01*	0.00916	**0.0148**					0.00314	0.00752		**0.0196**	**0.159**	**0.0151**	**0.05**		0.00073 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	MW-45C 07/22/2020	MW-45C 01/26/2021	MW-45C 07/23/2021	MW-45C 01/25/2022	MW-45C 07/25/2022	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-47A 03/20/2020	MW-47A 06/01/2020	MW-47A 07/21/2020	MW-47A 01/21/2021
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.00052	<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*	0.0026	0.0016	0.0023	0.00079 J	**0.17**	**0.0222**	**0.028**	0.0037	0.0018	<0.0002	0.0035 J	**0.013**	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.00047	<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*	0.011	0.0081	0.011	0.003	0.53	0.0249	0.051	0.018	0.007	0.0013	0.0059	0.017	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.00054	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0094	0.0073	0.0082	0.0022	0.38	0.0167	0.0047	<0.0014	0.00078 J	<0.0002	<0.001	0.0023	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	0.029	0.021	0.029	0.0076	1.4	0.0377	0.11	0.047	0.018	0.0029	0.014	0.034	<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	**<1**	<0.0004	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.00088	0.0048	**<2**	<0.0014	0.00016 J	<0.00004	0.00023	<0.0004	0.016	0.02	<0.00004	<0.00004	0.0002 J	0.000059 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	**<2.9**	<0.00096	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	**<2.1**	<0.00096	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<1	<0.0019	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.044 J	<0.000046	<0.000019	0.043	**4000**	0.0825	**0.2**	0.059 J	0.0001	0.0096	0.053	0.071	<0.000019	<0.000019	<0.000019	0.000023 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	**<1**	<0.00096	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	**<2.4**	<0.0012	<0.000047	<0.000047	0.00021 J	<0.00047	<0.00047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.035 J	0.00088	0.0014	0.026	**<2500**	0.0635	0.16	0.054 J	0.022	0.04	0.055	0.081	<0.000027	<0.000027	<0.000027	0.0004
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00012	0.000065 J	0.00047	**30**	<0.0014	0.0016	<0.000015	0.00033	0.00064 J	0.00087 J	0.00089 J	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.025 J	0.00098	0.00062	0.0051	**1200**	0.0222	0.073	0.026 J	0.0032	0.025	0.081	0.025	<0.000014	<0.000014	<0.000014	0.000035 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.0048 J	0.00096	0.00046	0.003	**250**	0.00597	0.0071	0.0051 J	0.0014	0.006	0.0036	0.0049	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0016 J**	**0.00056**	**0.00024**	**0.00096**	**69**	**0.00215**	**0.0021**	**0.0019 J**	**0.00066**	**0.002**	**0.0013**	**0.0017**	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	**<1.5**	**<0.0019**	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000091	0.000052 J	<0.000037	**<1.8**	<0.00096	0.0011	0.00032 J	<0.00014	0.00039 J	0.002	<0.00037	0.00011 J	0.000086 J	0.00025	<0.00021
Chrysene	*0.91*	*2*	0.0041 J	0.001	0.00047	0.0028	**210**	0.00521	0.0068	0.004 J	0.0014	0.0067	0.0032	0.0052	<0.000021	<0.000021	<0.000021	0.000024
Dibenzofuran	*0.098*	*0.29*	0.033 J	<0.00008	0.00058	0.021	**<2300**	0.0636	**0.16**	0.05 J	0.0063	0.028	0.052	0.065	<0.00002	<0.00002	<0.00002	<0.00006
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<1	<0.00096	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	0.000076 J	<0.00002	0.000046 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.042 J	0.0031	0.0019	0.014	**<2100**	0.0426	0.084	0.049 J	0.0085	0.04	0.022	0.036	<0.00001	<0.00001	0.000067 J	0.00048
Fluorene	*0.98*	*2.9*	0.031 J	0.00024	0.0012	0.014	**<1800**	0.048	0.12	0.042 J	0.0094	0.025	0.047	0.055	<0.00003	<0.00003	<0.00003	0.0002
Naphthalene	*0.49*	*1.5*	0.27 J	<0.00016	<0.00014	**0.87**	**15000**	**1.1**	**1.8**	0.29 J	<0.00018	0.0049	0.18	0.35	<0.00002	<0.00002	0.00025	<0.00015
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	**<1.2**	<0.0019	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	**<1.2**	<0.0012	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	**<4**	<0.00096	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.14 J	0.0011	0.00077	0.027	**6400**	0.119	0.24	0.14 J	0.0078	0.047	0.099	0.12	<0.000021	<0.000021	0.00011	<0.000063
Phenol	*7.3*	*22*	<0.000035	0.000049 J	<0.000035	0.001	<1.8	0.0133	<0.000035	<0.000035	0.000038 J	<0.00035	<0.00035	<0.00035	<0.000035	<0.000035	0.000093 J	<0.000098
Pyrene	*0.73*	*2.2*	0.026 J	0.002	0.0012	0.0071	**1500**	0.0252	0.053	0.028 J	0.0048	0.027	0.014	0.022	<0.000019	<0.000019	0.000042 J	0.00036
Metals																		
Arsenic	*0.01*	*0.01*	<0.0004	0.000664 J	0.00109 J	**0.2**	**0.0172**		0.00272	0.000899 J	0.000951 J	<0.004	0.0011 J	0.00145 J	0.000566 J	0.000699 J	<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-47A 07/14/2021	MW-47A 01/11/2022	MW-47A 07/24/2022	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.00109	<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	<0.00112	<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	<0.0015	<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	<0.0003	<0.00142	<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	<0.001	<0.00122	<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	<0.00138	<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*															
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.00302	<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	<0.000021	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	R	<0.000104
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00032	<0.00008	<0.00008	0.00011 J	<0.00008	<0.00005	<0.00005	0.00042	R	<0.00031	R	<0.000292
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	R	<0.000123
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	R	<0.0000755
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	R	<0.0000755
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.00042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.0044	<0.00005	0.000098 J	<0.00007	R	<0.000066
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	R	<0.00083	R	<0.000783
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	R	<0.000528
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.00032	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00017 J	0.000058 J	<0.0000762	<0.00008	R	<0.0000755
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.00006	R	<0.0000566
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.000074 J	<0.00005	0.000107 J	<0.00005	R	<0.0000472
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000137 J	<0.00008	R	<0.0000755
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	**<0.00021**	<0.00008	0.000099 J	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**0.000306 J**	<0.00008	R	<0.0000755
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	R	<0.000123
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**.00012 J**	0.000088 J	<0.000037	<0.00021	0.0036	<0.00065	<0.00021	<0.0002	0.0001 J	**0.011**	<0.0001	0.000594	<0.00037	R	<0.000349
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000127 J	<0.00008	R	<0.0000755
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	0.000104 J	<0.00008	R	<0.0000755
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00015 J	<0.00005	<0.000105	<0.00011	R	<0.000104
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000289 J	0.000186 J	0.0000718 J	<0.000066
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00025	<0.00005	0.000116 J	<0.00007	R	<0.000066
Naphthalene	*0.49*	*1.5*	<0.000069	<0.000058	<0.000065	<0.00042	0.00019 J	<0.0001	0.00046	0.00021	<0.00005	0.0041	0.00046	<0.000401	<0.00008	0.000297 J	<0.0000755
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	R	<0.000104
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0001	R	<0.0000943
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00021	<0.00008	0.0004	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.00061	R	<0.000575
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000029	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.0003	<0.00005	0.000406 J	<0.00006	0.000185 J	<0.0000566
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00044	0.00056	R	<0.00004	R	<0.0000377
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00015 J	<0.00005	0.000388 J	0.000131 J	R	<0.000104
Metals																	
Arsenic	*0.01*	*0.01*	<0.000445	0.00256	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
6. J = Estimated value, < = not detected at the specified detection limit.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	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-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
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	<0.00109	<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	<0.00025	<0.00025	<0.00112	<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	<0.00047	<0.00047	<0.0015	<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	<0.00025	<0.00025	<0.00142	<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	<0.00054	<0.00054	<0.00122	<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	<0.00041	<0.00041	<0.00138	<0.0005	<0.0005	<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	<0.00127	<0.00127	<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	<0.00008	<0.00008	<0.00009	<0.0001	<0.0001	<0.0005	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.000095 J	<0.00004	0.0002	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00029	<0.00033	<0.00008	<0.00008	0.0073	<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	<0.00019	<0.00019	<0.00022	<0.00009	<0.00009	<0.00045	<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	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007
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	<0.00044	<0.00012	<0.0001	<0.0005	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.0001	<0.000019	<0.000019	<0.000019	<0.000019	0.00047	<0.00038	<0.00038	<0.00044	<0.00007	<0.00007	**0.18**	<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	<0.00019	<0.00019	<0.00022	<0.00008	<0.00008	<0.0004	<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	<0.00028	<0.00007	<0.00007	<0.00035	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000057	<0.000027	<0.000027	<0.000027	0.0001	0.00041	<0.00029	<0.00029	<0.00033	<0.00009	<0.00009	0.073	<0.00009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00002 J	<0.00029	<0.00029	<0.00033	<0.00006	<0.00007	0.0014	<0.00007
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000046 J	0.00032	0.000584	0.000589	<0.00022	0.00012 J	<0.00007	0.007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000093 J	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	0.00004 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	**<0.00022**	<0.00008	<0.00008	**<0.0004**	<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	<0.00038	<0.00038	<0.00044	<0.00009	<0.00009	<0.00045	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000056	<0.00027	0.00079	<0.0002	<0.000037	0.000052 J	0.00026	<0.000037	0.00045 J	<0.00019	0.00028 J	0.00034	<0.0018	<0.001	0.0013
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.00006 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000069 J	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.000034 J	<0.00002	<0.000049	<0.00002	<0.00002	<0.00002	0.000057 J	0.00052	0.00031 J	<0.00029	<0.00033	0.00025	<0.00008	0.065	<0.00008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.0014	0.00089	<0.00033	<0.00002	0.000038 J	<0.00002	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007
Fluoranthene	*0.98*	*2.9*	0.000028 J	<0.00001	<0.00011	<0.000037	<0.00001	<0.00001	0.00013	0.0005	0.00047 J	0.000687	0.00033 J	<0.00007	0.00013 J	0.0021	0.00019 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.000042	<0.00003	<0.00003	<0.00003	0.000083 J	0.0005	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	0.032	<0.00007
Naphthalene	*0.49*	*1.5*	0.00083	<0.00002	<0.00056	<0.00002	<0.00002	<0.00002	<0.00002	0.0011	0.00119	0.00062	<0.00044	0.00052	0.0002 J	**5**	<0.0001
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	<0.00044	<0.00009	<0.00009	<0.00045	<0.00009
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	<0.00028	<0.00009	<0.00009	<0.00045	<0.00009
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	<0.00022	<0.00008	<0.00008	**0.019**	<0.00008
Phenanthrene	*0.73*	*2.2*	0.000052 J	<0.000021	<0.000088	<0.000022	<0.000021	<0.000021	0.00012	0.0016	0.00046 J	0.00043 J	<0.00022	0.00032	<0.00007	0.03	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	0.024	<0.00007
Pyrene	*0.73*	*2.2*	0.000021 J	<0.000019	<0.0001	0.000022 J	<0.000019	<0.000019	0.000079 J	0.00038	0.00039 J	0.000528	<0.00022	<0.00007	0.0001 J	0.001	0.00015 J
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							

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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
Benzene	*0.005*	*0.005*	<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
Chlorobenzene	*0.1*	*0.1*	<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
Ethylbenzene	*0.7*	*0.7*	<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
Methylene chloride	*0.005*	*0.005*	<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
Toluene	*1*	*1*	<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
Vinyl chloride	*0.002*	*0.002*							<0.00018								
Xylenes (total)	*10*	*10*	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00005	<0.00005	0.00014 J	<0.000292	<0.000295	<0.000292	<0.000292	<0.00004	<0.00004	<0.00004	0.001	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	0.00031
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	<0.00005	<0.00005	0.0013	<0.000066	<0.0000667	<0.000066	<0.000066	<0.000019	<0.000019	<0.000019	0.00038	<0.000019	<0.000076	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000528	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00009	<0.00005	<0.00005	0.0011	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.000027	<0.000027	<0.000027	0.000098 J	<0.000027	<0.000073	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000566	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00007	<0.00005	<0.00005	0.00077	<0.0000472	<0.0000476	<0.0000472	<0.0000472	0.000025 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00005	<0.00005	0.000066 J	<0.0000755	<0.0000762	<0.0000755	<0.0000755	0.000057 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000021 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000123	<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	<0.00043	<0.0001	<0.00024	<0.000349	<0.000352	<0.000349	<0.000349	0.000079 J	0.00011 J	0.000063 J	<0.000037	<0.0003	0.000039 J	<0.000057
Chrysene	*0.91*	*2*	<0.00007	<0.00005	<0.00005	0.000073 J	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.000021	0.000044 J	<0.000021	<0.000021	<0.000021	0.000029 J	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00008	<0.00005	<0.00005	0.00096	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000054	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00005	<0.00005	0.000053 J	<0.000104	<0.000105	<0.000104	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000026
Fluoranthene	*0.98*	*2.9*	0.00019 J	<0.00013	<0.00005	0.00095	<0.000066	0.000134 J	0.000153 J	<0.000066	0.000049 J	0.000099 J	<0.00001	<0.00001	0.000035 J	<0.000061	<0.000052
Fluorene	*0.98*	*2.9*	<0.00007	<0.00005	<0.00005	0.0011	<0.000066	<0.0000667	<0.000066	<0.000066	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00005	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0001	<0.00005	<0.00005	0.0071	<0.000495	<0.000158	<0.0000755	<0.0000755	<0.00002	<0.00002	<0.00002	0.0085	<0.00002	<0.00052	<0.000071
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	<0.000575	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	<0.00005	<0.00005	0.0034	<0.0000566	<0.0000571	<0.0000566	<0.0000566	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000052	<0.000021
Phenol	*7.3*	*22*	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.0000377	<0.0000377	<0.000035	<0.000035	<0.000035	0.002	0.000074 J	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00012 J	<0.0001	<0.00005	0.00052	<0.000104	<0.000105	<0.000104	<0.000104	0.000052 J	0.000087 J	<0.000019	<0.000019	0.000036 J	<0.000065	0.000043 J
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

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-48C 01/21/2021	MW-48C 07/13/2021	MW-48C 01/24/2022	MW-48C 07/18/2022	MW-49A 01/31/2008	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.005	<0.005	**<0.01**	**<0.05**	<0.0005	<0.00014	<0.0014
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	**0.0108**	**0.165**	**0.24**	**0.2**	**0.29**	**0.057**	**0.2**	**<0.05**	**0.042**	**0.114**	**0.094**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	0.00865	0.00702	0.0053	0.0024 J	<0.005	0.0084 J	<0.01	<0.05	0.0037 J	**0.299**	**0.476**
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	0.0238	0.0837	0.084	0.085	0.14	0.04 J	0.094	<0.055	0.037	0.0321	0.0499
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.005	<0.005	**<0.013**	**<0.065**	<0.001	<0.00015	<0.0015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	0.00805	0.0415	0.077	0.083	0.13	0.021 J	0.11	<0.05	0.031	0.0343	0.0347
Vinyl chloride	*0.002*	*0.002*										**<0.005**	**<0.01**	**<0.05**	<0.0005	<0.00011	<0.0011
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	0.0352	0.187	0.2	0.21	0.34	0.079 J	0.2	<0.16	0.082	0.0777	0.106
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	**<0.004**	**<0.002**	<0.0001	<0.0001	<0.0005	<0.0001	<0.00005	<0.00005	<0.00005	**<0.00524**	**<0.0105**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.025	**6.08**	**6.8**	**0.86**	**3.7**	0.18	**3**	<0.00005	0.037	**1.42**	**0.903**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	**<0.0095**	**<0.004**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00619**	**<0.0124**
2,6-Dinitrotoluene	*0.0013*	*0.003*	0.00012 J	<0.000042	<0.000042	<0.000042	**<0.0095**	**<0.004**	<0.00007	<0.00007	<0.00035	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00381**	**<0.00762**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.019	<0.008	<0.00012	<0.0001	<0.0005	<0.0001	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.0693	**0.492**	**0.6**	**0.35**	**0.44**	**0.13**	**0.27**	<0.00005	<0.00005	**0.218**	**0.216**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	**<0.0095**	**<0.01**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0395**	**<0.079**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.012	<0.005	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.0267	**<0.0533**
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	0.215	0.468	0.32	0.2	0.21	0.13	0.13	<0.00005	0.033	0.134	0.126
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.014	<0.006	0.0039	0.0032	0.0052	0.0018	0.0029	<0.00005	0.00062	<0.00286	<0.00571
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000017 J	<0.0095	0.0164	0.01	0.0071	0.0099	0.0096	0.011	<0.00005	0.00076	0.00824 J	0.0119 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	**<0.0095**	<0.004	0.00066	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	**<0.0095**	**<0.004**	**0.00024**	<0.00008	**<0.0004**	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00381**	**<0.00762**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	**<0.019**	**<0.008**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00619**	**<0.0124**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00013	<0.000079	<0.000037	<0.00007	**<0.0095**	<0.004	0.0009	<0.0015	<0.001	<0.00029	<0.0001	<0.0001	0.0001 J	**<0.0176**	**<0.0352**
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.0095	<0.004	0.0006	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	**0.148**	**0.293**	**0.21**	**0.14**	**0.16**	0.075	0.09	<0.00005	0.0099	0.0851	0.0812
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000041	<0.00002	<0.00002	0.000043 J	<0.0095	<0.004	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105
Fluoranthene	*0.98*	*2.9*	0.000014 J	<0.00001	<0.00001	0.000031 J	<0.0095	0.0063	0.0058	0.0025	0.0034	0.0038	0.0033	<0.00005	0.0018	<0.00333	<0.00667
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	0.102	0.205	0.15	0.11	0.13	0.073	0.092	<0.00005	0.015 J	0.0717	0.0662
Naphthalene	*0.49*	*1.5*	<0.000085	<0.00002	<0.00002	0.000064 J	**2.13**	**11**	**9**	**5.1**	**10**	**1.8**	**7.4**	<0.00005	<0.00005	**2.88**	**3.3**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.019	<0.008	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.012	<0.005	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	<0.00476	<0.00952
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0095**	**<0.004**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00005	<0.00005	<0.00005	**<0.029**	**<0.0581**
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.0939	0.147	0.096	0.072	0.086	0.062	0.07	<0.00005	0.002	0.0455	0.0684
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.0095	0.0111	<0.00007	0.00077	0.0011	0.0058	0.0095	<0.00005	<0.00023	<0.0019	<0.00381
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	0.000033 J	<0.0095	<0.004	0.0046	0.0017	0.0018	0.002	0.0016	<0.00005	0.00095	<0.00524	<0.0105
Metals																	
Arsenic	*0.01*	*0.01*	0.000804 J	0.00216	<0.0004	0.00192 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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-50A 01/31/2008	MW-50A 07/16/2008
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0028	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00109
Benzene	*0.005*	*0.005*	**0.0565**	**0.108**	**0.013**	**0.016**	**0.01**	0.004	<0.0002	**0.3**	**0.13**	**0.12**	**0.0055**	**0.062**	**0.055**	<0.00025	<0.00112
Chlorobenzene	*0.1*	*0.1*	**0.304**	**0.211**	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	0.0063 J	0.0027	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0015
Ethylbenzene	*0.7*	*0.7*	0.0331	0.0701	0.01	0.01	0.0067	0.0031	<0.0003	0.1	0.077	0.049	0.016	0.044	0.055	<0.00025	<0.00142
Methylene chloride	*0.005*	*0.005*	<0.00022	**0.0212**	<0.001	<0.005	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00122
Toluene	*1*	*1*	0.0296	0.0593	0.003	0.0075	0.0065	0.0023	<0.0002	0.19	0.13	0.14	0.019	0.014	0.026	<0.00041	<0.00138
Vinyl chloride	*0.002*	*0.002*	<0.00018	**<0.0022**	<0.0002		<0.0002	<0.0002	<0.0002	<0.002	<0.0002						
Xylenes (total)	*10*	*10*	0.0699	0.157	0.023	0.023	0.015	0.0087	<0.0003	0.24	0.18	0.12	0.038	0.095	0.12	<0.00127	<0.00302
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.00519**	**<0.0104**	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.00008	<0.00009
2,4-Dimethylphenol	*0.49*	*1.5*	**2.1 J**	**1.23**	0.097	0.033	0.097	<0.00004	<0.00004	**5.7**	**0.58**		0.0034	0.35	0.16	<0.00029	<0.00033
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.00613**	**<0.0123**	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.00019	<0.00022
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00377**	**<0.00755**	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.00019	<0.00022
2-Chloronaphthalene	*2*	*5.8*	<0.00377	<0.00755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00038	<0.00044
2-Methylnaphthalene	*0.098*	*0.29*	**0.267**	**0.293**	0.000078 J	0.000067 J	0.0079	<0.000019	<0.000019	**0.13**	0.095	**0.17**	0.041	**0.13**	**0.16**	<0.00038	<0.00044
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0392**	**<0.0783**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.00019	<0.00056
4-Nitrophenol	*0.049*	*0.15*	<0.0264	**<0.0528**	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	0.00093 J	<0.00047	<0.0047	<0.00024	<0.00028
Acenaphthene	*1.5*	*4.4*	0.18	0.126	0.0036	0.0049	0.007	<0.000027	<0.000027	0.057	0.057	0.073	0.034	0.12	0.11	<0.00029	<0.00033
Acenaphthylene	*1.5*	*4.4*	0.00528 J	<0.00566	0.00012	0.00012	0.00015	<0.000015	<0.000015	0.00097	0.0019	0.0025	0.00074 J	0.0026	0.003 J	<0.00029	<0.00033
Anthracene	*7.3*	*22*	0.0132 J	<0.00472	0.00028	0.00035	0.00062	<0.000014	<0.000014	0.0028	0.024	0.017	0.014	0.023	0.017	<0.00019	<0.00022
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00377	<0.00755	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	**0.0094**	0.0086	0.0028	**0.0097**	0.0054 J	<0.00019	<0.00022
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00377**	**<0.00755**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**0.0045**	**0.0045**	**0.0029**	**0.0077**	**<0.002**	<0.00019	**<0.00022**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.00613**	**<0.0123**	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.00038	<0.00044
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.0175**	**<0.0349**	0.00013 J	0.00014 J	0.0002 J	<0.000055	<0.000037	<0.00011	<0.00018	<0.00037	**.0013 J**	<0.00037	<0.0037	<0.00019	<0.00022
Chrysene	*0.91*	*2*	<0.00377	<0.00755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.0086	0.0082	0.0058	0.01	0.006 J	<0.00019	<0.00022
Dibenzofuran	*0.098*	*0.29*	0.0902	0.0941	0.0021	0.0029	0.0049	<0.00002	<0.00002	0.037	0.044	0.057	0.022	0.065	0.076	<0.00029	<0.00033
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00519	<0.0104	0.000069 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.00019	<0.00022
Fluoranthene	*0.98*	*2.9*	0.00521 J	<0.0066	0.00035	0.00039	0.00049	<0.00001	<0.00001	0.00056	0.046	0.041	0.014	0.038	0.04	<0.00019	<0.00022
Fluorene	*0.98*	*2.9*	0.0864	0.0651	0.0025	0.0027	0.0039	<0.00003	<0.00003	0.027	0.046	0.052	0.024	0.07	0.078	<0.00019	<0.00022
Naphthalene	*0.49*	*1.5*	**5.86**	**5.13**	<0.00016	0.0002	0.046	0.000089 J	<0.00002	**4.5**	**2**	**0.9**	0.4	**3.1**	**3.2**	<0.00038	<0.00044
Nitrobenzene	*0.049*	*0.15*	<0.00519	<0.0104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.0024	<0.00038	<0.00044
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00472	<0.00943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0025	<0.00024	<0.00028
Pentachlorophenol	*0.001*	*0.001*	**<0.0288**	**<0.0575**	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.00019	<0.00022
Phenanthrene	*0.73*	*2.2*	0.0564	0.0519	0.00066	0.00055	0.0034	<0.000021	<0.000021	0.016	0.22	0.087	0.025	0.087	0.1	0.00026 J	<0.00022
Phenol	*7.3*	*22*	<0.00189	<0.00377	<0.000035	<0.000035	0.0001 J	<0.000035	0.00064	0.17	0.0017	0.088	<0.00035	<0.00035	<0.0035	<0.00019	<0.00022
Pyrene	*0.73*	*2.2*	<0.00519	<0.0104	0.00018	0.00029	0.00034	<0.000019	<0.000019	0.00052	0.03	0.025	0.0094	0.023	0.025	<0.00019	<0.00022
Metals																	
Arsenic	*0.01*	*0.01*			0.00163 J	0.00233	0.000922 J	0.0012 J	0.000658 J	0.00463	0.00113 J	0.000986 J	<0.000614	0.00124 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.
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*	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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
Benzene	*0.005*	*0.005*	<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
Chlorobenzene	*0.1*	*0.1*	<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
Ethylbenzene	*0.7*	*0.7*	<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
Methylene chloride	*0.005*	*0.005*	<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
Toluene	*1*	*1*	<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
Vinyl chloride	*0.002*	*0.002*									<0.00011						
Xylenes (total)	*10*	*10*	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106	<0.000108	<0.000104	<0.000109	<0.000021	<0.000021		<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	0.000083 J	<0.000298	<0.000304	<0.000292	<0.000307	<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	<0.000125	<0.000127	<0.000123	<0.000129	<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	<0.0000769	<0.0000784	<0.0000755	<0.0000792	<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	<0.0000769	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021		<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	<0.00007	<0.00007	0.00019 J	<0.00005	<0.00005	0.0039	0.000107 J	<0.0000686	0.000264 J	<0.0000693	<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	<0.00008	<0.00008	<0.000798	<0.000814	<0.000783	<0.000822	<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	<0.000538	<0.000549	<0.000528	<0.000554	<0.000047	<0.000047		<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	0.0029	<0.0000769	<0.0000784	<0.0000755	<0.0000792	<0.000027	<0.000027		<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577	<0.0000588	<0.0000566	<0.0000594	<0.000015	<0.000015		<0.000015
Anthracene	*7.3*	*22*	0.00011 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0006	<0.0000481	<0.000049	<0.0000472	<0.0000495	<0.000014	<0.000014		<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.0000972 J	<0.0000784	<0.0000755	<0.0000792	<0.00005	<0.00005		<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	0.00015 J	<0.0000784	<0.0000755	<0.0000792	<0.00002	<0.00002		<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.000127	<0.000123	<0.000129	<0.00003	<0.00003		<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0035	<0.0002	<0.0003	0.00029	<0.00077	0.00032	<0.00012	0.000512	0.000409 J	<0.000349	<0.000366	<0.000037	<0.000037		0.0001 J
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000157 J	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021		<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00025	<0.00008	<0.00008	0.00011 J	<0.00005	<0.00005	0.0024	<0.0000769	<0.0000784	0.000134 J	<0.0000792	<0.00002	<0.00002		<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000086 J	0.000194 J	0.000147 J	<0.000104	<0.000109	<0.00002	<0.00002		<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00061	<0.0000673	<0.0000686	<0.000066	<0.0000693	<0.00001	<0.00001		<0.00001
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0022	<0.0000673	<0.0000686	<0.000066	<0.0000693	<0.00003	<0.00003		<0.00003
Naphthalene	*0.49*	*1.5*	0.0003	<0.0001	<0.0004	0.0026 J	<0.00005	<0.00005	0.02	<0.0000769	0.000265 J	0.00129	0.00071	<0.000046	<0.00002		0.00018
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106	<0.000108	<0.000104	<0.000109	<0.000024	<0.000024		<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962	<0.000098	<0.0000943	<0.000099	<0.000025	<0.000025		<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	0.000921 J	<0.000598	<0.000575	<0.000604	<0.000079	<0.000079		<0.000079
Phenanthrene	*0.73*	*2.2*	0.00031	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0045	0.000164 J	<0.0000588	0.0000703 J	<0.0000594	<0.000021	<0.000021		<0.000021
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00038	<0.00005	<0.0000385	<0.0000392	<0.0000377	<0.0000396	<0.000035	<0.000035		<0.000035
Pyrene	*0.73*	*2.2*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00031	0.000138 J	<0.000108	<0.000104	<0.000109	<0.000019	<0.000019		<0.000019
Metals																	
Arsenic	*0.01*	*0.01*												0.00205		<0.0004	0.00857

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.
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*	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	MW-50A 07/17/2022	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
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
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	**0.052**	<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
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0068	<0.0003	<0.0003	<0.0003	0.061	<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
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<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
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	0.0056	<0.0003	<0.0003	<0.0003	0.061	<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	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00071	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000042	<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	<0.00006	<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	<0.000044	<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	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.00019	<0.000019	0.000037 J	<0.000019	<0.000019	<0.000019	0.016	0.000036 J	0.000035 J	<0.00004	<0.000019	<0.000019	0.000038 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	<0.000021	<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	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.00037	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.02	0.0012	0.0012	0.00091	0.0013	<0.000027	0.000088 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.000022 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00028	0.00039	0.000029 J	<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	0.0016	0.00038	0.00024	0.000078 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	<0.000052	<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	<0.000021	<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	<0.000031	<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	<0.000085	<0.000037	<0.000037	<0.000097	<0.000037	<0.000048	<0.000039	<0.000037	<0.000037	<0.000037	<0.000037	<0.0001	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00013	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.015	0.00078	0.00082	0.00058	0.00052	<0.00002	0.000065 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	0.000064 J	<0.00002	<0.00002	<0.00002	0.000038 J	0.00016 J	0.00026	<0.000053	<0.00018	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000052 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0011	0.00033 J	0.00032 J	0.00011	0.0002	<0.00001	0.0002
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00011	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.011	0.00042	0.0004	<0.00026	0.00026	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	0.00027	<0.002	<0.00014	0.00028	<0.00002	0.000082 J	<0.00002	0.31	0.000037 J	0.000062 J	<0.000064	<0.00067	<0.000025	<0.00029
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.00007	0.000081 J	0.000052 J	<0.000021	<0.000021	<0.000021	0.016	0.00096	0.00073	<0.00034	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	0.00016 J	<0.000066	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000034	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00059	0.00024	0.00021	0.000064 J	0.00014	<0.000019	0.00014
Metals																	
Arsenic	*0.01*	*0.01*	0.00134 J	0.000642 J	0.000718 J	<0.0004	<0.00135	<0.0004	<0.0004	0.000656 J	0.00372	0.00656	0.00657	0.00707	**0.0244**	0.00435	0.0095

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-50B 07/17/2022	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<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	<0.00047	<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*	<0.0003	<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
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001
Toluene	*1*	*1*	<0.0002	<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*										<0.0005		<0.00011		<0.00011	
Xylenes (total)	*10*	*10*	<0.0003	<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*	<0.000021	<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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<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
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<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
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<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
Acenaphthene	*1.5*	*4.4*	<0.000027	<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
Acenaphthylene	*1.5*	*4.4*	<0.000015	<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
Anthracene	*7.3*	*22*	<0.000014	<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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<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
Chrysene	*0.91*	*2*	<0.000021	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<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
Fluoranthene	*0.98*	*2.9*	<0.00001	<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
Fluorene	*0.98*	*2.9*	<0.00003	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
Naphthalene	*0.49*	*1.5*	<0.00002	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
Nitrobenzene	*0.049*	*0.15*	<0.000024	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<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
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<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
Phenanthrene	*0.73*	*2.2*	<0.000021	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
Phenol	*7.3*	*22*	<0.000035	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
Pyrene	*0.73*	*2.2*	<0.000019	<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
Metals																	
Arsenic	*0.01*	*0.01*	0.00165 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-51A 03/28/2018	MW-51A 05/24/2018	MW-51A 01/10/2019	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-51C 07/24/2014	MW-51C 01/29/2018	MW-51C 03/28/2018	MW-51C 05/24/2018	MW-51C 01/10/2019
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	<0.00014	<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	0.000104 J	<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	<0.00012	<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	<0.00011	<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	<0.00015	<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	<0.00015	<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	<0.00026	<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	<0.000022	<0.000021	<0.000021	<0.000021	<0.000104	<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	<0.000041	<0.00004	<0.00004	<0.00004	<0.000292	<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	<0.000059	<0.000058	<0.000058	<0.000058	<0.000123	<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	<0.000043	<0.000042	<0.000042	<0.000042	<0.0000755	<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	<0.000022	<0.000021	<0.000021	<0.000021	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	0.000067 J	<0.000044	<0.000019	0.000064 J	<0.000019	0.00011	<0.000019	<0.000066	<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	<0.000021	<0.00002	<0.00002	<0.00002	<0.000783	<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	<0.000048	<0.000047	<0.000047	<0.000047	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.00004	<0.000027	0.000098 J	<0.000027	0.000055 J	<0.000027	<0.0000755	<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	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000063	0.000015 J	0.000052 J	<0.000014	<0.000014	0.000038 J	<0.0000472	<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	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000022 J	<0.00002	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000755	<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	<0.000031	<0.00003	<0.00003	<0.00003	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000069 J	0.000069 J	0.000078 J	0.00013 J	<0.00014	<0.000042	0.000068 J	<0.00019	0.000074 J	<0.000037	0.00111	<0.000037	<0.000037	0.000073 J	0.00013 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	0.00005 J	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.00003 J	<0.000049	<0.00002	0.00009 J	<0.00002	0.00006 J	<0.00002	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000025 J	<0.00002	<0.00002	0.000034 J	<0.000036	<0.000076	0.000059 J	<0.00002	<0.00002	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	0.00013	<0.000028	0.00014	0.000061 J	<0.00001	<0.00001	<0.000066	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.000043	<0.00003	0.0001 J	<0.00003	<0.00003	<0.00003	<0.000066	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00023	0.000087 J	0.00012	0.00055	<0.00032	<0.00002	0.00023	<0.00002	<0.00046	0.000065 J	0.000553	<0.0002	<0.00021	0.00029	0.00017
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	0.000026 J	<0.00021	<0.000021	0.00031	<0.000021	0.000063 J	<0.000021	<0.0000566	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.00019 J	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	0.000628	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000083	0.000043 J	0.000096 J	0.000046 J	<0.000019	<0.000019	<0.000104	<0.000019	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	<0.0004	<0.0004	0.00188 J	0.000588 J	0.00125 J	0.000803 J	0.00471	0.00516		0.000614 J	0.0004 J	<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-51C 07/19/2019	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-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	MW-53C 02/09/2012
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<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	<0.00025	<0.00025	<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	<0.00047	<0.00047	<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	<0.00025	<0.00025	<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	<0.00054	<0.00054	<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	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<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	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	0.000032 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.00007 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00033	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<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
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000055	<0.00015	<0.000019	<0.000019	<0.000045	<0.000019	<0.00038	<0.00044	<0.00007	0.000071 J	<0.00007	<0.00007	<0.00005	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	<0.00019	<0.00022	<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	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000094	0.00033	0.00045	0.00011	<0.000027	<0.000027	<0.00029	<0.00033	<0.00009	0.0002	0.00032	<0.00009	0.00032	0.0002 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<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
Anthracene	*7.3*	*22*	<0.000014	<0.0001	0.00045	0.000059 J	<0.000014	<0.000014	<0.000014	0.000569	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000079 J	<0.000085	<0.000051	0.000087 J	<0.000075	0.000065 J	<0.000037	<0.00019	0.00026 J	0.00072	<0.00024	<0.00032	0.00037	<0.00014	<0.0001
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.00005 J	0.000051	<0.000021	<0.000021	<0.000021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00011	0.00032	0.00017	<0.00002	<0.00002	<0.00002	<0.00029	<0.00033	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.000076	0.000031 J	<0.00002	<0.00002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00018	0.0011	0.0012	0.00014	<0.00001	<0.00001	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00011	0.00049	0.0003	0.000077 J	<0.00003	<0.00003	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	0.00023	<0.0003	<0.00061	0.0002	<0.000084	<0.00027	0.000061 J	0.00075	0.00161	0.0012	<0.00027	<0.0001	0.00015 J	<0.00005	0.00066
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<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
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00022	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.00056	0.0027	0.00011	0.00011	<0.000021	<0.000021	0.00043 J	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Phenol	*7.3*	*22*	0.00027	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	0.00027 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	<0.00011	0.00062	0.00082	0.00012	<0.000019	<0.000019	0.00039 J	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Metals																	
Arsenic	*0.01*	*0.01*	<0.0004	0.000452 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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
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
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
Ethylbenzene	*0.7*	*0.7*	<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*	<0.001	<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*	<0.0005	<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										
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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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
2,4-Dimethylphenol	*0.49*	*1.5*	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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
2-Chloronaphthalene	*2*	*5.8*	<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
2-Methylnaphthalene	*0.098*	*0.29*	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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
4-Nitrophenol	*0.049*	*0.15*	<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
Acenaphthene	*1.5*	*4.4*	<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
Acenaphthylene	*1.5*	*4.4*	<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
Anthracene	*7.3*	*22*	<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
Benzo(a)anthracene	*0.0091*	*0.02*	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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
Chrysene	*0.91*	*2*	<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
Dibenzofuran	*0.098*	*0.29*	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.0000673	<0.00007	<0.000333	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000071 J	0.000072 J	0.000012 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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
Naphthalene	*0.49*	*1.5*	<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
Nitrobenzene	*0.049*	*0.15*	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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
Pentachlorophenol	*0.001*	*0.001*	<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
Phenanthrene	*0.73*	*2.2*	<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
Phenol	*7.3*	*22*	<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
Pyrene	*0.73*	*2.2*	<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
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

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-53C 07/20/2022	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	MW-54C 01/28/2018
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.0002
Benzene	*0.005*	*0.005*	<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	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003
Methylene chloride	*0.005*	*0.005*	<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	<0.001
Toluene	*1*	*1*	0.00063 J	<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	<0.0002
Vinyl chloride	*0.002*	*0.002*														<0.00011	
Xylenes (total)	*10*	*10*	0.0011	<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	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<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	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	**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	0.00048
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	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	0.023
Acenaphthylene	*1.5*	*4.4*	<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	0.00034
Anthracene	*7.3*	*22*	<0.000014	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	0.0015
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	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	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.000055 J
Chrysene	*0.91*	*2*	<0.000021	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	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	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	0.025
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	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	0.0023
Fluorene	*0.98*	*2.9*	<0.00003	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	0.011
Naphthalene	*0.49*	*1.5*	<0.00002	**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	0.022
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	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	0.0023
Phenol	*7.3*	*22*	<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	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	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	0.0012
Metals																	
Arsenic	*0.01*	*0.01*	0.000568 J														0.00128 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-57A 02/05/2009
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	<0.0005
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	**0.26**
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	<0.0005
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	0.34
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	<0.0005
Toluene	*1*	*1*	<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	0.63
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0014	0.0012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.92
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	<0.0001
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	**1.8**
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	<0.00009
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	<0.00007
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	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	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	**0.73**
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	<0.00008
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	<0.00007
Acenaphthene	*1.5*	*4.4*	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	0.24
Acenaphthylene	*1.5*	*4.4*	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	0.0056
Anthracene	*7.3*	*22*	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	0.044
Benzo(a)anthracene	*0.0091*	*0.02*	<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	**0.011**
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	**0.0045**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00011 J	0.000096 J	<0.000037	<0.00018	<0.000037	<0.000037	<0.00012	<0.00015	0.000056 J	<3.7E-05, J	<0.000037	0.000092 J	0.00012 J	0.002
Chrysene	*0.91*	*2*	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	0.0094
Dibenzofuran	*0.098*	*0.29*	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	**0.21**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00007
Fluoranthene	*0.98*	*2.9*	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	0.054
Fluorene	*0.98*	*2.9*	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	0.083
Naphthalene	*0.49*	*1.5*	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	**16**
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	<0.00009
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	<0.00009
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	<0.00008
Phenanthrene	*0.73*	*2.2*	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	0.22
Phenol	*7.3*	*22*	<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	0.052
Pyrene	*0.73*	*2.2*	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	0.038
Metals																	
Arsenic	*0.01*	*0.01*	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	

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	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	MW-57A 01/08/2020	MW-57A 07/15/2020	MW-57A 01/20/2021	MW-57A 07/22/2021
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0025	<0.005	<0.005	**<0.01**	**<0.01**	<0.0005	<0.0014	**<0.007**	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.17**	**0.47**	**0.23**	**0.084**	**0.14**	**0.064**	**0.138**	**0.137**	**0.109**	**0.0412**	0.00057 J	**0.038**	0.0019	**0.0065**	0.0011
Chlorobenzene	*0.1*	*0.1*	<0.0025	<0.005	<0.005	<0.01	<0.01	<0.0005	<0.0012	<0.006	0.000465 J	0.000625 J	<0.0003	0.00046 J	0.00045 J	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.32	0.45	0.29	0.13	0.22	0.17	0.24	0.283	0.198	0.274	0.00085 J	0.015	0.0015	0.0029	0.0012
Methylene chloride	*0.005*	*0.005*	<0.0025	**0.014 J**	<0.005	**<0.013**	**<0.013**	<0.001	0.00367 J	**<0.0075**	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.13	0.86	0.38	0.055	0.23	0.1	0.244	0.308	0.198	0.0355	<0.0002	0.01	0.00033 J	0.0032	0.00043 J
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	<0.0002	<0.0002		
Xylenes (total)	*10*	*10*	0.6	1.2	0.68	0.19	0.4	0.33	0.591	0.572	0.454	0.455	<0.0003	0.026	0.0021	0.0064	0.0018
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	0.0005 J	<0.0001	<0.0005	<0.0005	<0.0005	**<0.075**	**<0.0267**	**<0.0259**	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**3**	**2.7 J**	**2**	**1**	**1.7**	0.2	**1.62**	**0.994**	**7.91 J**	0.0443 J	<0.00059	0.41	<0.00004	0.058	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	**<0.0886**	**<0.0316**	**<0.0307**	<0.000129	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	0.00035 J	<0.00007	<0.0006	<0.0006	<0.0006	**<0.0545**	**<0.0194**	**<0.0189**	<0.0000792	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	0.0005 J	<0.0001	<0.0005	<0.0005	<0.0005	<0.0545	<0.0194	<0.0189	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.89**	**3.5 J**	**3.5**	**13**	**1.9**	**3.1**	**13.9**	**1.5**	**8.24**	**0.616**	**0.19**	**0.18**	**0.15**	**0.18**	**0.11**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	0.0004 J	<0.00008	<0.0008	<0.0008	<0.0008	**<0.566**	**<0.201**	**<0.196**	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	0.00035 J	<0.00007	<0.0005	<0.0005	<0.0005	**<0.382**	**<0.136**	**<0.132**	<0.000554	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.31	**2 J**	**1.9**	**8.6**	1.2	**1.8**	**8.56**	0.997	**5.69**	0.335	0.099	0.19	0.084	0.097	0.061
Acenaphthylene	*1.5*	*4.4*	0.0061	0.02 J	0.022	0.091	0.014	0.024	<0.0409	<0.0146	<0.0142	0.00779	0.0019	0.0025	0.0011	0.0017	0.00091
Anthracene	*7.3*	*22*	0.022	0.9 J	0.62	**8.4**	0.34	0.55	3.09	0.337	2.02	0.0557	0.0084	0.048	0.013	0.014	0.0093
Benzo(a)anthracene	*0.0091*	*0.02*	0.00051	**0.15 J**	**0.12**	**0.45**	**0.047**	**0.074**	**0.605**	**0.0521 J**	**0.361**	0.0072	0.001	0.0036	0.00079	0.00078	0.0003
Benzo(a)pyrene	*0.0002*	*0.0002*	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**	**0.0011**	**0.00033**	**0.00022**	0.00013
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	**<0.0886**	**<0.0316**	**<0.0307**	**0.0021**	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0004	0.001 J	<0.0002	<0.001	0.0016 J	<0.001	**<0.252**	**<0.0898**	**<0.0873**	<0.000808	0.00021	<0.00037	<0.000037	<0.00017	<0.000037
Chrysene	*0.91*	*2*	0.00034	0.14 J	0.11	0.53	0.046	0.089	0.602	0.0482 J	0.36	0.00625	0.001	0.003	0.00073	0.00059	0.00031
Dibenzofuran	*0.098*	*0.29*	**0.17**	**1.9 J**	**1.7**	**8.6**	**0.86**	**1.7**	**7.28**	**0.799**	**4.69**	**0.257**	0.076	**0.15**	0.067	0.086	0.054
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	0.00035 J	<0.00007	<0.0005	<0.0005	<0.0005	<0.075	<0.0267	<0.0259	<0.000109	<0.00002	<0.00002	<0.00002	<0.000066	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0063	**1.4 J**	**0.99**	**6**	0.48	0.74	**4.98**	0.412	**3.19**	0.0561	0.0091	0.038	0.0075	0.0096	0.006
Fluorene	*0.98*	*2.9*	0.11	**1.6 J**	**1.4**	**7.9**	0.72	**1.4**	**6.54**	0.713	**4.16**	0.21	0.059	0.13	0.056	0.065	0.048
Naphthalene	*0.49*	*1.5*	**7.4**	**20 J**	**18**	**71**	**9.2**	**22**	**60.7**	**13.5**	**56.9**	**7.27**	**0.61**	**1**	0.2	**0.81**	0.15
Nitrobenzene	*0.049*	*0.15*	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	**<0.075**	<0.0267	<0.0259	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	0.00045 J	<0.00009	<0.0005	<0.0005	<0.0005	<0.0682	<0.0243	<0.0236	<0.000099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	0.0004 J	<0.00008	<0.0005	<0.0005	<0.0005	**<0.416**	**<0.148**	**<0.144**	<0.000604	0.00059	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.088	**4 J**	**3.5**	**13**	**2**	**3**	**17**	**1.61**	**13.1**	0.271	0.059	0.17	0.065	0.078	0.054
Phenol	*7.3*	*22*	0.0099	0.042 J	0.02	<0.0005	0.0089	<0.0005	<0.0273	<0.00971	<0.00943	<0.0000396	<0.00016	0.0049	<0.000035	0.0012	<0.000092
Pyrene	*0.73*	*2.2*	0.0037	**0.84 J**	0.67	**3.3**	0.34	0.42	**3.12**	0.264	**2.29**	0.0308 J	0.0055	0.025	0.0047	0.0052	0.0033
Metals																	
Arsenic	*0.01*	*0.01*											0.00447	**0.0545**	**0.0488**	**0.0599**	**0.0423**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-57A 01/26/2022	MW-57A 03/25/2022	MW-57A 07/12/2022	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0025	<0.0025	<0.0025	<0.0025	<0.005	**<0.01**	<0.0005	<0.00014	<0.00014	<0.00014	<0.0014	<0.0002
Benzene	*0.005*	*0.005*	0.002	**0.0083**	0.0015	**0.052**	**0.038**	**0.075**	**0.034**	<0.005	**0.12**	**0.16**	**0.0943**	0.0000807 J	<0.00008	**0.259**	0.0048
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0025	0.0093 J	0.01 J	0.0029 J	<0.005	<0.01	0.0018 J	0.00295	<0.00012	<0.00012	<0.0012	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.00076 J	0.0021	0.00066 J	0.079	0.063	0.11	0.03	<0.0055	0.085	0.099	0.0648	<0.00011	<0.00011	0.167	0.0066
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.0025	<0.0025	<0.0048	<0.0025	**<0.0065**	**<0.013**	<0.001	<0.00015	<0.00015	<0.00015	<0.0015	<0.001
Toluene	*1*	*1*	<0.0002	0.00094 J	<0.0002	0.022 J	0.02 J	0.045	0.0059 J	<0.005	0.043 J	0.041	0.0176	<0.00015	<0.00015	0.135	0.00091 J
Vinyl chloride	*0.002*	*0.002*					**<0.0025**		**<0.0025**	**<0.005**		**0.011**	**0.00281**	<0.00011	<0.00011	**0.0101 J**	<0.0002
Xylenes (total)	*10*	*10*	0.0019	0.0047	0.0021	0.1	0.04 J	0.15	0.029 J	<0.016	0.23	0.31	0.122	<0.00026	<0.00026	0.352	0.012
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.00021	<0.0001	<0.0001	0.0001 J	<0.0001	<0.00005	<0.00005	<0.00005	**<0.01**	<0.00011	<0.000104	**<0.00539**	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.025	0.11	0.029	0.047	0.097	**0.61**	**0.68**	<0.00005	**1.1**	**2.4**	**0.95**	<0.00031	<0.000292	**9.19**	0.0015 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	<0.00058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0118**	<0.00013	<0.000123	**<0.00637**	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.00042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00727**	<0.00008	<0.0000755	**<0.00392**	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.00021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00727	<0.00008	<0.0000755	<0.00392	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.6**	**2**	**0.15**	**0.22**	**0.1**	**0.21**	0.057	<0.00005	0.082	0.0076	**0.243**	<0.00007	<0.000066	**0.373**	0.038
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.0002	<0.00008	<0.00008	0.00008 J	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0755**	<0.00083	<0.000783	**<0.0407**	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.00047	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005	**<0.0509**	<0.00056	<0.000528	<0.0275	<0.00047
Acenaphthene	*1.5*	*4.4*	0.42	**1.6**	0.22	0.31	0.18	0.28	0.12	<0.00005	0.16	0.057	0.205	<0.00008	<0.0000755	0.221	0.1
Acenaphthylene	*1.5*	*4.4*	0.0069	0.029	0.0048	0.0012	0.0013	0.0015	0.00072	<0.00005	0.0011	0.0011	<0.00545	<0.00006	<0.0000566	0.00996 J	0.0012
Anthracene	*7.3*	*22*	0.24	0.84	0.16	0.0045	0.0098	0.017 J	0.0051	0.00039	0.0055	0.0069	0.0245 J	<0.00005	<0.0000472	0.0126 J	0.0055
Benzo(a)anthracene	*0.0091*	*0.02*	**0.034**	**0.13**	**0.024**	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005	0.00072	<0.00727	<0.00008	<0.0000755	<0.00392	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0074**	**0.042**	**0.0095**	<0.00008	<0.00008	0.00008 J	<0.00008	<0.00005	<0.00005	**0.00027**	**<0.00727**	<0.00008	<0.0000755	**<0.00392**	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.0003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**0.0321 J**	<0.00013	<0.000123	**<0.00637**	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	0.00064 J	0.0003	<0.0002	0.00046 J	0.00035	0.00071	<0.0001	<0.00094	**<0.0336**	<0.00037	<0.000349	**<0.0181**	<0.00037
Chrysene	*0.91*	*2*	0.035	0.14	0.024	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005	0.0011	<0.00727	<0.00008	<0.0000755	<0.00392	<0.00021
Dibenzofuran	*0.098*	*0.29*	**0.37**	**1.4**	0.081	**0.23**	**0.14**	**0.23**	0.079	0.0017	**0.13**	0.0088	**0.128**	<0.00008	<0.0000755	**0.136**	0.036
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.0002	0.0012	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.01	<0.00011	<0.000104	<0.00539	<0.0002
Fluoranthene	*0.98*	*2.9*	0.32	**1.5**	0.28	0.0025	0.0058	0.009 J	0.0049	0.001	0.0036	0.0099	0.0102 J	<0.00007	<0.000066	<0.00343	0.0065
Fluorene	*0.98*	*2.9*	0.37	**1.5**	0.15	0.15	0.12	0.16	0.065	<0.00005	0.08	0.027	0.12	<0.00007	<0.000066	0.109	0.084
Naphthalene	*0.49*	*1.5*	**2.2**	**7.5**	0.17	**2.4**	**0.67**	**1.5**	0.45	<0.00005	**2.2**	0.068	**2.96 J**	0.00036 J	<0.0000755	**4.05**	0.0037
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.01	<0.00011	<0.000104	<0.00539	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.00025	<0.00009	<0.00009	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	<0.00909	<0.0001	<0.0000943	<0.0049	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	<0.00079	<0.00008	<0.00008	0.00008 J	<0.00008	<0.00005	<0.00005	0.00017 J	**<0.0555**	<0.00061	<0.000575	**<0.0299**	<0.00079
Phenanthrene	*0.73*	*2.2*	**0.92**	**3.5**	0.32	0.041	0.049	0.061 J	0.037	<0.00005	0.039	0.036	0.0563	<0.00006	<0.0000566	0.0702	0.024
Phenol	*7.3*	*22*	<0.00035	0.12	<0.00035	0.00029	0.0074	0.0065 J	0.00037	0.000077 J	0.0038	0.00074	<0.00364	<0.00004	<0.0000377	<0.00196	0.00054 J
Pyrene	*0.73*	*2.2*	0.2	**0.78**	0.16	0.0012	0.0034	0.0042 J	0.0022	0.00073	0.0022	0.0069	<0.01	<0.00011	<0.000104	<0.00539	0.0031
Metals																	
Arsenic	*0.01*	*0.01*	**0.0413**	**0.0443**	**0.0157**												0.000713 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-59A 02/05/2009	MW-59A 01/20/2010	MW-59A 06/24/2010	MW-59A 01/20/2011
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	<0.0005	<0.0005	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	**0.012**	**0.012**	0.0011	0.0049	**0.0053**	0.003	0.0014	0.0018	0.0016	**0.017**	**0.0092**	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	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	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.038	0.035	0.0032	0.017	0.0098	0.0029	0.0032	0.0039	0.00079 J	0.0048	0.00056 J	<0.0005	<0.0005	<0.0005	<0.0005
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	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	*1*	*1*	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	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002									
Xylenes (total)	*10*	*10*	0.068	0.015	0.005	0.028	0.028	0.011	0.006	0.0081	0.0052	0.0098	0.0053	<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	<0.0001	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.00053	<0.00004	0.0001 J	<0.00004	<0.00004	0.00067	0.00023	0.00015 J	<0.00004	0.012	<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	<0.00009	<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	<0.00007	<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	0.000066 J	<0.00012	<0.0001	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.045	**0.14**	0.000072 J	0.015	0.08	0.048	0.022	0.0057	0.016	0.027	0.0088	<0.00007	<0.00007	0.0002	0.0018
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	<0.00008	<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	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.17	0.19	0.023	0.11	0.27	0.082	0.18	0.027	0.074	0.063	0.089	<0.00009	<0.00009	0.0003	0.00079
Acenaphthylene	*1.5*	*4.4*	0.001	0.0017	0.00038	0.00087	0.0015	0.0009	0.0011	0.00019	0.00045	<0.000015	0.00073	<0.00006	<0.00007	<0.00007	<0.00007
Anthracene	*7.3*	*22*	0.008	0.011	0.002	0.062	0.018	0.0069	0.0064	0.0024	0.0036	0.0046	0.0054	<0.00007	<0.00007	0.00026	0.0004
Benzo(a)anthracene	*0.0091*	*0.02*	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	<0.00007	<0.00007	<0.00007	0.00015 J
Benzo(a)pyrene	*0.0002*	*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	<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	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000098 J	<0.00007	<0.000037	<0.00011	<0.000037	<0.00015	0.000065 J	<0.000037	0.0016	0.00046	0.0006	<0.00065	<0.00023	<0.00031
Chrysene	*0.91*	*2*	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	<0.00007	<0.00007	<0.00007	0.00014 J
Dibenzofuran	*0.098*	*0.29*	0.08	0.091	0.013	0.059	**0.13**	0.047	0.08	0.011	0.0091	0.0098	0.0043	<0.00008	<0.00008	0.0007	0.00099
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	0.00077	<0.00007	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	0.0074	0.0067	0.002	0.02	0.0099	0.0076	0.0073	0.0023	0.0033	0.0037	0.0049	<0.00007	<0.00007	0.0005	0.0012
Fluorene	*0.98*	*2.9*	0.096	0.12	0.015	0.15	0.19	0.083	0.12	0.02	0.054	0.043	0.055	<0.00007	<0.00007	0.00045	0.00084
Naphthalene	*0.49*	*1.5*	**0.95**	0.32	0.00042	0.46	**1.2**	0.35	0.059	0.092	0.18	0.32	0.014	<0.0001	<0.0001	0.00047	0.0066
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	0.001	<0.00009	<0.00009	<0.00009	<0.00009
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	<0.00009	<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	<0.00008	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.042	0.038	0.0038	0.036	0.062	0.037	0.028	0.0082	0.025	0.015	0.023	<0.00007	<0.00007	0.0017	0.0024
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.000074 J	<0.000035	<0.000035	0.00023	<0.000035	<0.000035	<0.000035	0.02	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	0.0039	0.0036	0.00088	0.0099	0.005	0.0034	0.0034	0.0012	0.0014	0.0017	0.002	<0.00007	<0.00007	0.00029	0.00059
Metals																	
Arsenic	*0.01*	*0.01*	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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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
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
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
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
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
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	0.0021	<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	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000108	<0.000104	<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*	0.000066 J	<0.00005	<0.00005	<0.000292	<0.000304	<0.000292	<0.000307	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	0.00016 J	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000127	<0.000123	<0.000129	<0.000058	<0.000059	<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	<0.0000784	<0.0000755	<0.0000792	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000686	<0.0000902	<0.0000693	0.00011	<0.000019	<0.000019	<0.000019	0.000036 J	<0.00016	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.000783	<0.000814	<0.000783	<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	<0.000528	<0.000549	<0.000528	<0.000554	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000831	<0.0000792	0.0001	<0.000028	<0.000027	<0.000027	<0.000027	<0.00029	<0.000027	<0.000071
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000588	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<0.0000472	0.0000519 J	0.000119 J	<0.0000495	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000027	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.00005	<0.000051	<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	<0.0000784	<0.0000755	<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	<0.000123	<0.000127	<0.000123	<0.000129	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00054	0.00015 J	<0.0001	<0.000349	<0.000363	<0.000349	<0.000366	0.000094 J	<0.000038	<0.000037	<0.000037	<0.00005	<0.000037	<0.000037	<0.000096
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000784	<0.000136	<0.0000792	0.00017	<0.00002	<0.00002	<0.00002	<0.00002	<0.00016	<0.00002	<0.00007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.000075	<0.000104	0.000169 J	0.000178 J	<0.000109	<0.00002	<0.00002	<0.00002	<0.00002	0.000064 J	<0.00002	<0.00002	<0.000025
Fluoranthene	*0.98*	*2.9*	<0.00012	<0.00005	<0.00005	<0.000066	<0.0000686	0.000199 J	<0.0000693	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000032	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000686	0.000176 J	<0.0000693	0.00011	<0.000031	<0.00003	<0.00003	<0.00003	<0.00011	<0.00003	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00005	<0.00005	0.000051 J	<0.0000755	<0.0000784	<0.000381	0.000219 J	0.00068	<0.00002	<0.00002	<0.00002	<0.00012	<0.0012	0.00017	<0.00007
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000108	<0.000104	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000943	<0.000098	<0.0000943	<0.000099	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000575	<0.000598	<0.000575	<0.000604	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00018	<0.00005	<0.00005	<0.0000566	0.000075 J	<0.000587	<0.0000594	0.00018	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	0.00007 J	<0.000022
Phenol	*7.3*	*22*	<0.00005	<0.00005	0.000065 J	<0.0000377	<0.0000392	<0.0000377	<0.0000396	<0.000035	<0.000036	0.000089 J	<0.000035	0.000058 J	<0.000035	0.000097 J	0.000036 J
Pyrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000108	0.00012 J	<0.000109	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000023	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*								0.00181 J	0.00131 J	**0.0101**	0.00243	0.00455	0.00368	0.00172 J	0.0015 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-59A 07/19/2021	MW-59A 01/12/2022	MW-59A 07/18/2022	MW-59D 02/05/2009	MW-59D 02/05/2009 Duplicate	MW-59D 01/20/2010	MW-59D 01/20/2010 Duplicate	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0011	<0.0011	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	0.0011 J	0.0014 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	0.00064 J	0.0007 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005
Vinyl chloride	*0.002*	*0.002*														<0.001	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0031	<0.0031	<0.0015
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00005 J	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00012	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.000069 J	<0.000019	0.00015 J	0.0003	<0.00007	<0.00007	<0.00007	<0.00007	0.00046	<0.00005	<0.00005	<0.00005	<0.00005	0.000071 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<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	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00013	<0.000027	0.00015 J	0.00014 J	<0.00009	<0.00009	<0.00009	<0.00009	0.00095	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.00006	<0.00006	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<0.000014	0.000037 J	<0.000014	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	0.00069	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	0.00027	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000056 J	<0.000046	0.006	0.0055	<0.00023	<0.00087	<0.00031	<0.00049	<0.0015	0.0011	0.0018	<0.00094	<0.00068	<0.00014
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	0.00024	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000061 J	<0.00002	0.00014 J	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.0011	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000021 J	0.0029	0.0023	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00011	<0.00001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	0.0018	<0.00005	<0.00005	<0.00005	0.000075 J	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	0.00011	<0.00003	0.00013 J	0.00012 J	<0.00007	<0.00007	<0.00007	<0.00007	0.00079	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	0.000087 J	<0.0003	0.000028 J	0.0019	0.0029	<0.0001	<0.0001	<0.00022	<0.0001	0.0034	<0.00005	<0.00005	<0.00005	<0.000064	<0.00036
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00023	<0.000021	0.0002	0.00025	<0.00007	<0.00007	<0.00007	<0.00007	0.0037	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00014 J	0.000087 J	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	0.000074 J	<0.000019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	0.0011	<0.00005	<0.00005	<0.00005	0.000054 J	<0.00005
Metals																	
Arsenic	*0.01*	*0.01*	0.0026	0.00565	**0.012**												

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	0.000135 J	0.000114 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00012	<0.00012	<0.00012	<0.00018	<0.00018	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00011	<0.00011	<0.00011	<0.00019	<0.00019	<0.00011	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00015	<0.00015	<0.00022	<0.00022	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00015	<0.00015	<0.00015	<0.00017	<0.00017	0.000258 J	0.000249 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*	<0.00026	<0.00026	<0.00026	<0.00026	<0.00058	<0.00058	<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*	<0.000105	<0.000105	<0.00011	<0.00011	<0.000104	<0.000104	<0.00011	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000295	<0.000295	<0.00031	<0.00031	<0.000292	<0.000292	<0.00031	<0.00031	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000124	<0.000124	<0.00013	<0.00013	<0.000123	<0.000123	<0.00013	<0.00013	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.0000667	<0.0000667	0.00016 J	0.00007 J	<0.000066	<0.000066	0.000334 J	0.00007 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000083 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00079	<0.00079	<0.00083	<0.00083	<0.000783	<0.000783	<0.00083	<0.00083	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000533	<0.000533	<0.00056	<0.00056	<0.000528	<0.000528	<0.00056	<0.00056	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00012	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0000571	<0.0000571	<0.00006	<0.00006	<0.0000566	<0.0000566	<0.00006	<0.00006	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0000476	<0.0000476	<0.00005	<0.00005	<0.000425	<0.0000472	<0.00005	<0.00005	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000024 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000124	<0.000124	<0.00013	<0.00013	<0.000123	<0.000123	<0.00013	<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*	<0.000352	0.000538	0.000805 J	0.000812 J	0.000425 J	0.000364 J	0.00306 J	0.00598 J	0.000063 J	0.000054 J	<0.000037	0.000095 J	0.00024	0.00026	<0.000037
Chrysene	*0.91*	*2*	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.0000762	<0.0000762	<0.00008	<0.00008	<0.0000755	<0.0000755	<0.00008	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	0.000092 J	0.00024 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000105	<0.000105	<0.00011	<0.00011	<0.000825	<0.000827	<0.00011	<0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0000667	<0.0000667	<0.00007	<0.00007	0.0000789 J	0.0000746 J	0.00018 J	0.00007 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0000667	<0.0000667	<0.00007	<0.00007	<0.000066	0.0000688 J	<0.00007	<0.00007	<0.00003	<0.00003	<0.00003	<0.00003	0.000064 J	0.00017 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0000762	<0.0000762	0.00226 J	0.00008 J	<0.000727	<0.000796	0.00576 J	0.00008 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000105	<0.000105	<0.00011	<0.00011	<0.000104	<0.000104	<0.00011	<0.00011	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000952	<0.0000952	<0.0001	<0.0001	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000581	<0.000581	<0.00061	<0.00061	<0.000575	<0.000575	<0.00061	<0.00061	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.0000571	<0.0000571	<0.00006	<0.00006	<0.000455	<0.000464	0.00018 J	0.0000608 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00018	<0.000021
Phenol	*7.3*	*22*	<0.0000381	<0.0000381	<0.00004	<0.00004	<0.0000377	<0.0000377	<0.00004	<0.00004	<0.000035	<0.000035	<0.000035	<0.000035	0.00063 J	0.00097 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.000105	<0.000105	<0.00011	<0.00011	<0.000104	<0.000104	0.000131 J	<0.00011	<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	<0.0004	0.00111 J	0.00101 J	0.000765 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-59D 01/26/2022	MW-59D 01/26/2022 Duplicate	MW-59D 07/27/2022	MW-59D 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
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
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
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
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
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
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
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	0.000093 J	<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	<0.00013	<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
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
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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000058 J	0.000019 J	<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
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
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000036	<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*	<0.000015	<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	<0.000014	<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
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
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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00025	0.00025	<0.00019	<0.00015	0.00012 J	0.000058 J	0.000081 J	0.000075 J	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.000028	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000047	<0.00005	<0.00002	<0.00002	0.000046 J	<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
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00013	<0.00002	<0.000099	<0.000049	<0.00002	<0.000047	<0.00066	<0.00021	<0.00002	<0.00002	<0.00002	0.000084 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<2.4E-05 J	0.00013 J	0.000068 J	<2.4E-05 J	<0.000024	<0.000024	<0.000024	<0.000024
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
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
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000043	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000093 J
Phenol	*7.3*	*22*	<0.000035	0.00011 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000043 J	<0.00005	<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	<0.000019	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	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	0.00172 J	0.00149 J	0.000721 J	0.000622 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005		<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005		<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<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*	<0.0005	<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*				<0.0005	<0.001	<0.001	<0.0005		<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002
Xylenes (total)	*10*	*10*	<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	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00038	<0.000106	<0.000105	<0.000104	<0.000104	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.001	<0.00018	<0.000298	<0.000295	<0.000292	<0.000292	<0.00004	<0.000041	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00032	<0.000125	<0.000124	<0.000123	<0.000123	<0.000058	<0.000059	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00029	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.000042	<0.000043	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00019	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00028	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0021	0.000146 J	<0.0000673	<0.0000667	0.000143 J	0.000516	<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	<0.00008	<0.00008	<0.00016	<0.000798	<0.00079	<0.000783	<0.000783	<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	<0.00033	<0.000538	<0.000533	<0.000528	<0.000528	<0.000047	<0.000048	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00045	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	0.0012	<0.00016	<0.0000769	<0.0000762	0.000157 J	0.000167 J	<0.000027	<0.000028	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00016	<0.0000577	<0.0000571	<0.0000566	<0.0000566	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00034	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00027	<0.00044	<0.0000481	0.0000883 J	0.000158 J	<0.0000472	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00025	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.00005	<0.000051	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00013	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00019	<0.000125	<0.000124	<0.000123	<0.000123	<0.00003	<0.000031	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.002	<0.0025	<0.0002	0.0031	<0.00017	0.00023	<0.0001	<0.00059	<0.000356	<0.000352	<0.000349	<0.000349	<0.000037	<0.000038	0.000076 J
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00024	<0.0000769	<0.0000762	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00035	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00099	<0.00016	<0.0000769	<0.0000762	0.000145 J	0.000116 J	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.0023	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000076	<0.00187	<0.000106	<0.000105	<0.000104	<0.000104	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00039	<0.00007	0.0003	0.00029	<0.00005	0.00028	0.0003	<0.00031	<0.0000673	<0.0000667	0.0000894 J	<0.000066	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.00044	<0.00007	<0.00007	<0.00007	<0.00005	0.00016 J	0.00089	<0.00012	<0.0000673	<0.0000667	0.000162 J	<0.000066	<0.00003	0.000054 J	<0.00003
Naphthalene	*0.49*	*1.5*	0.0095	<0.0001	0.0015	<0.0001	<0.00005	<0.00005	0.025	0.00043 J	<0.0000769	<0.0000762	0.000668 J	0.00653	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0002	<0.000106	<0.000105	<0.000104	<0.000104	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00033	<0.0000962	<0.0000952	<0.0000943	<0.0000943	<0.000025	<0.000026	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00096	<0.000587	<0.000581	<0.000575	<0.000575	<0.000079	<0.000081	<0.000079
Phenanthrene	*0.73*	*2.2*	0.0011	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0015	<0.00029	<0.0000577	<0.0000571	0.000345 J	<0.0000566	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000275 J	<0.0000385	<0.0000381	<0.0000377	<0.0000377	<0.000035	<0.000036	<0.000035
Pyrene	*0.73*	*2.2*	0.00029	<0.00007	0.0002 J	0.00079	<0.00005	0.0013	0.00033	<0.00033	<0.000106	<0.000105	<0.000104	<0.000104	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*													0.000649 J	0.000706 J	0.000636 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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	<0.0005	<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	<0.0002	<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	<0.0003	<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	<0.0003	<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	<0.001	<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	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.0002												<0.001	<0.001
Xylenes (total)	*10*	*10*	<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
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	<0.0001	<0.0001	<0.0001	<0.0001	<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	0.00011 J	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<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	<0.00009	<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	<0.000042	<0.000042	<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	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.000072 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00002 J	0.00041	<0.00007	<0.00007	<0.00007	<0.00005	<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	<0.00008	<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	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000071 J	0.000037 J	<0.000027	0.00017 J	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
Acenaphthylene	*1.5*	*4.4*	<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
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000095 J	0.000019 J	<0.000014	0.00002 J	<0.000014	0.000076 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<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	<0.00007	<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	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<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	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000092	<0.00055	0.000063 J	0.000077 J	<0.000037	<0.00013	<0.00023	0.00015 J	<0.000064	0.0017	<0.002	<0.0021	<0.0002	0.00023	0.00038
Chrysene	*0.91*	*2*	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000071 J	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000064 J	0.000075 J	<0.00002	0.0002	<0.00002	<0.00002	0.000029 J	<0.00002	<0.00002	0.011	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	0.000013 J	<0.00001	<0.00001	<0.00001	0.000028 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000068 J	0.000032 J	<0.00003	0.00011 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00013	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00014	0.0002	0.0066	<0.0001	<0.00018	<0.0001	<0.00005	<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	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<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	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00032	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000056 J	<0.000021	0.000039 J	0.00021	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	<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	0.00002 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Metals																	
Arsenic	*0.01*	*0.01*	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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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
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
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
Ethylbenzene	*0.7*	*0.7*	<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*	<0.001	<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*	<0.0005	<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*	<0.0005	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
Xylenes (total)	*10*	*10*	<0.0015	<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	<0.000106	<0.000105	<0.000104	<0.00011	<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	<0.000298	<0.000295	<0.000292	<0.00031	<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*	<0.00005	<0.000125	<0.000124	<0.000123	<0.00013	<0.000058	<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*	<0.00006	<0.0000769	<0.0000762	<0.0000755	<0.00008	<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	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.000021	<0.000021	0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	<0.0000673	<0.0000667	<0.000066	<0.00007	<0.000019	<0.000019	0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000798	<0.00079	<0.000783	<0.00083	<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	<0.000538	<0.000533	<0.000528	<0.00056	<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	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.000027	<0.000027	0.000027 J	<0.000027	<0.000027	<0.000052	<0.000027	<0.000027	0.000097 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.0000577	<0.0000571	<0.0000566	<0.00006	<0.000015	<0.000015	0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.0000481	<0.0000476	<0.000434	<0.00005	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000024 J	<0.000014	0.000035 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.00005	<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*	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000047 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.000125	<0.000124	<0.000123	<0.00013	<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*	0.00027	<0.000356	<0.000352	0.00163 J	0.000536 J	<0.000037	<0.000037	0.000054 J	<0.000037	<0.00037	0.000081 J	0.0003	<0.0002	0.000082 J	0.00011 J
Chrysene	*0.91*	*2*	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000063	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.0000769	<0.0000762	<0.0000755	<0.00008	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.000106	<0.000105	<0.000827	<0.00011	<0.00002	<0.00002	<0.00002	<0.00002	0.000056 J	<0.00002	<0.00002	0.000055 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.0000673	<0.0000667	0.0000806 J	<0.00007	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00006	0.00004 J	<0.00001	0.00013	0.00003 J
Fluorene	*0.98*	*2.9*	<0.00005	<0.0000673	<0.0000667	<0.000066	<0.00007	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000073 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00005	<0.0000769	<0.00012	<0.000668	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00021	<0.000073	<0.00002	0.00008 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000106	<0.000105	<0.000104	<0.00011	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0000962	<0.0000952	<0.0000943	<0.0001	<0.000025	<0.000025	0.00015 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000587	<0.000581	<0.000575	<0.00061	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00016 J	<0.0000577	0.0000586 J	<0.00046	<0.00006	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	0.000069 J	<0.000021	0.0001	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.0000385	<0.0000381	<0.0000377	<0.00004	<0.000035	<0.000035	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.000106	<0.000105	<0.000104	<0.00011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000059	0.000028 J	<0.000019	0.00014	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*						0.000743 J	0.00116 J	0.00172 J	0.00069 J	0.00117 J	0.00107 J	0.000524 J	0.000739 J	<0.0004	0.000598 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-61A 07/22/2022	MW-62B 02/04/2009	MW-62B 01/21/2010	MW-62B 07/14/2010	MW-62B 01/27/2011	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<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
Benzene	*0.005*	*0.005*	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	0.0043 J		<0.001	0.002 J	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<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
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.00071 J	<0.0005	<0.0005	<0.0005	0.041		<0.0011	0.0021 J	<0.00011	<0.00011	<0.00011	<0.00011	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<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
Toluene	*1*	*1*	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	0.0095		<0.001	0.0012 J	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003	<0.001	<0.001	<0.001	<0.001	0.025		<0.0031	0.0053 J	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005		<0.00005	<0.00005	<0.0001	<0.000105	<0.000104	<0.000109	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005		<0.00005	<0.00005	<0.000282	<0.000295	<0.000292	<0.000307	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000118	<0.000124	<0.000123	<0.000129	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006		<0.00006	<0.00006	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00012 J	0.0016	0.00064	<0.00007	<0.00005		<0.00005	<0.00006	<0.000174	<0.0000667	<0.000066	<0.0000693	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008		<0.00008	<0.00008	<0.000755	<0.00079	<0.000783	<0.000822	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.000509	<0.000533	<0.000528	<0.000554	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000047 J	0.0078	0.039	0.00041	<0.00009	0.21		0.026	0.085	0.000242 J	<0.0000762	<0.0000755	0.000235 J	0.00006 J	0.023
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.00006	0.00066	<0.00007	<0.00007	0.0026		0.0013	0.00084	0.000112 J	<0.0000571	<0.0000566	<0.0000594	0.000061 J	0.00063
Anthracene	*7.3*	*22*	<0.000014	0.00024	0.0011	<0.00007	<0.00007	0.013		<0.00005	0.0032	0.000723	<0.0000476	<0.0000472	0.0000699 J	0.00036	0.00051
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000118	<0.000124	<0.000123	<0.000129	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00041	<0.00098	0.0016	0.00022	0.00042		<0.00029	0.00013 J	<0.000336	<0.000352	<0.000349	<0.000366	0.00026	0.00018 J
Chrysene	*0.91*	*2*	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.0024	0.013	0.00034	<0.00008	**0.15**	**0.23**	0.00012 J	0.038	0.000174 J	<0.0000762	<0.0000755	0.0000916 J	<0.00002	0.0031
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.00065	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.000078	<0.0001	0.000107 J	<0.000104	<0.000109	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00002 J	0.00012 J	0.0011	<0.00007	0.00014 J	0.0079		0.00053	0.004	0.00033 J	<0.0000667	<0.000066	<0.0000693	0.00052	0.0015
Fluorene	*0.98*	*2.9*	<0.00003	0.0012	0.015	0.00016 J	<0.00007	0.058		0.0002	0.0087 J	<0.0000636	<0.0000667	<0.000066	0.000126 J	0.00015	0.0047
Naphthalene	*0.49*	*1.5*	<0.000061	0.0027	0.00028	0.0096	<0.0001	0.035		<0.00021	0.0056	<0.00129	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.0001	<0.000105	<0.000104	<0.000109	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.0000909	<0.0000952	<0.0000943	<0.000099	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005		<0.00005	<0.00005	<0.000555	<0.000581	<0.000575	<0.000604	<0.000079	0.00033
Phenanthrene	*0.73*	*2.2*	<0.000027	0.00087	0.0025	0.00025	<0.00007	0.035		0.00014 J	0.0026	<0.000472	<0.0000571	<0.0000566	<0.000144	<0.000021	0.00023
Phenol	*7.3*	*22*	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005		0.000053 J	<0.00005	<0.0000364	<0.0000381	<0.0000377	<0.0000396	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.000022 J	<0.00007	0.00047	<0.00007	0.000077 J	0.0033		0.00037	0.0021	0.000387 J	<0.000105	<0.000104	<0.000109	0.00039	0.00077
Metals																	
Arsenic	*0.01*	*0.01*	<0.0004													0.00842	**0.0173**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-62B 01/24/2022	MW-62B 07/13/2022	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
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	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Benzene	*0.005*	*0.005*	0.0021	<0.0002	<0.0002	<0.0002	0.0022	<0.0002	0.0012	<0.0002	0.0027	<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	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*	0.013	<0.0003	<0.0003	<0.0003	0.018	<0.0003	0.0071	<0.0003	0.02	<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	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013
Toluene	*1*	*1*	0.003	<0.0002	<0.0002	<0.0002	0.0052	<0.0002	0.0018	<0.0002	0.0057	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.014	<0.0003	<0.0003	<0.0003	0.023	<0.0003	0.0077	<0.0003	0.025	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**<0.0021**	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00013 J	<0.00004	<0.004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<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	**<0.0058**	<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	<0.000042	<0.000042	<0.000042	<0.000042	**<0.0042**	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	0.00016 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.00011	<0.000019	0.000096 J	0.00011	0.00058	<0.000019	0.00027	<0.000019	<0.0019	0.00014 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000053 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	<0.002	<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	<0.0047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.11	<0.000027	0.000099 J	0.04	0.064	0.016	0.054	<0.000027	0.084	0.00029	<0.00009	<0.00009	<0.00009	<0.00005	0.0096
Acenaphthylene	*1.5*	*4.4*	0.0013	<0.000015	<0.000015	0.00029	0.00086	0.00076	0.0005	<0.000015	<0.0015	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	0.0005
Anthracene	*7.3*	*22*	0.0044	<0.000014	<0.000014	0.00096	0.0034	0.0002	0.002	<0.000014	0.0037 J	0.00016 J	<0.00007	<0.00007	<0.00007	0.00036	<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	<0.005	<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	0.000024 J	<0.00002	<0.00002	<0.00002	**<0.002**	<0.00008	<0.00008	<0.00008	<0.00008	<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	**<0.003**	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00013 J	<0.000037	<0.000037	0.000095 J	<0.00011	<0.00011	<0.000037	<0.000037	<0.0037	0.0004	<0.0016	0.002	0.00049	0.00076	<0.00013
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	0.000027 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	0.048	<0.00002	0.000048 J	0.0042	0.038	0.0013	0.021	<0.00002	0.045	0.00012 J	<0.00008	<0.00008	<0.00008	0.0013	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.00014 J	<0.00002	0.00023	<0.00002	<0.00002	<0.002	0.02	<0.00007	<0.00007	<0.00007	0.000079 J	<0.00005
Fluoranthene	*0.98*	*2.9*	0.0041	<0.00001	0.000017 J	0.002	0.0035	0.0013	0.0026	<0.00001	<0.0041	0.00076	<0.00007	<0.00007	<0.00007	0.00057	0.00021
Fluorene	*0.98*	*2.9*	0.034	<0.00003	0.000036 J	0.011	0.03	0.0015	0.02	<0.00003	0.036	0.00018 J	<0.00007	<0.00007	<0.00007	<0.00005	0.00012 J
Naphthalene	*0.49*	*1.5*	0.038	<0.00002	0.00028	0.001	0.092	<0.00013	0.069	<0.00002	0.23	0.00092	<0.0001	<0.0001	<0.0001	<0.00005	<0.00063
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.00041	<0.000024	<0.0024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0025	<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	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0079**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.0083	<0.000021	0.000021 J	0.00087	0.0089	<0.000021	0.0017	<0.000021	0.012	0.00055	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00056	<0.000035	<0.000035	<0.000092	<0.000035	<0.000035	<0.0035	<0.00007	<0.00007	<0.00007	<0.00007	0.000077 J	<0.00005
Pyrene	*0.73*	*2.2*	0.002	<0.000019	<0.000019	0.0013	0.0016	0.00082	0.0014	<0.000019	<0.0019	0.00063	<0.00007	<0.00007	<0.00007	0.00042	0.00013 J
Metals																	
Arsenic	*0.01*	*0.01*	**0.028**	<0.0004	0.00194 J	**0.0161**	**0.0285**	**0.0163**	**0.0219**	0.00104 J	**0.0418**						

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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*	<0.0005	<0.00008	<0.00008	0.000154 J	<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*	<0.0005	<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*	<0.0005	<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*	<0.001	<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*	<0.0005	<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*															
Xylenes (total)	*10*	*10*	<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	<0.000106	<0.00011	<0.000104	<0.000108	<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	<0.000298	<0.00031	<0.000292	<0.000304	<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*	<0.00005	<0.000125	<0.00013	<0.000123	<0.000127	<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	<0.0000769	<0.00008	<0.0000755	<0.0000784	<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	<0.0000769	<0.00008	<0.0000755	<0.0000784	<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	<0.0000673	<0.00007	<0.000066	<0.0000686	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00037	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000798	<0.00083	<0.000783	<0.000814	<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	<0.000538	<0.00056	<0.000528	<0.000549	<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	<0.0000769	<0.00008	<0.0000755	<0.0000784	<0.000027	0.035	<0.000027	<0.000027	0.0003	0.00016	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.0000577	<0.00006	<0.0000566	<0.0000588	<0.000015	0.00086	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	0.000158 J	<0.00005	<0.0000472	0.000127 J	<0.000014	0.00056	<0.000014	<0.000014	<0.000014	0.000096 J	0.000082 J	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784	<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	<0.0000769	<0.00008	<0.0000755	<0.0000784	<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	<0.000125	<0.00013	<0.000123	<0.000127	<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*	0.00021	<0.000356	<0.00037	<0.000349	<0.000363	<0.0001	<0.000037	0.00023	<0.000037	<0.000037	0.00031	0.0006	<0.00011	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000023 J	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000784	0.00003 J	0.00038	<0.00002	<0.00002	<0.00002	0.0001 J	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000084 J	<0.000106	<0.00011	0.000117 J	<0.000108	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000079 J	<0.000075	<0.000079	0.000054 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.0000673	<0.00007	<0.000066	<0.0000686	<0.00001	0.00095	<0.00001	<0.00001	<0.00001	0.00028	0.0004	0.00062	0.00046	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	<0.0000673	<0.00007	<0.000066	<0.0000686	<0.00003	0.0013	<0.00003	<0.00003	0.000031 J	0.000082 J	0.00005 J	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.000317	<0.000094	0.00058	<0.00002	<0.00002	<0.00033	0.002	0.000083 J	<0.00002	0.000091 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000106	<0.00011	<0.000104	<0.000108	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0000962	<0.0001	<0.0000943	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000587	<0.00061	<0.000575	<0.000598	<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	<0.0000577	<0.00006	<0.0000566	<0.0000588	0.000032 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000086 J	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.0000385	<0.00004	<0.0000377	<0.0000392	<0.000035	<0.000035	0.00051	<0.000035	<0.000035	<0.000035	0.000073 J	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.000106	<0.00011	<0.000104	<0.000108	<0.000019	0.00059	<0.000019	<0.000019	0.00015	0.00015	0.00022	0.00033	0.00026	<0.000019
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

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-64A 07/13/2022	MW-65D 02/05/2009	MW-65D 01/21/2010	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0005	<0.0005	<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
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	0.00095 J	<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*	<0.0002	<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	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<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	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.00011	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000295	<0.000304	<0.000292	<0.00031	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000127	<0.000123	<0.00013	<0.000058	<0.000059	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000022 J	0.00012 J	<0.00007	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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000814	<0.000783	<0.00083	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000549	<0.000528	<0.00056	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00019 J	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000588	<0.0000566	<0.00006	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000034 J	0.000078 J	<0.00007	<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
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.00005	<0.000051	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000127	<0.000123	<0.00013	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00046	0.0019	<0.0027	<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
Chrysene	*0.91*	*2*	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00016 J	0.00012 J	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000025 J	0.00029	<0.00007	<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
Fluoranthene	*0.98*	*2.9*	<0.00001	0.000097 J	<0.00007	<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
Fluorene	*0.98*	*2.9*	<0.00003	0.00016 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667	<0.0000686	<0.000066	<0.00007	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	0.000069 J	0.00051	0.00026	<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
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.00011	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.000098	<0.0000943	<0.0001	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.000598	<0.000575	<0.00061	<0.000079	<0.00008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00014 J	<0.00007	<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
Phenol	*7.3*	*22*	<0.000035	<0.00007	0.0015	<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
Pyrene	*0.73*	*2.2*	0.000031 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105	<0.000108	<0.000104	<0.00011	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	0.00391												<0.0004	0.00761	0.00292

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-65D 07/22/2021	MW-65D 01/26/2022	MW-65D 07/27/2022	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
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	<0.0005	<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	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<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
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<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
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<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
Toluene	*1*	*1*	<0.0002	<0.0002	<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
Vinyl chloride	*0.002*	*0.002*				<0.0002											
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	0.0011	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00009	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<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
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<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
2-Methylnaphthalene	*0.098*	*0.29*	0.00016	<0.000019	<0.000019	0.000051 J		<0.000019	<0.000019	<0.000019	0.00062	<0.00007	<0.00007	<0.00005	<0.00005	0.000085 J	<0.0000673
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.000798
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<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
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	0.000041 J		0.000065 J	<0.000027	<0.000027	0.0004	<0.00009	<0.00009	<0.00005	<0.00005	0.000054 J	<0.0000769
Acenaphthylene	*1.5*	*4.4*	<0.000015	<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
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000022 J		<0.000014	<0.000014	<0.000014	0.00015 J	<0.00007	<0.00007	0.00022	0.00027	0.00059	<0.0000481
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	0.000058 J		<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	0.00011 J	0.00012 J	0.00036	<0.0000769
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	0.000034 J		<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	0.00016 J	0.00013 J	**0.00067**	<0.0000769
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00006 J	0.00016 J	0.00026	0.000073 J		0.00022	<0.000037	<0.000037	**0.0064**	<0.0028	<0.00096	0.0019	<0.0002	0.0032	<0.000356
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.00004		<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	0.00046	0.00052	0.0018	<0.0000769
Dibenzofuran	*0.098*	*0.29*	0.000039 J	<0.00002	<0.00002	0.000029 J		<0.00002	<0.00002	<0.00002	0.00036	<0.00008	0.000083 J	<0.00005	<0.00005	0.000066 J	<0.0000769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.000025 J		<0.00002	<0.00002	<0.00002	0.00044	0.000086 J	<0.00007	0.000056 J	<0.00005	<0.000078	<0.000106
Fluoranthene	*0.98*	*2.9*	0.000027 J	<0.00001	<0.00001	<0.000048		<0.00001	<0.00001	<0.00001	0.00026	<0.00007	<0.00007	0.00035	0.00057	0.0019	<0.0000673
Fluorene	*0.98*	*2.9*	<0.00003	<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
Naphthalene	*0.49*	*1.5*	<0.0026	<0.00002	<0.00002	0.00057		<0.00025	<0.00002	<0.00002	0.0058	<0.0001	<0.0002	<0.00005	<0.00005	<0.0004	<0.0000769
Nitrobenzene	*0.049*	*0.15*	<0.000024	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<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
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<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
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000067		<0.000021	<0.000021	<0.000021	0.00073	0.00012 J	<0.00007	0.00011 J	0.00011 J	0.00058	<0.0000577
Phenol	*7.3*	*22*	<0.00019	<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
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000039		<0.000019	<0.000019	<0.000019	0.00017 J	<0.00007	<0.00007	0.00036	0.00051	0.0019	<0.000106
Metals																	
Arsenic	*0.01*	*0.01*	0.00202	0.00135 J	0.000507 J	0.00142 J	0.00123 J	0.00145 J	0.00134 J	0.000433 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-66D 08/05/2013	MW-66D 01/29/2014	MW-66D 08/28/2014	MW-66D 10/03/2014	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
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
Benzene	*0.005*	*0.005*	<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	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003
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
Toluene	*1*	*1*	<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	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<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	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00011	<0.000104	<0.000109	<0.000107	<0.00021	<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*	<0.00031	<0.000292	<0.000307	<0.000301	<0.0004	<0.000041	<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*	<0.00013	<0.000123	<0.000129	<0.000126	<0.00058	<0.000059	<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*	<0.00008	<0.0000755	<0.0000792	<0.0000777	<0.00042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00008	<0.0000755	<0.0000792	<0.0000777	<0.00021	<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*	<0.00007	<0.000066	0.000211 J	<0.000068	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000095	<0.000019	<0.00003	0.000063 J	<0.000019	<0.00019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00083	<0.000783	<0.000822	<0.000806	<0.0002	<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*	<0.00056	<0.000528	<0.000554	<0.000544	<0.00047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	<0.00008	0.000145 J	0.000141 J	<0.0000777	<0.00027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027
Acenaphthylene	*1.5*	*4.4*	<0.00006	<0.0000566	0.000411 J	0.000206 J	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000017 J	<0.000015	<0.000015	<0.00015
Anthracene	*7.3*	*22*	<0.00005	<0.0000472	0.00304	0.00256	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000028 J	0.000094 J	<0.000014	<0.000014	<0.00014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00008	<0.0000755	0.00041 J	0.000245 J	<0.0005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000053 J	<0.00005	<0.00005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.0000755	**0.000436 J**	**0.000439 J**	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000025 J	0.00004 J	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00013	<0.000123	<0.000129	<0.000126	<0.0003	<0.000031	<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*	<0.00037	<0.000349	0.000585	0.000415 J	<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
Chrysene	*0.91*	*2*	<0.00008	<0.0000755	0.00104	0.000582	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000034 J	0.00015	<0.000021	<0.000021	<0.00021
Dibenzofuran	*0.098*	*0.29*	<0.00008	<0.0000755	0.000133 J	<0.0000777	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000025 J	<0.00002	<0.00002	<0.00002	<0.0002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00011	<0.000104	0.000121 J	<0.000107	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000057	<0.00002	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	<0.00007	<0.000066	0.00116	0.000346 J	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000029 J	0.00016	<0.00001	<0.00001	<0.0001
Fluorene	*0.98*	*2.9*	<0.00007	<0.000066	0.000143 J	<0.000068	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003
Naphthalene	*0.49*	*1.5*	0.0000999 J	0.000367 J	0.00118	<0.0000777	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00013	<0.000075	<0.00018	<0.00036	<0.00002	<0.0002
Nitrobenzene	*0.049*	*0.15*	<0.00011	<0.000104	<0.000109	<0.000107	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0001	<0.0000943	<0.000099	<0.0000971	<0.00025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.00061	<0.000575	<0.000604	<0.000592	<0.00079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	<0.00006	0.000132 J	0.000295 J	0.0000729 J	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000038	<0.000021	<0.000021	<0.00021
Phenol	*7.3*	*22*	<0.00004	<0.0000377	<0.0000396	<0.0000388	<0.00035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035	<0.00035
Pyrene	*0.73*	*2.2*	<0.00011	<0.000104	0.00118	0.000388 J	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00003 J	0.00015	<0.000019	<0.000019	<0.00019
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

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-68A 05/29/2019	MW-68A 05/29/2019 Duplicate	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-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	<0.0002	<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	<0.0002	<0.0002	0.00039 J	<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	<0.0003	<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	<0.0003	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	<0.001	**<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	<0.0002	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	<0.0003	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	<0.000021	<0.00005	<0.00025	**<0.00524**	**<0.00519**	**<0.0105**	**<0.0105**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.00023	<0.00004	<0.00004	<0.00004	0.000099 J	0.19	0.27	0.273	<0.0146	**0.536**	0.457 J
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	<0.00005	<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	<0.000042	<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	<0.000021	<0.00005	<0.00025	<0.00381	<0.00377	<0.00762	<0.00762
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.000026 J	0.00012	0.000048 J	<0.000019	<0.000019	<0.000019	<0.000019	<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	<0.00002	<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	<0.000047	<0.00005	<0.00025	<0.0267	<0.0264	**<0.0533**	**<0.0533**
Acenaphthene	*1.5*	*4.4*	0.0012	0.0011	0.0019	0.0003	0.00032	0.00061	<0.000027	<0.000027	<0.000027	0.15	0.23	0.261	0.304	0.263	0.26
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	0.000054 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.0023	0.003	<0.00286	<0.00283	<0.00571	<0.00571
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000028 J	0.000059 J	<0.000024	<0.000014	<0.000014	<0.000014	<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	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<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	<0.00002	**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	<0.00003	<0.00005	<0.00025	**<0.00619**	**<0.00613**	**<0.0124**	**<0.0124**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00015 J	0.000074 J	0.00024	<0.000061	0.000077 J	<0.000037	0.000051 J	0.00015 J	<0.000037	<0.0001	<0.0005	**<0.0176**	**<0.0175**	**<0.0352**	**<0.0352**
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000029	<0.000021	<0.000021	<0.000021	<0.000021	0.0052	0.005	<0.00381	<0.00377	0.00806 J	0.00976 J
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000082 J	<0.00002	<0.000027	0.000066 J	<0.00002	<0.00002	<0.00002	**0.19**	**0.3**	**0.26**	**0.325**	**0.284**	**0.276**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00087	0.00064	0.00015 J	0.000034 J	<0.000046	0.00044	<0.00002	<0.00002	<0.00002	<0.00005	<0.00025	<0.00524	<0.00519	<0.0105	<0.0105
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.00013	<0.00014	<0.00001	<0.00001	<0.00001	<0.00001	0.05	0.044	<0.00333	0.00764 J	0.052	0.0357 J
Fluorene	*0.98*	*2.9*	0.000044 J	0.000042 J	0.00012	0.000069 J	<0.000041	<0.00003	<0.00003	<0.00003	<0.00003	0.096	0.13	0.118	0.154	0.149	0.143
Naphthalene	*0.49*	*1.5*	0.00019	0.00025	0.00035	<0.00022	<0.000029	<0.00002	<0.00002	<0.00002	<0.000035	**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	<0.000024	<0.00005	<0.00025	<0.00524	<0.00519	<0.0105	<0.0105
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.0011	<0.00025	<0.00476	<0.00472	<0.00952	<0.00952
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00005	<0.00025	**<0.029**	**<0.0288**	**<0.0581**	**<0.0581**
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000062 J	0.00016	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	0.19	0.24	0.12	0.136	0.263	0.196
Phenol	*7.3*	*22*	0.000041 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.035	0.058	0.0421	0.0795	0.0862	0.0929
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	0.000068 J	<0.000072	<0.000019	<0.000019	<0.000019	<0.000019	0.031	0.024	<0.00524	<0.00519	0.0341 J	0.0227 J
Metals																	
Arsenic	*0.01*	*0.01*	0.00966	0.00894	**0.0353**	**0.0423**	**0.0825**	**0.0603**	**0.0468**	**0.129**	**0.0359**						

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.
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 - 2022)
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
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
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**
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
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
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
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
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
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
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
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
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
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
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**
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
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
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
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
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
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**
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**
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
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
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
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**
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
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
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
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**
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
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
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
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
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
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
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**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-68B 01/18/2021	MW-68B 07/21/2021	MW-68B 01/13/2022	MW-68B 07/19/2022	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	MW-68C 01/29/2018
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.001	<0.001	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	**0.15**	**0.81**	**0.071**	**0.13**	0.00081 J	0.0021 J	0.0032 J	**0.0069**	**0.0079**	0.00134	0.00364	0.00225	**0.0073**	0.00118	0.0028
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0015	<0.0015	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.000352	<0.00012	<0.00018	<0.00012	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.17	0.31	0.081	0.066	<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	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.005	<0.005	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.00015	<0.001
Toluene	*1*	*1*	0.12	0.33	0.046	0.046	<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	<0.0002
Vinyl chloride	*0.002*	*0.002*													<0.00011	<0.00011	
Xylenes (total)	*10*	*10*	0.55	0.1	0.48	0.4	<0.001	<0.001	<0.0031	<0.0031	<0.0015	0.000873 J	0.000879 J	<0.00058	0.000649 J	<0.00026	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.0008	<0.00021	<0.00021	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000104		<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.0032	0.4	0.021	0.046	<0.00008	0.00012 J	0.00031	0.00095	0.0014	R	<0.000292	0.000454 J	<0.000292		<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	0.00016 J	<0.00058	<0.00058	<0.00058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000123		<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	0.000057 J	<0.00042	<0.00042	<0.00042	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000755	<0.0000762	<0.0000755		<0.000042
2-Chloronaphthalene	*2*	*5.8*	0.000065 J	<0.00021	<0.00021	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000755		<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.21**	**0.3**	**0.29**	**0.69**	<0.00007	0.00016 J	0.00024	<0.00011	0.0025	0.00132	0.000301 J	0.00331	0.000188 J		<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	0.00015 J	<0.0002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000783	<0.00079	<0.000783		<0.00002
4-Nitrophenol	*0.049*	*0.15*	0.0028	<0.00047	<0.00047	<0.00047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	R	<0.000528	<0.000533	<0.000528		<0.000047
Acenaphthene	*1.5*	*4.4*	0.069	0.1	0.12	0.25	<0.00009	<0.00009	0.00013 J	<0.00005	0.0013	0.000647	<0.0000755	0.00183	0.000235 J		<0.000027
Acenaphthylene	*1.5*	*4.4*	0.00094	<0.00015	0.001	0.0025	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000571	<0.0000566		<0.000015
Anthracene	*7.3*	*22*	0.0077	0.99	0.053	0.055	<0.00007	<0.00007	<0.00005	<0.00005	0.00089	<0.0000476	<0.0000472	0.00106	<0.0000472		<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.0012	**0.29**	0.0012	**0.011**	<0.00007	<0.00007	<0.00005	<0.00005	0.00018 J	<0.0000762	<0.0000755	0.000276 J	<0.0000755		<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00051**	**0.093**	**0.00069 J**	**0.0032**	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	0.000171 J	<0.0000755		<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**0.0017**	<0.0003	<0.0003	<0.0003	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000123		<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00011	<0.00037	<0.00037	<0.00037	0.00098	0.006	0.001	<0.0015	0.0018	0.000637	0.00157 J	<0.000352	<0.000349		0.00015 J
Chrysene	*0.91*	*2*	0.0012	0.25	0.004	0.01	<0.00007	<0.00007	<0.00005	<0.00005	0.00016 J	<0.0000762	<0.0000755	0.000301 J	<0.0000755		<0.000021
Dibenzofuran	*0.098*	*0.29*	0.069	**0.2**	**0.12**	**0.28**	<0.00008	<0.00008	0.0002 J	<0.000078	0.0018	0.000168 J	<0.0000755	0.00192	0.0000942 J		<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0001	<0.0002	<0.0002	<0.0002	<0.00007	<0.00007	<0.00005	<0.00005	0.00011 J	<0.000105	<0.000104	<0.000105	<0.000104		<0.00002
Fluoranthene	*0.98*	*2.9*	0.0099	0.5	0.024	0.083	<0.00007	<0.00007	<0.00005	<0.00005	0.0016	<0.0000667	<0.000066	0.00233	<0.000066		<0.00001
Fluorene	*0.98*	*2.9*	0.04	0	0.072	0.18	<0.00007	<0.00007	0.0001 J	<0.00005	0.0012	0.00034 J	0.000135 J	0.00167	0.000155 J		<0.00003
Naphthalene	*0.49*	*1.5*	**0.8**	0	**2.9**	**4.9**	0.00083	0.0014	0.0027	<0.0015	0.015	0.0129	0.00643 J	0.0112	0.00274		0.00088
Nitrobenzene	*0.049*	*0.15*	0.00054	<0.00024	<0.00024	<0.00024	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000104		<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.00029	<0.00025	<0.00025	<0.00025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000952	<0.0000943		<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00079	<0.00079	<0.00079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.000575	<0.000581	<0.000575		<0.000079
Phenanthrene	*0.73*	*2.2*	0.067	0.3	0.093	0.4	<0.00007	<0.00007	0.00016 J	<0.00005	0.005	0.000499	<0.0000566	0.00585	<0.0000566		<0.000021
Phenol	*7.3*	*22*	0.02	0.047	0.0024	0.0021	0.0005	0.0039	0.0049	0.0074	0.000062 J	R	<0.0000377	<0.0000381	<0.0000377		<0.000035
Pyrene	*0.73*	*2.2*	0.0063	0.6	0.015	0.055	<0.00007	<0.00007	<0.00005	<0.00005	0.00086	<0.000105	<0.000104	0.0014	<0.000104		<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	0.00396	0.00858	0.00216	0.00957											<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-69A 07/15/2010	MW-69A 01/19/2011	MW-69A 07/21/2011	MW-69A 02/08/2012	MW-69A 07/24/2012
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	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	0.0049	<0.0002	<0.0002	<0.0002	0.00056 J	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002	<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	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	0.00047 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<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	<0.0013	<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	<0.001	<0.001	<0.0005
Vinyl chloride	*0.002*	*0.002*													<0.001	<0.001	<0.0005
Xylenes (total)	*10*	*10*	0.00046 J	<0.0003	0.0011	<0.0003	0.00062 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<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	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	0.0015	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00045	<0.00004	0.0012	<0.00004	0.0036	<0.00008	<0.00005	<0.00005	0.000078 J
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	<0.00009	<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	0.0012	<0.000042	<0.000042	<0.000042	<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	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.00014	<0.000019	<0.000077	0.000072 J	0.00033	<0.00013	<0.000019	<0.000019	0.00039	0.000079 J	0.0038	0.000074 J	<0.00005	<0.00005	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	<0.00002	<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	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.00017	<0.000027	<0.000027	0.00012	0.000036 J	0.00038	<0.000027	0.000084 J	0.0004	<0.000027	0.0037	0.00025	<0.00005	<0.00005	0.00082
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	0.000053 J	0.000023 J	0.000074 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	0.000036 J	0.00071	0.000061 J	<0.000014	0.00051	<0.000014	0.00039	0.00024	<0.00005	<0.00005	0.00047
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00051	<0.00005	0.000055 J	<0.00039	<0.00005	<0.00005	<0.00005	<0.00005	0.00049	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	0.000063 J	<0.00014	<0.00002	<0.00002	<0.00002	<0.00002	0.00013 J	<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	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.00056	<0.000044	0.00032	0.00029	0.00016 J	0.00053	<0.00024	<0.000037	0.000091 J	0.0059	0.00081	0.00086	<0.00018	<0.0003
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	0.000054 J	<0.0003	<0.000021	<0.000021	<0.000021	<0.000021	0.00032	0.00011 J	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000066 J	0.000064 J	0.00003 J	0.00042	<0.00002	<0.00002	<0.00037	<0.00002	0.003	0.00022	<0.00005	<0.00005	0.00071
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.0001 J	<0.00002	0.000067 J	<0.00002	<0.000021	<0.000034	<0.00002	<0.00002	<0.00002	<0.00007	<0.00007	0.000069 J	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00021	<0.00001	<0.00001	0.000074 J	0.0019	<0.00001	<0.00001	0.00023	0.00003 J	0.0025	0.00057	0.000059 J	<0.00005	0.00045
Fluorene	*0.98*	*2.9*	0.00012	<0.00003	0.000057 J	0.000051 J	0.000036 J	0.00047	<0.00003	<0.00003	0.00036	<0.00003	0.0033	0.00036	<0.00005	<0.00005	0.00085
Naphthalene	*0.49*	*1.5*	0.0032	0.00035	<0.00079	0.0011	<0.00052	<0.00066	<0.00002	<0.00002	0.0051	<0.00034	0.026	0.00011 J	<0.00005	<0.00029	<0.004
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	<0.00005	<0.00005	<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	<0.000025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.0001	<0.000021	0.000062 J	<0.000021	0.000042 J	0.0024	<0.000021	<0.000021	0.00043	0.000082 J	0.0083	0.0012	<0.00005	<0.00005	0.0022
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.00026	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.0069	<0.00007	<0.00005	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	0.00015	<0.000019	<0.000019	0.000092 J	0.0013	<0.000019	<0.000019	0.00014	0.000035 J	0.0022	0.00037	<0.00005	<0.00005	0.00033
Metals																	
Arsenic	*0.01*	*0.01*	0.000618 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.000406 J	<0.0004	0.000403 J	0.000587 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-69A 07/19/2022
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
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	0.0003 J	<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
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
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
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
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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	0.000083 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	0.00012
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015
Anthracene	*7.3*	*22*	<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	0.000027 J
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.00012 J
Chrysene	*0.91*	*2*	<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	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	0.000023 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002
Fluoranthene	*0.98*	*2.9*	<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	0.000095 J
Fluorene	*0.98*	*2.9*	<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	0.000058 J
Naphthalene	*0.49*	*1.5*	<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	<0.00011
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	0.000075 J
Phenol	*7.3*	*22*	<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	<0.000035
Pyrene	*0.73*	*2.2*	<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	0.000077 J
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**		**0.0234**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-74B 02/09/2012	MW-74B 07/26/2012	MW-74B 04/02/2013	MW-74B 01/29/2014	MW-74B 08/28/2014
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	**<0.01**	<0.005	<0.0028	<0.0007	<0.0028
Benzene	*0.005*	*0.005*	**0.01**	**0.0089**	**0.019**	**0.018**	**0.021**		0.00059 J	<0.0002	<0.0002	<0.0002	**0.35**	**0.71**	**0.552**	**0.795**	**0.652**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.01	<0.005	<0.0024	<0.0006	<0.0024
Ethylbenzene	*0.7*	*0.7*	0.057	0.052	0.11	0.12	0.11		0.0017	0.0018	0.0003	<0.0003	0.086	0.14	0.147	0.203	0.2
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	**<0.013**	**<0.01**	<0.003	<0.00075	<0.003
Toluene	*1*	*1*	0.034	0.032	0.056	0.06	0.056		0.0013	0.0007 J	<0.0002	<0.0002	0.32	0.56	0.533	0.774	0.741
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.064	0.061	0.13	0.14	0.11		0.002	0.0012	<0.0003	<0.0003	0.25	0.38	0.427	0.553	0.558
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000022	<0.000022	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	<0.0005	**<0.106**	**<0.208**	**<0.216**
2,4-Dimethylphenol	*0.49*	*1.5*	0.00041	<0.000041	<0.00004	<0.00004		<0.00004	0.00022	<0.00004	<0.00004	<0.00004	**55**	**41**	**56.9**	**525**	**70.6**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.000058	<0.000058		<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0005	<0.0005	**<0.125**	**<0.245**	**<0.255**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000044	<0.000043	<0.000042	<0.000042		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0006	<0.0006	**<0.0769**	**<0.151**	**<0.157**
2-Chloronaphthalene	*2*	*5.8*	<0.000022	<0.000022	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	<0.0005	<0.0769	<0.151	<0.157
2-Methylnaphthalene	*0.098*	*0.29*	0.067 J	0.098 J	0.05	0.047		<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	**0.39**	**0.43 J**	**0.673**	**5.52**	**0.95 J**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000021	<0.000021	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0008	<0.0008	**<0.798**	**<1.57**	**<1.63**
4-Nitrophenol	*0.049*	*0.15*	<0.000049	<0.000048	<0.000047	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0005	<0.0005	**<0.538**	**<1.06**	**<1.1**
Acenaphthene	*1.5*	*4.4*	0.059 J	0.087 J	0.068	0.053		0.00023	<0.000027	0.00015	<0.000027	<0.000027	0.29	0.21	0.31 J	**2.4**	0.413 J
Acenaphthylene	*1.5*	*4.4*	<0.000016	0.00074	0.00066	0.00048		<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.0058	0.0062	<0.0577	<0.113	<0.118
Anthracene	*7.3*	*22*	0.0049 J	0.0082 J	0.0035	0.0029		<0.000014	<0.000014	<0.000014	0.000098 J	<0.000014	0.037	0.024	<0.0481	0.282 J	<0.098
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000052	0.000079 J	<0.00005	<0.00005		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	0.0022	**<0.0769**	**<0.151**	**<0.157**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.000021	<0.000021	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.0005**	**0.00085 J**	**<0.0769**	**<0.151**	**<0.157**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000031	<0.000031	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0005	<0.0005	**<0.125**	**<0.245**	**<0.255**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000039	0.000052 J	<0.000037	<0.000037		<0.000037	<0.00014	<0.000048	<0.000037	<0.000037	<0.001	<0.001	**<0.356**	**<0.698**	**<0.725**
Chrysene	*0.91*	*2*	<0.000022	0.000061 J	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	0.0018 J	<0.0769	<0.151	<0.157
Dibenzofuran	*0.098*	*0.29*	0.055 J	0.078 J	0.053	0.046		<0.00002	<0.00002	0.000083 J	<0.00002	<0.00002	**0.25**	**0.19**	**0.252 J**	**1.84**	**<0.157**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000061 J	0.0001 J	0.00016 J	0.0001 J		<0.00002	0.000077 J	0.000039 J	<0.00002	<0.00002	<0.0005	<0.0005	<0.106	<0.208	<0.216
Fluoranthene	*0.98*	*2.9*	0.003 J	0.0053 J	0.0027	0.002		<0.00001	<0.00001	<0.00001	0.00005 J	<0.00001	0.0044	0.018	<0.0673	<0.132	<0.137
Fluorene	*0.98*	*2.9*	0.028 J	0.038 J	0.034	0.027		0.00013	0.000076 J	0.000063 J	0.000076 J	<0.00003	0.17	0.14 J	0.196 J	**1.34**	0.263 J
Naphthalene	*0.49*	*1.5*	**1.6 J**	**2.5 J**	**1.1**	**1.2**		<0.00002	<0.00014	0.0025	<0.00034	0.000086 J	**16**	**10**	**13.9**	**139**	**17.9**
Nitrobenzene	*0.049*	*0.15*	<0.000025	<0.000025	<0.000024	<0.000024		<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0005	<0.0005	**<0.106**	**<0.208**	**<0.216**
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000026	<0.000026	<0.000025	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0005	<0.0005	<0.0962	<0.189	**<0.196**
Pentachlorophenol	*0.001*	*0.001*	<0.000082	<0.000081	<0.000079	<0.000079		<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0005	<0.0005	**<0.587**	**<1.15**	**<1.2**
Phenanthrene	*0.73*	*2.2*	0.04	0.054	0.03	0.026		0.00012	0.00004 J	<0.000021	0.00017	<0.000021	0.15	0.15	0.169 J	**1.28**	0.307 J
Phenol	*7.3*	*22*	<0.000036	<0.000036	<0.000035	<0.000035		<0.000035	<0.000084	<0.000035	<0.000035	<0.000035	**43**	**38**	**63.2**	**420**	**53.3**
Pyrene	*0.73*	*2.2*	0.0017 J	0.0029 J	0.0011	0.00082		<0.000019	<0.000019	<0.000019	0.000032 J	<0.000019	0.005	0.01	<0.106	<0.208	<0.216
Metals																	
Arsenic	*0.01*	*0.01*	0.00598	0.0047	0.00663	0.00606	0.00579		0.00109 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	C/I PCL	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	MW-74B 07/18/2022	MW-75B 02/08/2012 DNAPL	MW-75B 07/26/2012 DNAPL	MW-75B 04/02/2013 DNAPL	MW-75B 01/29/2014 DNAPL
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.0002	<0.0002	**<0.02**	<0.001	<0.0002	**<0.01**	<0.0025	<0.0028	<0.0007
Benzene	*0.005*	*0.005*	**0.47**	**0.58**	**0.71**	**0.83**	**0.59**	**0.12**	**0.78**	**0.007**	**0.14**	**0.54**	**0.4**	**0.61**	**0.85**	**0.369**	**0.502**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0003	<0.0003	<0.03	<0.0015	<0.0003	<0.01	<0.0025	<0.0024	<0.0006
Ethylbenzene	*0.7*	*0.7*	0.25	0.12	0.17 J	0.22	0.15	0.076	0.16	0.015	0.091 J	0.15	0.19	0.13	0.1	0.069	0.0773
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.001	<0.001	**<0.1**	**0.0051 J**	<0.001	**<0.013**	<0.005	<0.003	<0.00075
Toluene	*1*	*1*	0.75	0.56	0.74	0.69	0.52	0.29	0.69	0.02	0.23	0.56	0.41	0.51	0.5	0.282	0.328
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.53	0.33	0.51 J	0.63	0.42	0.2	0.41	0.049	0.26	0.41	0.52	0.41	0.33	0.247	0.276
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0021**	<0.00021	**<0.0021**	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.0005	<0.0005	**<0.00212**	**<0.0519**
2,4-Dimethylphenol	*0.49*	*1.5*	**59**	**30**	**57**	**9**	**37**	0.21	**8.3**	0.099	**5**	**2.7**	**18**	0.18	**0.64**	0.0695	**6.35**
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0058**	<0.00058	**<0.0058**	<0.00058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.0005	<0.0005	**<0.0025**	**<0.0613**
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0042**	<0.00042	**<0.0042**	<0.00042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.0006	<0.0006	**<0.00154**	**<0.0377**
2-Chloronaphthalene	*2*	*5.8*	<0.0021	<0.00021	<0.0021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.0005	<0.0005	<0.00154	<0.0377
2-Methylnaphthalene	*0.098*	*0.29*	**0.3**	**2.4**	**0.99**	**0.22**	**0.48**	**1.3**	**0.6**	**0.13**	**0.7**	**2.5**	**7.4**	**0.62**	**0.6 J**	**0.101**	**3.18**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.002	<0.0002	<0.002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0008	<0.0008	**<0.016**	**<0.392**
4-Nitrophenol	*0.049*	*0.15*	0.033 J	<0.00047	<0.0047	<0.00047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.0005	<0.0005	<0.0108	**<0.264**
Acenaphthene	*1.5*	*4.4*	0.31	1.4	0.33	0.098	0.24	0.98	0.32	0.17	0.37	**1.9**	**5.5**	0.34	0.26	0.0697	**2.57**
Acenaphthylene	*1.5*	*4.4*	0.012	0.019	0.0098 J	0.0032	0.0037	0.018	0.0083	0.0046	0.011	0.042	0.1	0.013	0.0058	<0.00115	0.0672 J
Anthracene	*7.3*	*22*	0.027	0.58	0.034	0.0074	0.0071	0.42	0.083	0.014	0.054	0.85	2.1	0.035	0.045	0.00948 J	0.605
Benzo(a)anthracene	*0.0091*	*0.02*	<0.005	**0.22**	<0.005	<0.0005	0.00022	**0.13**	**0.037**	0.0018	**0.0097**	**0.29**	**0.92**	0.00064 J	0.0047	<0.00154	**0.0667 J**
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.002**	**0.064**	**<0.002**	<0.0002	<0.00002	**0.034**	**0.012**	**0.001**	**0.0045**	**0.074**	**0.29**	**<0.0005**	**0.0013 J**	**<0.00154**	**<0.0377**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.003**	<0.0003	**<0.003**	<0.0003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**0.098**	<0.0005	<0.0005	**<0.0025**	**<0.0613**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0037	<0.00037	<0.0037	<0.00037	<0.000037	0.0014	<0.00037	<0.00037	<0.00037	<0.00037	<0.0037	<0.001	<0.001	**<0.00712**	**<0.175**
Chrysene	*0.91*	*2*	<0.0021	0.23	<0.0021	<0.00021	0.00016	0.082	0.03	0.002	0.012	0.35	0.74	0.00062 J	0.0042	<0.00154	0.0704 J
Dibenzofuran	*0.098*	*0.29*	**0.24**	**1.4**	**0.24**	0.079	**0.19**	**0.72**	**0.27**	0.085	**0.28**	**1.6**	**4.8**	**0.29**	**0.23**	0.0533	**1.56**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.002	<0.0002	<0.002	<0.0002	<0.00002	0.0022	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0005	<0.0005	<0.00212	<0.0519
Fluoranthene	*0.98*	*2.9*	0.015	**1.4**	0.017	0.0038	0.0035	0.67	0.2	0.013	0.072	**1.9**	**6.3**	0.016	0.04	0.0103	0.708
Fluorene	*0.98*	*2.9*	0.19	**1.4**	0.19	0.056	0.14	0.88	0.29	0.09	0.26	**1.9**	**5.6**	0.19	0.17 J	0.0425	**1.59**
Naphthalene	*0.49*	*1.5*	**18**	**21**	**19**	**4**	**13 J**	**8.5**	**5.9**	0.25	**2**	**19**	**48**	**8.9**	**9.3**	0.211	**27.1**
Nitrobenzene	*0.049*	*0.15*	<0.0024	<0.00024	<0.0024	<0.0024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.0005	<0.0005	<0.00212	**<0.0519**
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0025	<0.00025	<0.0025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.0005	<0.0005	<0.00192	<0.0472
Pentachlorophenol	*0.001*	*0.001*	**<0.0079**	<0.00079	**<0.0079**	<0.00079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.0005	<0.0005	**<0.0117**	**<0.288**
Phenanthrene	*0.73*	*2.2*	0.16	**3.7**	0.17	0.046	0.087	**2.3**	0.58	0.086	0.35	**4.8**	**19**	0.24	0.27	0.0606	**2.13**
Phenol	*7.3*	*22*	**56**	**25**	**39**	5	**33**	0.048	5.5	0.00083 J	7	2	**14**	0.0066	0.0027	0.0069 J	0.108 J
Pyrene	*0.73*	*2.2*	0.0079 J	**0.83**	0.0077 J	0.002	0.0023	0.44	0.15	0.0079	0.044	**1.2**	**3.2**	0.0098	0.026	0.00617 J	0.416
Metals																	
Arsenic	*0.01*	*0.01*	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	0.00284				

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-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-76C 07/24/2014	MW-76C 10/03/2014	MW-76C 01/30/2018
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	<0.00014		<0.0002
Benzene	*0.005*	*0.005*	**0.298**	**0.12**	**0.0072**	0.0017	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000149 J		<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	<0.00012		<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0737	0.037	0.04	0.0034	0.011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00011		<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00015		<0.001
Toluene	*1*	*1*	0.273	0.13	0.05	0.0028	0.0059	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000156 J		<0.0002
Vinyl chloride	*0.002*	*0.002*	<0.00011												<0.00011		
Xylenes (total)	*10*	*10*	0.255	0.11	0.13	0.014	0.055	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00026		<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.00214**	<0.000021	<0.00021	<0.000021	<0.00021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000104	<0.000107	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00602	**0.86**	0.0046	0.0011	0.022	<0.000042	<0.00004	0.00021	<0.00004	<0.00004	<0.00004	<0.00004	<0.000292	<0.000301	0.0018
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.00252**	<0.000058	<0.00058	<0.000058	<0.00058	<0.00006	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000123	<0.000126	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00155**	<0.000042	<0.00042	<0.000042	<0.00042	<0.000044	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0000755	<0.0000777	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00155	<0.000021	<0.00021	<0.000021	<0.00021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.0000777	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.546**	**0.81**	**0.11**	0.000071 J	0.076	<0.00002	<0.000019	0.0002	<0.000019	<0.000019	0.000086 J	<0.000019	0.000392 J	0.0000976 J	0.0001
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0161**	<0.00002	<0.0002	<0.00002	<0.0002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000783	<0.000806	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.0109	<0.000047	<0.00047	<0.000047	<0.00047	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000528	<0.000544	<0.000047
Acenaphthene	*1.5*	*4.4*	0.429	0.67	0.057	0.032	0.59	<0.000028	<0.000027	0.00017	<0.000027	0.000074 J	0.00017	<0.000027	0.000696	0.00024 J	0.00015
Acenaphthylene	*1.5*	*4.4*	0.0121	0.0086	0.0013	0.00073	0.0074	<0.000016	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0000566	<0.0000583	0.0002
Anthracene	*7.3*	*22*	0.0626	0.39	0.009	0.0026	0.13	<0.000015	<0.000014	0.000076 J	<0.000014	0.000051 J	<0.000014	<0.000014	0.000234 J	0.00011 J	0.00006 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.00748 J	**0.12**	0.0019	0.0016	**0.013**	<0.000052	<0.00005	0.00011	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00155**	**0.035**	**0.00064 J**	**0.00082**	**0.0039**	<0.000021	<0.00002	0.000066 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000755	**0.000276 J**	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.00252**	<0.00003	<0.0003	<0.00003	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000123	<0.000126	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.00718**	0.0021	<0.00037	<0.000094	0.00071 J	<0.000039	0.000039 J	0.000046 J	<0.000037	<0.000037	<0.000037	<0.00049	0.000803	0.000714	<0.00024
Chrysene	*0.91*	*2*	0.00677 J	0.095	0.0015	0.0016	0.014	<0.000022	<0.000021	0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.0000777	<0.000021
Dibenzofuran	*0.098*	*0.29*	**0.214**	**0.54**	0.047	0.0073	**0.41**	<0.000021	<0.00002	0.00013	<0.00002	0.000058 J	0.000075 J	<0.00002	0.000507	0.000159 J	0.00012
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00214	0.0016	<0.0002	0.00014 J	<0.0002	0.000025 J	<0.00002	0.000027 J	<0.000034	<0.00002	<0.00002	<0.000021	<0.000104	0.000124 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0914	0.75	0.0098	0.0085	0.13	<0.00001	<0.00001	0.00025	0.000035 J	0.00011	<0.00001	<0.00001	0.000322 J	0.000188 J	0.00019
Fluorene	*0.98*	*2.9*	0.218	0.61	0.041	0.021	0.45	<0.000031	<0.00003	0.00013	<0.00003	0.000077 J	0.000059 J	<0.00003	0.000778	0.000264 J	0.00016
Naphthalene	*0.49*	*1.5*	**5.7**	**7.5**	**1.4**	<0.0002	0.0065	0.000096 J	<0.00002	0.002	0.000032 J	<0.00024	<0.00034	<0.000049	0.00176	0.000506	<0.0028
Nitrobenzene	*0.049*	*0.15*	<0.00214	<0.000024	<0.00024	<0.000024	<0.00024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000104	0.000124 J	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00194	<0.000025	<0.00025	<0.000025	<0.00025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0000943	<0.0000971	<0.000025
Pentachlorophenol	*0.001*	*0.001*	**<0.0118**	<0.000079	<0.00079	<0.000079	**0.0024**	<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**0.00272**	<0.000592	<0.000079
Phenanthrene	*0.73*	*2.2*	0.238	**1.9**	0.052	0.0033	0.67	<0.000022	<0.000021	0.00023	<0.000021	0.00024	<0.000021	<0.000021	0.00183	0.000611	0.00051
Phenol	*7.3*	*22*	<0.000777	0.0029	<0.00035	<0.000035	0.0014 J	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00284	0.00163	0.0032
Pyrene	*0.73*	*2.2*	0.0537	0.51	0.0063	0.0048	0.083	<0.00002	<0.000019	0.00015	<0.000019	0.000064 J	<0.000019	<0.000019	0.000194 J	0.000161 J	0.00016
Metals																	
Arsenic	*0.01*	*0.01*		0.00167 J	<0.0004	<0.0004	<0.000493	0.00115 J	0.00404	0.00383	0.00119 J	0.00201	0.000925 J	<0.0004			0.00157 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-76C 03/28/2018	MW-76C 05/25/2018	MW-76C 01/23/2019	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-77A 07/24/2014	MW-77A 01/30/2018	MW-77A 03/28/2018	MW-77A 05/24/2018	MW-77A 02/01/2019
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	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	0.00021 J	<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
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	<0.00012	<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	<0.00011	0.059	0.063	0.044	<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	<0.00015	<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	<0.00015	0.011	0.011	0.006	<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	<0.00026	0.1	0.11	0.058	<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	**<0.00519**	<0.00021	<0.00021	<0.00021	<0.000022
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.0041	<0.00004	<0.00038	0.00012 J	0.00006 J	<0.00004	<0.00004	<0.00004	<0.0146	0.014	0.015	0.007	<0.000042
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	**<0.00613**	<0.00058	<0.00058	<0.00058	<0.00006
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	**<0.00377**	<0.00042	<0.00042	<0.00042	<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	<0.00377	<0.00021	<0.00021	<0.00021	<0.000022
2-Methylnaphthalene	*0.098*	*0.29*	0.00012	0.000032 J	0.00031	<0.000019	<0.00045	<0.000019	<0.000024	<0.000019	<0.000019	<0.000019	0.0571	**0.2**	**0.28**	0.085	<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	**<0.0392**	<0.0002	<0.0002	<0.0002	<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	<0.0264	0.0044 J	<0.00047	<0.00047	<0.000049
Acenaphthene	*1.5*	*4.4*	0.00023	0.000071 J	0.00011	<0.000027	<0.00041	0.000049 J	<0.000027	<0.000027	<0.000027	<0.000027	0.0456	0.2	0.23	0.079	<0.000028
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	0.000035 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00283	0.0032	0.0035	0.0012	<0.000016
Anthracene	*7.3*	*22*	0.000055 J	0.000048 J	0.000041 J	<0.000014	<0.00017	<0.000014	0.000069 J	<0.000014	<0.000014	<0.000014	<0.00236	0.0034	0.0052	0.0025	<0.000015
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.000051	<0.00005	<0.00005	0.00014	0.000069 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00377	<0.0005	<0.0005	<0.0005	<0.000052
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	0.000037 J	0.000058 J	0.000029 J	<0.00002	<0.00002	<0.00002	**<0.00377**	<0.0002	<0.0002	<0.0002	<0.000021
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	**<0.00613**	<0.0003	<0.0003	<0.0003	<0.000031
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00015 J	0.000096 J	<0.000091	<0.000037	<0.00016	<0.000037	<0.000037	<0.000037	<0.00011	<0.00063	**<0.0175**	<0.00037	<0.00037	<0.00037	0.0001 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	0.00013	0.000039 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00377	<0.00021	<0.00021	<0.00021	<0.000022
Dibenzofuran	*0.098*	*0.29*	0.00012	0.000056 J	0.00011	<0.00002	<0.00029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0229 J	0.086	0.09	0.04	<0.000021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.00004 J	0.000027 J	0.000054 J	<0.00002	<0.00002	<0.000064	<0.00002	0.000028 J	<0.00003	<0.00519	<0.0002	<0.0002	<0.0002	0.000081 J
Fluoranthene	*0.98*	*2.9*	0.00018	0.00007 J	<0.00001	<0.00001	0.001	0.000092 J	0.000021 J	<0.00001	<0.00001	<0.00001	<0.0033	0.0014	0.0013	0.00067 J	<0.00001
Fluorene	*0.98*	*2.9*	0.00014	0.000076 J	0.000076 J	<0.00003	<0.00032	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.024	0.076	0.083	0.037	<0.000031
Naphthalene	*0.49*	*1.5*	0.0019	0.00036	0.007	0.00018 J	<0.0038	<0.00002	<0.00012	<0.00021	<0.00016	<0.000044	**0.884**	**7.8**	**6**	**1.5**	<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	<0.00519	<0.00024	<0.00024	<0.00024	<0.000025
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	<0.00472	<0.00025	<0.00025	<0.00025	<0.000026
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	**<0.0288**	<0.00079	<0.00079	<0.00079	<0.000082
Phenanthrene	*0.73*	*2.2*	0.00044	0.00023	0.000086 J	<0.000021	<0.00069	<0.000021	<0.000034	<0.000021	0.000072 J	<0.000021	0.0262	0.026	0.035	0.019	<0.000022
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.0012	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00189	<0.00035	<0.00035	<0.00035	<0.000036
Pyrene	*0.73*	*2.2*	0.00012	0.000048 J	<0.000019	<0.000019	0.0007	0.000069 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.00519	0.00068 J	0.001	0.00037 J	<0.00002
Metals																	
Arsenic	*0.01*	*0.01*	0.000631 J	0.000527 J	0.000579 J	0.00216	0.00299	0.000427 J	0.00269	0.000817 J	0.00171 J	0.000479 J		**0.0263**	**0.0187**	**0.019**	0.00207

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-77A 07/30/2019	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-78A 07/24/2014 DNAPL	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-79A 08/28/2014
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.0007	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.0007
Benzene	*0.005*	*0.005*	**0.063**	**0.058**	**0.021**	<0.0002	**0.044**	**0.054**	**0.015**	**0.0571**	**0.018**	**0.15**	**0.19**	**0.093**	**0.27**	**0.22**	**0.0485**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.0006
Ethylbenzene	*0.7*	*0.7*	0.072	0.063	0.022	<0.0003	0.04	0.051	0.015	0.0637	0.011	0.13	0.15	0.11	0.17	0.18	0.0215
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.00075	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.00075
Toluene	*1*	*1*	0.012	0.0069	0.0024	<0.0002	0.0067	0.0083	0.0013	0.1	0.033	0.27	0.32	0.27	0.48	0.39	0.076
Vinyl chloride	*0.002*	*0.002*								<0.00055							
Xylenes (total)	*10*	*10*	0.097	0.065	0.026	<0.0003	0.045	0.06	0.015	0.158	0.028	0.4	0.35	0.34	0.44	0.44	0.0763
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	**<0.0259**	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**	**<0.00539**
2,4-Dimethylphenol	*0.49*	*1.5*	0.062	0.055	0.0013	0.041	0.0089	0.027	<0.0004	**6.66**	**2.5**	**0.93**	**0.6**	0.081	**1.9**	**3.3**	**6.11**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00058	**<0.0307**	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**	**<0.00637**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.00042	**<0.0189**	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**	**<0.00392**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.0189	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00392
2-Methylnaphthalene	*0.098*	*0.29*	**0.2**	**0.22**	0.0023	**0.28 J**	0.082	**0.15**	0.063	**0.879**	**0.13**	**0.44**	**0.46**	**0.2**	**0.32**	**0.58**	**0.654**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	0.0015 J	<0.00002	<0.00002	<0.0002	**<0.196**	<0.00002	<0.0002	<0.0002	<0.0002	0.0019 J	<0.002	**<0.0407**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	0.0035 J	<0.000047	<0.000047	<0.00047	**<0.132**	<0.000047	<0.00047	0.0083 J	<0.00047	<0.00047	<0.0047	<0.0275
Acenaphthene	*1.5*	*4.4*	0.16	0.13	0.009	0.18	0.042	0.087	0.047	0.497	0.071	0.3	0.29	0.11	0.25	0.31	0.427
Acenaphthylene	*1.5*	*4.4*	0.0013	0.0013	<0.000015	0.0024	<0.000015	0.0013	0.00061 J	<0.0142	0.0015	<0.00015	0.0046	0.0018	0.0035	<0.0015	0.0112 J
Anthracene	*7.3*	*22*	0.0028	0.0036	0.00033	0.0058	0.0017	0.0026	0.0025	0.105 J	0.004	0.1	0.033	0.017	0.017	0.03	0.0673
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.0005	**0.0336 J**	0.00043	**0.042**	0.0049	0.0045	0.00068 J	<0.005	**0.00985 J**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	**<0.0189**	0.00014	**0.015**	**0.0019**	**0.0016**	<0.0002	**<0.002**	**<0.00392**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.0003	**<0.0307**	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.003**	**<0.00637**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000077	<0.000037	<0.00037	<0.000037	<0.000037	<0.00093	**<0.0873**	0.00092	0.00054 J	<0.00037	<0.00037	<0.00037	<0.0037	**<0.0181**
Chrysene	*0.91*	*2*	<0.000021	0.000041 J	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	0.0248 J	0.00039	0.038	0.0048	0.0041	0.00055 J	<0.0021	0.00948 J
Dibenzofuran	*0.098*	*0.29*	0.096	0.079	0.004	0.08	0.025	0.054	0.025	**0.411**	0.055	**0.26**	**0.22**	0.088	**0.2**	**0.24**	**0.342**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.0002	0.000065 J	<0.00002	<0.0002	<0.0259	0.0016	0.00059 J	<0.0002	<0.0002	<0.0002	<0.002	<0.00539
Fluoranthene	*0.98*	*2.9*	0.00052	0.00071	0.00012	0.0012	0.00029	0.00063	0.00042 J	0.165	0.0029	0.29	0.037	0.028	0.011	0.013	0.0713
Fluorene	*0.98*	*2.9*	0.078	0.067	0.0042	0.072	0.022	0.047	0.025	0.382	0.04	0.28	0.2	0.082	0.17	0.19	0.291
Naphthalene	*0.49*	*1.5*	**4.9 J**	**4.7**	0.01	0	**0.9**	**4.4**	**1.1**	**7.18**	**3.1**	**2.5**	0.2	0.2	**8**	**12**	**6.89**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00024	<0.0259	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.00539
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.0236	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.0049
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00079	**<0.144**	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**	**<0.0299**
Phenanthrene	*0.73*	*2.2*	0.032	0.031	0.0018	0.04	0.0096	0.019	0.013	0.604	0.031	0.72	0.24	0.13	0.13	0.18	0.355
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00035	0.192	0.13	0.015	0.004	0.00079 J	0.036	0.035	1.13
Pyrene	*0.73*	*2.2*	0.00041	0.00046	0.000067 J	0.00071 J	0.00017	0.00028	0.00027 J	0.0967 J	0.0018	0.16	0.023	0.017	0.0054	0.0073 J	0.0434
Metals																	
Arsenic	*0.01*	*0.01*	**0.0231**	**0.0237**	**0.0233**	0.00252	**0.0229**	**0.0239**	**0.0128**		0.00991	0.00915	**0.0298**	0.0088	**0.0276**	**0.0254**	

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-80B 08/28/2014	MW-80B 01/30/2018	MW-80B 03/28/2018	MW-80B 05/24/2018
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**1**	**0.3**	**0.36**	**0.45**	**0.013**	**0.12**	**0.18**	**0.32**	**0.3**	**0.1**	**0.29**	0.0000898 J	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.00012	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.18	0.12	0.14	0.19	0.0067	0.075	0.087	0.16	0.12	0.039	0.13	<0.00011	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.00015	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.99	0.44	0.48	0.55	0.018	0.26	0.31	0.5	0.43	0.14	0.39	<0.00015	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	0.48	0.31	0.41	0.54	0.023	0.2	0.22	0.43	0.34	0.1	0.35	<0.00026	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.00011	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**11**	**11**	**20**	**2.5**	0.33	**6.7**	**1.2**	0.2	**4**	**1.9**	**6.8**	<0.00031	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	<0.00058	<0.00058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.00013	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.00008	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00008	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.17**	**0.42**	**0.44**	**0.1**	0.051	**0.43**	0.07	**0.34 J**	**0.29**	**0.1**	**0.18**	0.000158 J	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	0.0024 J	<0.00083	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	0.016 J	<0.00047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.0047	<0.00056	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.13	0.17	0.16	0.039	0.034	0.19	0.031	0.15	0.09	0.043	0.083	0.0000835 J	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.0045	<0.00015	0.0056	0.0015	0.00076	0.0036	0.00057	0.0049	0.0033	<0.00015	0.0033 J	<0.00006	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0057	0.0092	0.0084	0.0021	0.002	0.0094	0.00074	0.0071	0.005	0.0027	<0.0014	<0.00005	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.0005	<0.0005	<0.0005	0.00023	0.00081	0.000067 J	<0.0005	<0.0005	<0.0005	<0.005	<0.00008	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	**0.00029**	<0.00002	**0.00027 J**	<0.0002	<0.0002	**<0.002**	<0.00008	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.00013	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	<0.00037	<0.00037	0.00055	<0.000037	<0.000037	<0.00037	<0.00037	<0.00037	<0.0037	0.00106	<0.000069	<0.000037	0.00012 J
Chrysene	*0.91*	*2*	<0.00021	<0.00021	<0.00021	<0.00021	0.00027	0.00072	0.000058 J	0.00022	<0.00021	<0.00021	<0.0021	<0.00008	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.097	**0.14**	0.092	0.037	0.026	**0.14**	0.024	0.096	0.075	0.031	0.064	<0.00008	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	0.00098	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.00011	<0.00002	<0.00002	0.000047 J
Fluoranthene	*0.98*	*2.9*	0.0036	0.0051	0.0023	0.001	0.0012	0.0076	0.00034	0.0025	0.0014	0.0014	0.0027 J	<0.00007	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.063	0.081	0.056	0.022	0.017	0.094	0.009	0.055	0.047	0.018	0.04	<0.00007	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	**7.9**	**8.5**	**15**	**1.9**	**0.74 J**	**9**	**1.3**	**0.7**	0.4	**1.8**	**4.8**	0.00157	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.0024	<0.00011	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0025	<0.0001	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.00061	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.038	0.049	0.039	0.012	0.0082	0.081	0.0048	0.039	0.025	0.015	0.028	0.0000792 J	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	2.6	4	4.2	0.51	0.063	0.35	0.25	0.16 J	0.4	<0.00035	1.6	0.00018 J	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	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	<0.00011	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	**0.0184**	**0.0149**	**0.0134**	**0.0133**	0.00991	0.00893	**0.0108**	**0.014**	**0.0151**	0.00832	**0.0148**		0.00286	0.00187 J	0.00202

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-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
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	<0.00014	<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	<0.00008	<0.0002	<0.0002	0.00021 J	<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	<0.00012	<0.0003	<0.0003	0.00036 J	<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	<0.00011	<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	<0.00015	<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	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.00011						
Xylenes (total)	*10*	*10*	<0.0003	<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	<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	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.00028	<0.00004	0.00016 J	<0.00004	<0.00004	<0.00004	<0.000301	<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	<0.000126	<0.000058	<0.000059	0.00079	<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	<0.0000777	<0.000042	<0.000042	0.001	<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	<0.0000777	<0.000021	<0.000021	0.0018	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000036	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000068	<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	<0.000806	<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	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.000046 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0000777	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000077
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000026 J	0.000027 J	<0.000014	<0.000014	<0.000014	0.000032 J	<0.0000485	<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	<0.0000777	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	0.000051 J	<0.00002	<0.00002	<0.00002	<0.0000777	<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	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00007 J	<0.000069	0.000055 J	<0.00012	<0.000097	<0.00009	<0.000037	<0.000359	<0.000037	<0.000037	0.00006 J	0.000058 J	<0.000037	<0.000066
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000048 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.000107	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.000047 J	<0.00001	0.000027 J	<0.00001	<0.00001	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000032 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000068	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	0.000068 J	<0.00002	<0.00034	<0.00007	<0.00023	<0.00002	<0.00015	0.00017	<0.0000777	<0.00002	<0.00002	<0.00002	0.00016	0.000099 J	<0.00023
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000592	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000027 J	0.000049 J	<0.000021	<0.000021	<0.000021	<0.000021	0.0000944 J	<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	<0.000035	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	0.000027 J	<0.000019	0.000027 J	<0.000019	<0.000019	<0.000107	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	0.0018 J	0.00162 J	0.00212	0.00122 J	0.00114 J	0.000829 J	0.00125 J	0.00139 J		0.00207	0.00134 J	0.00203	0.00116 J	0.000563 J	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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-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
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
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
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
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	0.00066 J
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
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
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00065 J	<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
2,4-Dimethylphenol	*0.49*	*1.5*	0.00063	<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
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
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000065 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000019 J	<0.000019	<0.000019	0.0001	<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
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
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000027 J	<0.000027	<0.000027	0.000043 J	<0.000027	<0.000027	0.00025	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000015 J	<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	0.000068 J	0.000091 J	0.000042 J	<0.000014	0.000031 J	<0.000014	0.000015 J	<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
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
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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000087 J	<0.000081	<0.000062	<0.00034	0.00011 J	<0.000037	<0.00056	<0.000037	<0.000037	<0.000037	0.000052 J	<0.000058	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	0.00004 J	<0.00002	0.000045 J	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00027	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000022 J	<0.000027	<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	0.000015 J	0.000028 J	<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 J	<0.00003	<0.00003	0.000037 J	<0.00003	0.000033 J	0.000089 J	<0.00003
Naphthalene	*0.49*	*1.5*	0.00097	<0.000074	<0.000075	<0.00014	<0.00002	0.00019	<0.00015	0.00002 J	<0.00002	<0.00002	<0.00041	<0.00002	<0.00002	<0.00027	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	<0.000024
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
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
Phenanthrene	*0.73*	*2.2*	0.000061 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00012	<0.000021	0.00008 J	<0.000021	<0.000021
Phenol	*7.3*	*22*	0.00016 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	<0.000019	<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*	0.00244	<0.00187	0.000509 J	<0.0004	0.000454 J	0.00271	0.00175 J	**0.0103**	0.00838	0.00873	0.00484	0.00299	0.00547	0.00238	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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-83B 02/08/2018	MW-83B 03/22/2018	MW-83B 06/07/2018	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
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	<0.002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.018**	**0.019**	**0.02**	**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**
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	<0.003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.08	0.1	0.085	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
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	**<0.05**	**<0.01**	<0.001	<0.001
Toluene	*1*	*1*	0.0055	0.0046	0.0049	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
Vinyl chloride	*0.002*	*0.002*							<0.0002								
Xylenes (total)	*10*	*10*	0.1	0.11	0.091	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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.000021	<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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.0004	<0.00004	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00059	<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	<0.00042	<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
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<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
2-Methylnaphthalene	*0.098*	*0.29*	**0.15**	**0.75**	**0.23**	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**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<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	<0.000047
Acenaphthene	*1.5*	*4.4*	0.098	0.33	0.11	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
Acenaphthylene	*1.5*	*4.4*	0.00086 J	0.0016	0.00064	<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
Anthracene	*7.3*	*22*	0.01	0.011	0.007	0.0014	0.0012	0.00099	0.0039	0.00043	0.00057	**.0020 J**	**.0042 J**	0.0077	0.0061	0.0045 J	0.0061 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00051	0.000058 J	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0002	<0.00002	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	0.00012 J	<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
Chrysene	*0.91*	*2*	<0.00021	<0.00021	0.00009 J	<0.000021	<0.000021	<0.000021	0.000065 J	<0.000021	<0.000021	<0.000021	0.000062	**.00010 J**	0.000064	0.000036 J	0.00007 J
Dibenzofuran	*0.098*	*0.29*	0.043	**0.17**	0.061	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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	0.000094 J	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
Fluoranthene	*0.98*	*2.9*	0.0035	0.0043	0.0046	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
Fluorene	*0.98*	*2.9*	0.046	0.072	0.039	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
Naphthalene	*0.49*	*1.5*	**2.6**	**14**	**2**	**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**
Nitrobenzene	*0.049*	*0.15*	<0.00024	<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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<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
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.0008	<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*	0.04	0.071	0.045	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
Phenol	*7.3*	*22*	<0.00035	<0.00035	<0.000035	<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
Pyrene	*0.73*	*2.2*	0.0029	0.0023	0.0026	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
Metals																	
Arsenic	*0.01*	*0.01*	**0.0353**	**0.0185**	**0.0673**	**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**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-83B 07/20/2022	MW-83B 07/20/2022 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-84A 03/12/2020	MW-84A 05/21/2020
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
Benzene	*0.005*	*0.005*	0.002 J	0.0034 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
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
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	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	<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
Toluene	*1*	*1*	0.0013	0.0016	<0.0002	<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*	0.0097 J	0.017 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	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<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	0.00061	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<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	<0.000059	<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	<0.000043	<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
2-Methylnaphthalene	*0.098*	*0.29*	0.025	0.031	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	<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
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000048	<0.000047
Acenaphthene	*1.5*	*4.4*	0.022	0.024	0.00083	0.001	0.00017	<0.000027	0.000094 J	0.00018	0.00029	<0.000051	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.00014	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
Anthracene	*7.3*	*22*	0.001	0.00099	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	<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	<0.000051	<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
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	<0.000031	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00011 J	0.000037 J	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	<0.000038	<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
Dibenzofuran	*0.098*	*0.29*	0.0086	0.0084	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	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00033 J	0.00053 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	<0.00001
Fluorene	*0.98*	*2.9*	0.0073	0.0069	0.00035	0.00034	0.000067 J	<0.00003	<0.00003	0.00012	0.00026	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003
Naphthalene	*0.49*	*1.5*	0.18 J	0.25 J	0.012	0.016	0.00039	<0.00036	0.0014	0.0018	0.002	<0.00034	<0.00002	0.00019	0.00011	0.000023 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	<0.000024	<0.000024	<0.000024	<0.000024
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	<0.000026	<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	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079
Phenanthrene	*0.73*	*2.2*	0.007	0.0067	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	<0.000021
Phenol	*7.3*	*22*	<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	<0.000036	<0.000035
Pyrene	*0.73*	*2.2*	0.00019 J	0.00032 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	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	**0.0165 J**	**0.0358 J**	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	0.00464	**0.0112**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-84B 02/08/2018	MW-84B 03/27/2018	MW-84B 06/07/2018	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
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
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0097**	**0.0086**	0.0017	0.002	0.0019	0.0024	**0.01**	**0.0064**	0.0022	0.00049 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	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.039	0.037	0.0036	0.0029	0.0026	0.0051	0.013	0.0094	0.0037	0.00047 J
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
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0025	0.00099 J	<0.0002	<0.0002	<0.0002	0.00056 J	0.0015	<0.0002	0.00075 J	<0.0002
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.035	0.031	0.003	0.0019	0.0017	0.0033	0.0041	0.0032	0.0019	<0.0003
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**0.0014 J**	<0.00021	<0.00021	<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	<0.0004	0.0017 J	0.00048	<0.00004	<0.00016	0.00081	0.00048	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<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	<0.00042	<0.00042	<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	<0.00021	<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	**0.55**	**0.58**	0.025	0.074 J	**0.2 J**	<0.000019	0.0027	0.0065	0.0004	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	**0.0038**	<0.00002	<0.00002	<0.00002	<0.00002	0.00035	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<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	0.22	0.27	0.031	0.048 J	0.14 J	0.000032 J	0.008	0.025	0.003	0.00051
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.003	0.0032	0.00061 J	0.00062	<0.000015	0.000043 J	0.0003	0.00031	0.000053 J	0.000058 J
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.02	0.0092	0.0022	0.0027 J	0.0042 J	<0.000014	0.00042	0.00095	<0.00019	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.000042	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<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	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00024	<0.000075	0.000097 J	<0.000037	<0.000037	0.00056 J	<0.00037	<0.00037	<0.000037	<0.000037	<0.000037	0.00026	<0.000037	0.000074 J	<0.000099
Chrysene	*0.91*	*2*	<0.000045	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000025	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**0.13**	**0.22**	0.019	0.037 J	0.077 J	<0.00002	0.0054	0.015	0.0023	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000047	0.00045	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	0.000055 J	<0.00002	<0.000023	0.00053
Fluoranthene	*0.98*	*2.9*	<0.000038	<0.00001	<0.00001	<0.00001	<0.00001	0.0039	0.0029	0.00069 J	0.0011 J	0.0016 J	<0.00001	0.00015	0.00037	<0.00015	0.000021 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.074	0.076	0.011	0.018 J	0.039 J	<0.00003	0.0026	0.0063	0.0012	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00013	<0.00002	<0.00002	0.000063 J	<0.00002	**2.4**	**2.2**	0.066	0.49 J	**0.95 J**	<0.00002	0.06 J	0.13	0.025	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.000054 J
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**0.005**	0.000094 J	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000024	<0.000021	<0.000021	<0.000021	<0.000021	0.088	0.072	0.013	0.024 J	0.043 J	<0.000021	0.0021	0.0065	<0.0012	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00035	0.00062 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000038	<0.000019	<0.000019	<0.000019	<0.000019	0.0025	0.0018	0.00036 J	0.00062 J	0.00097 J	<0.000019	0.00011	0.00025	<0.000097	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	**0.0143**	0.00145 J	0.00121 J	0.00267	0.00328	0.00269	0.00277	<0.0004	<0.0004	<0.0004	0.00219	0.00838	0.00363	0.00462	0.00262

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-84B 07/20/2021	MW-84B 01/21/2022	MW-84B 07/26/2022	MW-85C 02/01/2018	MW-85C 03/28/2018	MW-85C 05/24/2018	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-86C 02/01/2018
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	<0.005	<0.0002	<0.0002	<0.0002	**0.046 J**	<0.0002
Benzene	*0.005*	*0.005*	0.00033 J	<0.0002	<0.0002	<0.0002	**0.013**	0.0026	<0.0002	0.00093 J	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	**<0.01**	<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	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<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	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<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	**<0.025**	<0.001	<0.001	<0.001	**<0.05**	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	<0.01	<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	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<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	0.000069 J
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00049	0.00059	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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
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
2-Methylnaphthalene	*0.098*	*0.29*	0.00004 J	<0.000019	<0.000019	0.0001 J	0.000049 J	0.000067 J	<0.000019	<0.000019	<0.000041	<0.000031	<0.000019	<0.000019	0.0013	0.000041 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
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	0.00077 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000059 J	<0.000027	<0.000027	0.00013	<0.000027	<0.000027	<0.000028	<0.000027	<0.000077	0.0012	<0.000027	<0.000027	0.0025	<0.000027	0.00091
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	0.000062 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.00003	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00015	<0.000014	<0.000014	0.0015	0.00032	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00048	<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	0.000031 J	<0.00002	<0.00002	<0.00002	0.00018	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<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*	<0.000037	<0.000037	<0.000037	0.000091 J	0.0002	0.00013 J	<0.000038	<0.000037	<0.00016	<0.000089	<0.000037	0.000063 J	<0.00017	<0.00062	0.000053 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	0.00043	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.000087 J	<0.00002	0.000036 J	<0.00002	<0.00002	<0.000059	0.0007	<0.00002	<0.00002	0.0021	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.00023	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00002	<0.000038	0.000025 J	<0.00002	<0.00002	<0.00002	0.000093 J
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	<0.00001	<0.00001	<0.00001	0.00025	0.0001 J	<0.00001	<0.00001	0.0037	0.00012	0.00011
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.00011	<0.00003	0.000034 J	<0.000031	<0.00003	<0.000055	0.00059	<0.00003	<0.00003	0.0033	<0.00003	0.00038
Naphthalene	*0.49*	*1.5*	0.0005	<0.00002	<0.00002	0.00069	0.0017	0.0026	<0.00002	0.0012 J	<0.00046	0.0031	0.000051 J	<0.00017	0.0056	0.00036	0.000054 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
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	0.00015 J	<0.000081	<0.000079	<0.000079	0.00061 J	<0.000079	<0.000079	0.00016 J	0.00029	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	0.0001	<0.000021	0.0001	<0.000021	<0.000021	<0.000067	<0.00026	0.000035 J	<0.000021	0.014	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.00011 J	<0.000035	<0.000035	<0.000036	<0.000035	<0.000042	0.000048 J	<0.000035	<0.000035	<0.000035	0.0011	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00021	0.000065 J	<0.000019	<0.000019	0.0023	0.00013	0.00006 J
Metals																	
Arsenic	*0.01*	*0.01*	0.00168 J	0.00177 J	0.00146 J	0.00152 J	0.00287	0.00588	0.00136 J	0.000633 J	0.00272	**0.17**	<0.0019	0.008	**0.0213**	**0.191 J**	0.00146 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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
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
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
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
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
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0039	0.0045	<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	<0.0003	<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
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	0.00018 J	<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
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
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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000061 J	0.000066 J	<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
4-Nitrophenol	*0.049*	*0.15*	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	<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	<0.000027	<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
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00012	0.000015 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
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
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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	0.000052 J	0.000061 J	<0.000057	<0.0001	0.00006 J	0.00005 J	<0.000037	<0.000053	<0.000037	<0.000037	<0.000037	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
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	0.000059 J	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000051 J	<0.00002	<0.00002	<0.00002	<0.00002	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
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	<0.000028	0.000027 J	<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	0.000074 J	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.000079 J	<0.00002	0.000079 J	<0.00002	0.00012 J	0.00031 J	<0.00075	<0.00022	<0.000034	0.000082 J	<0.000089	<0.00017
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
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
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
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	0.000032 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00036	<0.000086	0.00015	<0.000021	<0.000047
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
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
Metals																	
Arsenic	*0.01*	*0.01*	0.00156 J	0.00612	0.00608	0.00768	0.00824	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

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-86C 07/18/2022	MW-87C 02/08/2018	MW-87C 03/27/2018	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-88A 03/17/2020	MW-88A 05/26/2020	MW-88A 07/15/2020
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
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
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
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
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
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
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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	**0.0028**	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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.00004 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00029
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<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	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	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
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00043	0.00014	0.000019 J	<0.000019	<0.000019	0.00023	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00045
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	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
4-Nitrophenol	*0.049*	*0.15*	<0.000047	0.00033 J	<0.000047	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
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00042	0.00011	0.000027 J	<0.000027	<0.000027	0.00011	0.00024 J	<0.000027	<0.000027	<0.000027	<0.000027	0.0015	0.0011	0.0035
Acenaphthylene	*1.5*	*4.4*	<0.000015	<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
Anthracene	*7.3*	*22*	<0.000014	0.000081 J	<0.000014	0.000014 J	<0.000014	<0.000014	0.000088 J	0.0001 J	0.000014 J	<0.000014	<0.000014	<0.000014	<0.000014	0.00015	0.000045 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<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	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000067	0.0003	<0.000037	0.00012 J	<0.000037	<0.00018	<0.000037	<0.000037	<0.000037	<0.000037	0.000064 J	<0.000037	0.0001 J	0.000064 J	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	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
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00032	0.000063 J	0.00002 J	<0.00002	<0.00002	0.00011	0.00012 J	0.000063 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00038
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000062 J	<0.00002	<0.00002	0.00002 J	<0.00002	0.00017 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00008 J	<0.000053
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.00001 J	<0.00001	<0.00001	<0.000086	0.00057 J	<0.00001	0.000053 J	<0.00001	0.000013 J	0.00025	0.00022 J	0.00025
Fluorene	*0.98*	*2.9*	<0.00003	0.00027	<0.00003	0.00003 J	<0.00003	<0.00003	0.000093 J	0.00022 J	0.000057 J	<0.00003	<0.00003	<0.00003	0.00026	0.000075 J	0.00089
Naphthalene	*0.49*	*1.5*	0.000067 J	0.0014	0.00038	0.00002 J	<0.00002	<0.00017	0.0011	<0.00002	<0.00002	<0.00002	<0.00012	<0.00002	<0.00002	<0.00002	0.0097
Nitrobenzene	*0.049*	*0.15*	<0.000024	<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	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	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
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	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
Phenanthrene	*0.73*	*2.2*	0.000022 J	0.00048	0.00015	0.000021 J	<0.000021	<0.000021	<0.00028	0.00058 J	0.000056 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000027 J	0.000071 J
Phenol	*7.3*	*22*	<0.000035	<0.00011	<0.000035	0.000035 J	<0.000035	0.00013 J	0.00048	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00026
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	0.000019 J	<0.000019	<0.000019	<0.000057	0.00042 J	<0.000019	0.00004 J	<0.000019	<0.000019	0.00053	0.0006	0.00068
Metals																	
Arsenic	*0.01*	*0.01*	0.00586	<0.0004	<0.0004	<0.0004	0.000587 J	<0.0004	0.00135 J	0.00135 J	<0.0004	0.000865 J	<0.0004	<0.0004	0.00355	0.00405	0.00345

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-88A 01/19/2021	MW-88A 07/08/2021	MW-88A 01/12/2022	MW-88A 07/12/2022	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-88C 02/01/2018	MW-88C 03/19/2018	MW-88C 05/24/2018	MW-88C 01/08/2019
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	<0.0002	<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
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
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
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
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
Vinyl chloride	*0.002*	*0.002*							<0.0002								
Xylenes (total)	*10*	*10*	<0.0003	<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
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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<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
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	<0.000059	<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
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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.000074 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00015	0.00013	<0.000019	0.000052 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
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
Acenaphthene	*1.5*	*4.4*	<0.000027	0.000075 J	0.00025	0.000032 J	<0.000027	<0.000027	<0.000037	<0.000027	<0.000027	0.00012	0.000057 J	0.000053 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
Anthracene	*7.3*	*22*	<0.000014	0.000056 J	0.000016 J	0.000079 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	<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	<0.000051	<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
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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.00017	0.000051 J	0.00046	<0.000037	0.000052 J	<0.00006	<0.000093	<0.000037	<0.000037	0.00056	0.000052 J	<0.000037	0.00017 J	<0.000037
Chrysene	*0.91*	*2*	<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	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000079 J	<0.00002	<0.00002	<0.00002	<0.000024	<0.00002	<0.00002	0.00012	0.000051 J	0.000023 J	0.000056 J	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000032 J	0.000025 J	<0.00002	0.00015 J	<0.00002	<0.000048	<0.00002	0.000025 J	0.000023 J	<0.00002	0.000025 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.000074 J	0.00016	0.0002	0.00008 J	<0.00001	<0.00001	<0.000044	0.000023 J	<0.00001	0.00005 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	0.000053 J	0.000069 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000098 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	0.00006 J	<0.00014	<0.00002	<0.00002	<0.00002	<0.000083	<0.00002	<0.00037	0.00049	0.001	0.00011	0.00055	0.00011	<0.000059
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
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
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	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000051 J	0.000095 J	<0.000021	<0.000021	<0.000021	<0.000075	<0.000021	0.000066 J	0.00017	0.000023 J	0.00003 J	<0.000021	0.000035 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
Pyrene	*0.73*	*2.2*	0.00026	0.00069	0.00035	0.00033	<0.000019	<0.000019	0.000025 J	0.000031 J	<0.000019	0.000038 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	0.00208	0.00279	0.00185 J	0.0025	0.00166 J	0.00246	0.00268	0.00228	0.00198 J	0.00512	0.00102 J	0.000557 J	0.000653 J	0.00346	0.000864 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-89B 07/19/2018	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
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
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
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
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
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
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
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
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
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
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
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
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
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.00034	0.000077 J	<0.000019	<0.00015	0.000037 J	0.000054 J	<0.000019	0.00005 J	<0.000032	<0.000019	<0.000019	<0.000019	0.00052
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
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
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.000051 J	<0.000027	<0.000027	<0.00012	<0.000027	<0.000027	<0.000027	<0.000027	<0.000083	<0.000027	<0.000027	<0.000027	0.00013
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	0.000045 J	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.00002 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.0002	<0.000014	<0.000014	<0.000014	0.000032 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	0.00017	<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	0.000079 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	<0.00003	<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	0.000064 J	<0.000037	<0.000037	<0.000037	0.000068 J	0.00007 J	0.000065 J	<0.000037	0.00015 J	0.000099 J	<0.000037	<0.00011	0.000061 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	0.00024	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.000052 J	0.000063 J	<0.00002	<0.000091	<0.00002	<0.00002	<0.00002	<0.00002	<0.00011	<0.00002	<0.00002	<0.00002	0.00016
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000038 J	0.000034 J	<0.00002	<0.00011	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.000025 J	<0.00001	<0.00001	0.000073 J	<0.00001	<0.00001	<0.00001	0.0012	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000069	<0.00003	<0.00003	<0.00003	<0.00003	<0.00018	<0.00003	<0.00003	<0.00003	0.000077 J
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.0058	0.0022	<0.000026	<0.0013	0.00019	0.0009	<0.00002	0.00025	<0.00029	<0.0002	<0.00002	0.000051 J	0.0034
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
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
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
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	0.000054 J	<0.000021	<0.000021	<0.000021	0.00083	0.000058 J	<0.000021	<0.000021	0.00015
Phenol	*7.3*	*22*	0.00055	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00042	<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	0.000044 J	<0.000019	<0.000019	<0.000019	0.00081	<0.000019	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	<0.0004	0.000862 J	0.000557 J	0.000821 J	0.000739 J	0.000907 J	0.00064 J	0.00138 J	0.000683 J	<0.0004	0.000463 J	0.00193 J	0.000715 J	0.00121 J	0.000936 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-89B 07/20/2022	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	MW-90B 01/14/2021	MW-90B 07/19/2021	MW-90B 01/14/2022	MW-90B 07/27/2022	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
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
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
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
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
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
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
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
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	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.000075 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000042	<0.00004	<0.00004	0.00026	<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	<0.000061	<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	<0.000044	<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	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.00034	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	0.011	<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	<0.000021	<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	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	0.00015	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	<0.000027	0.007	<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	<0.000016	<0.000015	<0.000015	0.00026	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000015	<0.000014	<0.000014	0.0003	0.000044 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000053	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	0.000041 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	<0.000032	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000097 J	<0.000037	0.00011 J	<0.000037	<0.000037	<0.000064	<0.000037	<0.000037	<0.000037	<0.000039	<0.000037	<0.000037	<0.0001	0.000099 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	<0.000022	<0.000021	<0.000021	<0.000021	0.000061
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.0046	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000071 J	0.00062	<0.00002	<0.00002	<0.00002	0.000031 J	0.00019 J	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00012	0.000055 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.000011	<0.00001	<0.00001	0.00012	0.0001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	0.00013	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000032	<0.00003	<0.00003	0.0038	<0.00003
Naphthalene	*0.49*	*1.5*	0.000038 J	<0.00002	0.000045 J	0.000091 J	0.003	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	0.000083 J	0.00037	<0.00002	0.093	<0.00019
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	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024
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	<0.000026	<0.000025	<0.000025	<0.000025	<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	<0.000083	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.0004	0.00004 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	0.0029	0.000098 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	0.00019 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000037	<0.000035	<0.000035	0.00011 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000077	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	0.000062 J	0.000099 J
Metals																	
Arsenic	*0.01*	*0.01*	0.000693 J	0.00169 J	0.00346	**0.0135**	0.0029	0.00814	0.00314	0.00111 J	**0.0106**	**0.0129**	0.00989	**0.0169**	**0.0197**	**0.0179**	**0.0187**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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-93B 03/12/2020	MW-93B 05/22/2020	MW-93B 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
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
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
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
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
Toluene	*1*	*1*	<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	0.00092 J	0.00036 J	<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
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
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	<0.000041	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<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	<0.000043	<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
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	0.00024	<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
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	<0.000048	<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	<0.000027	0.00016	<0.000027	0.000039 J	<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
Anthracene	*7.3*	*22*	0.000022 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00026	<0.000055	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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
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	<0.000031	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000037 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00006	0.000062 J	<0.000037	<0.000037	<0.000038	0.000053 J	0.00013 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
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	0.00038	<0.00002	0.000071 J	<0.00002	<0.00002
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	0.000068 J	0.000052 J
Fluoranthene	*0.98*	*2.9*	0.000057 J	<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	<0.00001	<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	0.0002	<0.00003	0.000058 J	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00034	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0001	<0.00002	<0.00002	0.005	<0.00021	<0.00002	<0.00002	<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
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	<0.000026	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000044 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00028	<0.000041	0.00016	<0.000021	<0.000021
Phenol	*7.3*	*22*	0.000051 J	<0.000035	<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
Pyrene	*0.73*	*2.2*	0.000055 J	<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	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	**0.014**	**0.0188**	**0.0206**	**0.0217**	**0.0232**	0.00201	0.0038	0.00478	0.00633	0.00308	0.00324	0.00408	0.00455	**0.0133**	0.00967

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-93B 01/14/2021	MW-93B 07/19/2021	MW-93B 01/14/2022	MW-93B 07/26/2022	MW-94A 03/12/2020	MW-94A 05/22/2020	MW-94A 07/20/2020	MW-94A 01/12/2021	MW-94A 07/19/2021	MW-94A 01/25/2022	MW-94A 07/26/2022	MW-95A 03/17/2020	MW-95A 05/22/2020	MW-95A 07/20/2020	MW-95A 01/13/2021
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
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
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
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
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
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
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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	<0.000038	<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	<0.000021	<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	<0.000048	<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*	<0.000027	<0.000027	<0.000027	<0.000061	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000048	<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
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.00006	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00002	<0.000014	<0.000014	<0.000014	0.000015 J
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00011	<0.000037	<0.000037	<0.000037	0.000056 J	<0.000037	0.00004 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000058 J
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.000033	<0.000021	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	0.000033 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00029	<0.00002	<0.00002	<0.00002	<0.000021	0.000072 J	<0.00002	<0.000055	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00036
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.000033	<0.00001	<0.00001	0.000019 J	0.000031 J	<0.00001	<0.00001	<0.000097	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.000043	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	0.000077 J	0.000063 J	0.00014	<0.00007	<0.000021	<0.00002	<0.00002	<0.00025	<0.00002	<0.00002	<0.000098	<0.00002	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000058	<0.000022	<0.000021	<0.000021	<0.000037	<0.000021	<0.000021	<0.000064	<0.000021	<0.000021	<0.000021	0.000032 J
Phenol	*7.3*	*22*	<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	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000024	<0.00002	<0.000019	<0.000019	0.000022 J	<0.000019	<0.000019	<0.000071	<0.000019	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	**0.0182**	0.00428	0.00952	0.00158 J	0.0054	0.006	0.00455	0.00762	0.0039	0.00168 J	0.00203	0.000977 J	0.00254	0.00378	<0.00194

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-95A 07/14/2021	MW-95A 01/25/2022	MW-95A 07/22/2022	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-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*	<0.0002	<0.0002	<0.0002	<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
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
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
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
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
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
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	<0.000022
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	<0.00004	<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	<0.000058	<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	<0.000042	<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	<0.000021	<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	<0.000019	<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	<0.00002	<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	<0.000047	<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	<0.000027	<0.000027	<0.000027	<0.000027	<0.000028
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000039 J	<0.000015	<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	<0.000014	<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	<0.00005	<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	<0.00002	<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	<0.000032
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000079 J	<0.000037	<0.000037	0.00035	0.00013 J	<0.000037	<0.000037	0.00017 J	<0.000037	<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	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022
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	<0.000024	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000077 J	<0.00002	0.000035 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000084 J	<0.00002	0.00023
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	<0.00001	0.000013 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	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.000056	<0.00002	<0.000086	<0.00002	<0.00002	0.000083 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.000062	<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	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025
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	<0.000026
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	<0.00008	<0.000079	<0.000079	<0.000083
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000027	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000023	<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	<0.000035	<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	<0.000019	<0.000019	<0.000019	0.000025 J	<0.00002
Metals																	
Arsenic	*0.01*	*0.01*	<0.00274	0.00306	<0.0004	0.00312	0.00311	0.00179 J	0.00192 J	<0.000972	<0.0004	<0.0004	<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.
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 - 2022)
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-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-98B 03/12/2020	MW-98B 05/26/2020	MW-98B 07/16/2020	MW-98B 01/11/2021	MW-98B 07/27/2021
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
Benzene	*0.005*	*0.005*	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	0.00024 J	<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	<0.0015	<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
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
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
Toluene	*1*	*1*	<0.0002	<0.001	<0.0002	0.00065 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.002	0.00054 J	0.0006 J	<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
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
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.000078 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	0.00024	<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	<0.000059	<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	<0.000043	<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
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	<0.00002	0.000037 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
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	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.00014	0.00004 J	<0.000027	<0.00003	<0.000027	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	<0.000047	0.000074 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
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000022 J	<0.000014	0.000055 J	0.00008 J	0.000028 J	<0.000014	<0.000014	0.00004 J	<0.000014	<0.000014	0.000028 J	0.000064 J	<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	<0.000051	<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
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	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000085	0.000058 J	<0.00064	<0.000038	0.000068 J	<0.000037	0.000089 J	<0.000079	<0.000037	<0.000037	<0.000038	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00018	<0.00002	<0.00002	<0.000021	0.000046 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000038	0.000098 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000028	<0.00002	0.000027 J	<0.00002	0.00025	<0.00002	<0.00002	<0.00002	<0.00002	0.00011 J	<0.00003	<0.00014	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000047 J	0.000018 J	0.000023 J	<0.000033	0.000044 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000038	0.000072 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000046 J	<0.000031	<0.00003	<0.000051	0.000056 J	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00006	0.00017	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.0035	0.000042 J	<0.00002	<0.00011	0.0001	<0.00002	0.000092 J	<0.000098	0.000036 J	<0.00002	<0.00016	0.00032	<0.00011
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
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	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	0.00008 J	<0.000081	<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	0.00011	<0.000021	0.000048 J	<0.0001	0.0001	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00013	0.00034	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.000038 J	<0.000019	<0.000019	0.000031 J	0.000025 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	0.000048 J	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*	0.000695 J	0.000907 J	0.000546 J	0.00963	**0.0119**	**0.0187**	0.00968	**0.0119**	**0.0134**	**0.011**	0.00165 J	0.00214	0.00302	0.0029	0.00468

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-98B 01/06/2022	MW-98B 07/14/2022	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	MW-99C 01/20/2022	MW-99C 07/19/2022	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
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			
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<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	<0.0003	<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			<0.00025			
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.00054			
Toluene	*1*	*1*	<0.0002	<0.0002	0.00078 J	0.00051 J	<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	<0.0003	<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	<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						
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						
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						
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*	0.000063 J	<0.000019	0.000086 J	0.000036 J	0.00005 J	<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						
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047						
Acenaphthene	*1.5*	*4.4*	0.000088 J	<0.000027	<0.000028	<0.000027	0.000068 J	<0.000027	<0.000027	<0.000027	<0.000027	0.00373	0.00854	0.0106	<0.0008	<0.0009	<0.0009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00028	<0.00028	0.00053	<0.0007	<0.0005	<0.0005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000703	0.00036 J	0.000747	<0.0007	<0.0006	<0.0006
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						
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						
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						
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000076	<0.00059	0.00007 J	<0.000037	<0.000037	<0.00011	0.000061 J	<0.000037	<0.000037	0.00023 J	<0.00019	0.00022 J	<0.0012	<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						
Dibenzofuran	*0.098*	*0.29*	0.000085 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000713	0.00175	0.00176	<0.0007	<0.0007	<0.0007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.000021	<0.00002	0.00019 J	0.00019 J	<0.000029	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	0.00092 J	<0.0007	<0.0005	<0.0005
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000013 J	<0.00001	<0.00001	<0.00001	0.000506	0.00025 J	0.00022 J	<0.0006	<0.0005	<0.0005
Fluorene	*0.98*	*2.9*	0.000098 J	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000668	0.00251	0.00245	<0.0008	<0.0006	<0.0006
Naphthalene	*0.49*	*1.5*	<0.00026	<0.000039	0.00018	0.0004	0.00077 J	<0.000072	<0.00002	<0.00002	<0.00002	<0.00038	<0.00037	0.00079	<0.0008	<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						
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025						
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079						
Phenanthrene	*0.73*	*2.2*	0.000052 J	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021						
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	0.00004 J	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00021	<0.0015	<0.0005	<0.0005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00039 J	<0.00019	<0.00021	<0.0009	<0.0005	<0.0005
Metals																	
Arsenic	*0.01*	*0.01*	0.00454	0.00128 J	0.000866 J	0.000455 J	0.00102 J	0.000581 J	0.00145 J	0.000943 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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*	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000755	<0.0000808	<0.0000812
Acenaphthylene	*1.5*	*4.4*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000566	<0.0000606	<0.0000609
Anthracene	*7.3*	*22*	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0000472 J	0.000148 J	0.000133 J	0.000181 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*	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	0.0015 J	<0.0005	<0.0005	<0.0005	<0.0005	0.000906	0.00112	0.000492 J	0.000575
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000755	<0.0000808	<0.0000812
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000104	<0.000111	<0.000112
Fluoranthene	*0.98*	*2.9*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.000066	<0.0000707	<0.0000711
Fluorene	*0.98*	*2.9*	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.000066	<0.0000707	<0.0000711
Naphthalene	*0.49*	*1.5*	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000755	<0.0000808	<0.0000812
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*															
Phenol	*7.3*	*22*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0000377	<0.0000404	<0.0000406
Pyrene	*0.73*	*2.2*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000104	<0.000111	<0.000112
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
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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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*	0.000102 J	0.000966	0.01 J	0.0169 J	<0.0000792	<0.0000792	0.023	0.022	<0.000027	<0.000027	<0.000027	<0.000027	0.000027 J	0.000078 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0000556	0.0000571 J	0.0000588 J	0.000265 J	<0.0000594	<0.0000594	0.00012	0.00012	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000323 J	0.000369 J	0.000375 J	0.000473 J	0.000122 J	0.000115 J	0.00039	0.00033	0.000014 J	0.00007 J	<0.000014	<0.000014	0.000014 J	0.000081 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*	<0.000343	<0.000343	0.00127	0.00133	0.000853 J	0.00155 J	0.0006 J	0.00032 J	0.0002 J	0.00035 J	0.00029	0.0003	0.00025 J	0.00018 J	0.000097 J
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.0000741	0.000135 J	0.00205 J	0.00304 J	<0.0000792	<0.0000792	0.0024	0.0021	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 J	0.000055 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000262	<0.000309	0.000108 J	0.000321 J	<0.000109	<0.000119	<0.000044	<0.000059	<0.000058	<0.00011	<0.000046	<0.000031	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0000648	<0.0000648	0.00042 J	0.00039 J	0.000114 J	0.000113 J	0.0006	0.00047	<0.00001	<0.00001	<0.00001	<0.00001	0.00001 J	0.000088 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.0000648	0.000262 J	0.00393	0.00514	<0.0000693	<0.0000693	0.0046	0.0038	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0000741	<0.0000741	0.0000784 J	0.000924 J	<0.0000792	<0.0000792	0.019	0.018	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*			0.000575 J	0.000808 J											
Phenol	*7.3*	*22*	<0.000037	<0.000037	<0.0000392	<0.0000396	<0.0000396	<0.0000396	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000102	<0.000102	0.000318 J	0.000306 J	<0.000109	<0.000109	0.00038	0.00029	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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*	<0.000027	<0.000027	0.0033	0.041	0.043	<0.000027	<0.000027	0.0028	<0.000027	0.00018	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	0.00038	0.00032	<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	0.00017	0.00058	0.0006	0.00025	0.00021	0.000065 J	<0.000014	<0.000014	<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*	0.00016 J	<0.00024	<0.00017	<0.00019	<0.00022	<0.000061	<0.000057	0.00029	<0.000037	0.0001 J	<0.000037	<0.00019	<0.00013	<0.00008	<0.000037
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00029	0.00093	0.0047	0.0042	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.000042	<0.000034	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000032 J	0.000025 J	<0.000046 J	0.00029 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00017	0.00016	0.00099	0.001	<0.00001	<0.00001	<0.00001	<0.00001	0.000045 J	0.00005 J	0.000017 J	0.000024 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	0.00042	0.0012	0.0073	0.007	<0.00003	0.00003 J	<0.00003	<0.00003	0.00012	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.0034	0.00014	0.000056 J	<0.00002	<0.00002	0.000063 J	0.00017	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*															
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.0014	<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	<0.000019	0.00049	0.00048	<0.000019	<0.000019	<0.000019	<0.000019	0.000068 J	0.00006 J	0.000029 J	0.000023 J	<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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	P-10 01/04/2022	P-10 01/04/2022 Duplicate	P-10 07/06/2022	P-10 07/06/2022 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	0.0776	<0.00028	0.0057	<0.00009	0.0037	<0.00009	0.00075	0.03	0.018	<0.0000755	<0.0000762
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.00031	<0.00028	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	0.0002	0.0001 J	<0.0000566	<0.0000571
Anthracene	*7.3*	*22*	<0.000014	<0.000026	<0.000014	<0.000014	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
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
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
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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00011	<0.00011	<0.000071	<0.00014	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
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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.000028	<0.00002	<0.00002	<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	0.0061	<0.00019	<0.00007	<0.00007	0.00042	<0.00007	0.000081 J	0.0022	0.00048	<0.000066	<0.0000667
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	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
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.000064 J	<0.00002	0.0324	<0.00038	0.0027	<0.0001	0.0027	<0.0001	0.00013 J	0.0017	<0.00026	0.000662	<0.0000762
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
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
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
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
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00015	<0.00005	R	<0.0000381
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	0.00369	<0.00019	<0.00007	<0.00007	0.00015 J	<0.00007	<0.00005	0.0013	0.00023	<0.000104	<0.000105
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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-12 01/29/2008	P-12 07/16/2008
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		<0.00109
Benzene	*0.005*	*0.005*	0.000207 J	<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		<0.00112
Chlorobenzene	*0.1*	*0.1*	<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		<0.0015
Ethylbenzene	*0.7*	*0.7*	0.000253 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		<0.00142
Methylene chloride	*0.005*	*0.005*	<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		<0.00122
Toluene	*1*	*1*	<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		<0.00138
Vinyl chloride	*0.002*	*0.002*															
Xylenes (total)	*10*	*10*	<0.00058	<0.00026	<0.0003	<0.0003	0.00032 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.00302
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000104	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014 J	0.00086	<0.000021	<0.000021	<0.000021		
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000292	<0.000304	<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*	<0.000123	<0.000127	<0.000058	<0.000058	<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*	<0.0000755	<0.0000784	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042		
2-Chloronaphthalene	*2*	*5.8*	<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		
2-Methylnaphthalene	*0.098*	*0.29*	0.000257 J	<0.0000686	<0.000019	<0.000019	0.00015	<0.000019	0.00005 J	0.000076 J	<0.000019	0.001	<0.000019	0.00048	<0.000019		
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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		
4-Nitrophenol	*0.049*	*0.15*	<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		
Acenaphthene	*1.5*	*4.4*	0.00951	0.000653	<0.000027	0.00021	0.081	<0.000027	0.0019	0.0046	0.0008	0.091	0.0015	0.02	0.00039	<0.00029	<0.0003
Acenaphthylene	*1.5*	*4.4*	<0.0000566	<0.0000588	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00033	<0.000015	<0.000015	<0.000015	<0.00029	<0.0003
Anthracene	*7.3*	*22*	0.000503	0.000119 J	<0.000014	<0.000014	0.0037	<0.000014	0.000063 J	0.000081 J	0.000078 J	0.0036	<0.000014	0.00042	0.00002 J	0.000645	0.000552
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000755	<0.0000784	<0.00005	<0.00005	<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*	<0.0000755	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002		
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000123	<0.000127	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00007 J	<0.00003	<0.00003	<0.00003		
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00403	<0.000711	0.00018 J	<0.000037	0.000063 J	<0.000037	0.000087 J	<0.000037	<0.000068	<0.000037	0.00019 J	0.000093 J	0.000052 J	<0.00019	0.00034 J
Chrysene	*0.91*	*2*	<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		
Dibenzofuran	*0.098*	*0.29*	0.00103	0.000176 J	<0.00002	<0.00002	0.0016	<0.00002	0.000079 J	0.00016	<0.00019	0.0032	0.000084 J	0.0015	0.000059 J	<0.00029	<0.0003
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000104	<0.000108	<0.00002	<0.00002	0.000025 J	<0.00002	<0.00002	<0.00002	<0.000025	<0.00002	0.000055 J	<0.00002	<0.00002	<0.00019	0.00085 J
Fluoranthene	*0.98*	*2.9*	0.000287 J	0.0000771 J	0.000038 J	<0.00001	0.0056	<0.00001	0.00006 J	<0.00001	0.00022	0.0039	0.000085 J	0.00037	0.00012	<0.00019	<0.0002
Fluorene	*0.98*	*2.9*	0.00264	0.000344 J	0.000045 J	<0.00003	0.037	<0.00003	0.00074	0.0013	<0.00017	0.041	0.00015	0.0055	0.000068 J	<0.00019	<0.0002
Naphthalene	*0.49*	*1.5*	0.0554	<0.0000784	<0.00002	<0.00002	0.0024	<0.00002	<0.0018	0.00048	<0.00011	0.0018	<0.00022	<0.00041	0.00011	<0.00038	0.000626
Nitrobenzene	*0.049*	*0.15*	<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		
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000943	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.0001 J		
Pentachlorophenol	*0.001*	*0.001*	<0.000575	<0.000598	<0.000079	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079		
Phenanthrene	*0.73*	*2.2*	0.00189	<0.000317	<0.000021	<0.000021	0.04	<0.000021	0.0002	0.00035	<0.00024	<0.037	<0.000021	0.0029	<0.000021		
Phenol	*7.3*	*22*	<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	<0.00019	<0.0002
Pyrene	*0.73*	*2.2*	0.000274 J	<0.000108	0.000039 J	<0.000019	0.0032	<0.000019	0.000036 J	<0.000019	0.0001	0.0021	0.000039 J	0.0002	0.000059 J	0.00932	0.00211
Metals																	
Arsenic	*0.01*	*0.01*			**0.0374**	**0.016**	**0.0622**	**0.0183**	**0.0704**	**0.036**	**0.0116**	**0.0867**	0.00921	**0.0933**	**0.0444**		

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	P-12 07/16/2008 Duplicate	P-12 01/22/2009	P-12 01/22/2009 Duplicate	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
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*				<0.0009										<0.000066	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															
4-Nitrophenol	*0.049*	*0.15*															
Acenaphthene	*1.5*	*4.4*	<0.0003	<0.0008	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0000755	<0.00008	<0.0000741	<0.0000755	<0.0000792
Acenaphthylene	*1.5*	*4.4*	<0.0003	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.00006	<0.0000556	<0.0000566	<0.0000594
Anthracene	*7.3*	*22*	0.000566	<0.0007	<0.0007	<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
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*	0.00064 J	<0.0012	<0.0012	<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
Chrysene	*0.91*	*2*															
Dibenzofuran	*0.098*	*0.29*	<0.0003	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.00008	<0.0000741	<0.0000755	<0.0000792
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00087 J	<0.0007	<0.0007	<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
Fluoranthene	*0.98*	*2.9*	<0.0002	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000066	<0.00007	<0.0000648	<0.000066	<0.0000693
Fluorene	*0.98*	*2.9*	<0.0002	<0.0008	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.000066	<0.00007	<0.0000648	<0.000066	<0.0000693
Naphthalene	*0.49*	*1.5*	0.000639	<0.0008	<0.0008	<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
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
Pentachlorophenol	*0.001*	*0.001*															
Phenanthrene	*0.73*	*2.2*				<0.0005										<0.0000566	
Phenol	*7.3*	*22*	<0.0002	<0.0015	<0.0015	<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
Pyrene	*0.73*	*2.2*	0.00166	0.0026 J	0.0012 J	<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
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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
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*	<0.000027	<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*	<0.000015	<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	0.000026 J	<0.000014	<0.000014	0.000036 J	<0.000014	0.000063 J	0.000052 J	0.0001	<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*	0.00055	0.00036	0.000086 J	0.00029	0.00026	<0.00012	<0.00009	<0.000037	<0.000037	<0.000037	<0.000037	<0.00004	<0.000037	<0.000062	<0.000037
Chrysene	*0.91*	*2*															
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
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000022	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<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	0.000023 J	<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
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00016	<0.00002	<0.00002	<0.00002	<0.00002	0.00038
Nitrobenzene	*0.049*	*0.15*															
N-Nitrosodiphenylamine	*0.19*	*0.42*															
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	0.000073 J	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000097 J	<0.000019	<0.000019	<0.000019	0.00063	<0.000019	0.00092	<0.000019	<0.000019	<0.000019
Metals																	
Arsenic	*0.01*	*0.01*															

Notes:

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5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	TW-41B 01/19/2010	TW-41B 07/27/2011	TW-41B 02/01/2012	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
Volatile Organic Compounds																	
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.001	<0.001	<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
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	0.0075	<0.0011	<0.0005	<0.00011	0.00115	<0.00019	0.00501	<0.0003	0.0036	0.0029	<0.003	<0.0011	<0.0003	0.0015
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	0.0033 J	<0.001	<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
Vinyl chloride	*0.002*	*0.002*					<0.00011			<0.00011							
Xylenes (total)	*10*	*10*	<0.001	0.0052 J	<0.0031	<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
Semivolatile Organic Compounds																	
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<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	<0.00005	0.00005 J	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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000123	<0.000124	<0.000123	<0.000126	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00006	0.00006 J	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000777	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.00005	0.00005 J	<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
2-Methylnaphthalene	*0.098*	*0.29*	<0.00007	0.015	0.00005 J	<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
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00005	0.00005 J	<0.00005	<0.000528	<0.000533	<0.000528	<0.000544	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00009	0.041	0.00005 J	0.039	<0.0000755	0.0252	<0.0000755	0.142	0.087	0.072	0.08	0.058	0.15	0.12	0.065
Acenaphthylene	*1.5*	*4.4*	<0.00007	0.00053	0.00005 J	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
Anthracene	*7.3*	*22*	<0.00007	0.0022	0.00016 J	0.0011	0.000979	0.00161	0.00093	0.00697	0.0016	0.0034	0.0039	0.0023	0.0055	0.0031	0.0039
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00005	<0.00005	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00005	<0.00005	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000123	<0.000124	<0.000123	<0.000126	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0011	0.00022	<0.00023	<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
Chrysene	*0.91*	*2*	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00008	0.029	0.00005 J	0.016	<0.0000755	0.0104	<0.0000755	0.0845	0.022	0.026	0.034	0.026	0.074	0.055	0.034
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00005	<0.00005	<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
Fluoranthene	*0.98*	*2.9*	<0.00007	0.0022	<0.00005	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
Fluorene	*0.98*	*2.9*	0.00015 J	0.028	0.00005 J	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
Naphthalene	*0.49*	*1.5*	0.00014 J	0.049	0.00051 J	<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**
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000104	<0.000105	<0.000104	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.0000971	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00005	0.00005 J	<0.00005	<0.000575	<0.000581	<0.000575	<0.000592	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	0.019	<0.00005	<0.00005	<0.0000566	0.000659	<0.000176	0.0573	0.00048	0.0089	0.013	0.0035	0.027	0.0084	0.018
Phenol	*7.3*	*22*	<0.00007	<0.00005	0.000057 J	0.0016	<0.0000377	<0.0000381	<0.0000377	<0.0000388	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00007	0.00095	<0.00005	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
Metals																	
Arsenic	*0.01*	*0.01*									**0.0376**	**0.0953**	**0.0976**	**0.125**	**0.113**	**0.0557**	**0.0883**

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.
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 - 2022)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	TW-41B 01/14/2021	TW-41B 07/08/2021	TW-41B 01/05/2022	TW-41B 07/13/2022
Volatile Organic Compounds						
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.001	<0.001	<0.0002
Benzene	*0.005*	*0.005*	0.00074 J	<0.001	0.0019 J	0.002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0015	<0.0015	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.0081	<0.0015	0.00096 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.005	**0.0078 J**	<0.001
Toluene	*1*	*1*	<0.0002	0.0046 J	<0.001	0.0017
Vinyl chloride	*0.002*	*0.002*				
Xylenes (total)	*10*	*10*	0.0073	0.016	0.015	0.017
Semivolatile Organic Compounds						
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.00052	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00056	<0.00004	<0.00004	<0.0004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.0028	0.087	0.039	0.075
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.068	0.15	0.09	0.25
Acenaphthylene	*1.5*	*4.4*	0.00096	0.0019	0.0016	<0.00015
Anthracene	*7.3*	*22*	0.0023	0.0077	0.0042	0.0072
Benzo(a)anthracene	*0.0091*	*0.02*	0.00013	<0.00005	<0.00005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000062 J	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00016	<0.00027	<0.000037	<0.00037
Chrysene	*0.91*	*2*	0.00013	<0.000021	<0.000021	<0.00021
Dibenzofuran	*0.098*	*0.29*	0.029	0.079	0.053	0.078
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.0019	0.0052	0.0028	0.0046
Fluorene	*0.98*	*2.9*	0.04	0.12	0.069	0.099
Naphthalene	*0.49*	*1.5*	0.013	0.3	0.21	**0.7**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.006	0.053	0.025	0.041
Phenol	*7.3*	*22*	0.00011 J	<0.000035	<0.000035	<0.00035
Pyrene	*0.73*	*2.2*	0.00097	0.0021	0.0015	0.002
Metals						
Arsenic	*0.01*	*0.01*	**0.0567**	**0.0866**	**0.0784**	**0.0969**

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.
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 - 2022)
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-33B 01/29/2008 DNAPL	MW-33B 07/14/2008 DNAPL
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	<0.00052	<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**	**1.92**	**2.73**
Chlorobenzene	*10*	*10*	0.025 J	<0.0005	<0.000343	<0.00018	<0.0075	<0.03	<0.003	<0.003	<0.003	<0.015	<0.00047	<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	0.491	0.626
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	<0.00054	<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	0.1	0.136
Vinyl chloride	*0.2*	*0.2*					<0.005							
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	1.24	1.63
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	<0.01	<0.008
2,4-Dimethylphenol	*49*	*150*	46	0.0014	<0.0738	0.178	26	41	4	1	13	17	<0.043	<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	<0.029	<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	<0.029	<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	<0.057	<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	0.443	0.808
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	<0.029	<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	<0.036	<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	0.137	0.152
Acenaphthylene	*150*	*440*	0.0059 J	0.00085	<0.0143	<0.000566	<0.0003	1.7	0.066	0.0037	<0.0015	0.046	<0.043	<0.028
Anthracene	*730*	*2200*	0.059 J	0.0048	<0.0119	0.144	23	170	0.1	0.047	0.044	2.3	<0.029	<0.019
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	<0.029	<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**	**<0.029**	<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	<0.057	<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	<0.029	<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	<0.029	<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	0.118	0.17
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	<0.029	<0.019
Fluoranthene	*98*	*290*	0.03 J	0.031	<0.0167	0.121	21	**210**	0.9	0.039	0.045	3.1	<0.029	<0.019
Fluorene	*98*	*290*	0.15 J	0.0021	<0.0167	0.0282	23	**180**	0.5	0.077	0.13	3.2	0.046	0.0683
Naphthalene	*49*	*150*	26	<0.00057	<0.019	2.17 J	**300**	**2300**	6	3	12	46	12.5	16
Nitrobenzene	*4.9*	*15*	<0.0005	<0.00005	<0.0262	<0.00104	<0.00048	<0.024	<0.0024	<0.00024	<0.0024	<0.0024	<0.057	<0.038
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	<0.036	<0.024
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	<0.029	<0.019
Phenanthrene	*73*	*220*	0.25 J	0.0012	<0.0143	0.0548	69	**660**	6	0.18	0.22	11	0.0903	0.0688
Phenol	*730*	*2200*	38 J	0.000066 J	<0.00952	0.0357	17	23	2	1	13	14	<0.029	<0.019
Pyrene	*73*	*220*	0.02 J	0.04	<0.0262	0.0841	14	**120**	0.9	0.022	0.026	2	0.045	<0.019
Metals														
Arsenic	*1*	*1*					0.00193 J	0.00166 J	0.00199 J	0.0014 J	0.00229 J	0.00186 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	MW-33B 07/14/2008 Duplicate	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.00109	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.0005	<0.007	<0.0007	<0.0002	<0.0007
Benzene	*0.5*	*0.5*	**2.69**	**2.4**	**1.2**	**2**	**1**	**1.6**	**2**	0.3	**1.61**	**1.62**	**0.837**	**1.41**
Chlorobenzene	*10*	*10*	<0.0015	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.0005	<0.006	<0.0006	0.000349 J	<0.0006
Ethylbenzene	*70*	*70*	0.598	0.47	0.41	0.62	0.36	0.4	0.46	0.07	0.471	0.389	0.128	0.348
Methylene chloride	*0.5*	*0.5*	<0.00122	0.0096 J	<0.005	<0.005	<0.005	<0.013	<0.0065	<0.001	0.011 J	<0.00075	<0.00022	<0.00075
Toluene	*100*	*100*	0.13	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
Vinyl chloride	*0.2*	*0.2*						<0.01	<0.005	<0.0005	<0.0055	<0.00055	<0.00018	<0.00055
Xylenes (total)	*1000*	*1000*	1.58	1.4	1.2	1.5	0.85	1.2	0.82	0.15	0.924	0.182	0.128	0.0649
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.0005	**<0.529**	<0.00519	<0.000529	<0.000107
2,4-Dimethylphenol	*49*	*150*	<0.028	<0.00008	0.0035	<0.00008	0.0029	0.0034	<0.00005	0.0074	<1.49	<0.0146	<0.00149	<0.000301
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	**<0.625**	<0.00613	<0.000625	<0.000126
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.0006	**<0.385**	<0.00377	<0.000385	<0.0000777
2-Chloronaphthalene	*200*	*580*	<0.038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.0005	<0.385	<0.00377	<0.000385	<0.0000777
2-Methylnaphthalene	*9.8*	*29*	0.787	1.9	0.71	0.51	0.52	1.6	0.81	0.55	0.993 J	0.198	0.0558	0.277
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0008	**<3.99**	<0.0392	<0.00399	<0.000806
4-Nitrophenol	*4.9*	*15*	<0.024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0005	<2.69	<0.0264	<0.00269	<0.000544
Acenaphthene	*150*	*440*	0.182	0.41	0.17	0.096	0.15	0.41	0.23	0.099	<0.385	0.0455	0.0625	0.0711
Acenaphthylene	*150*	*440*	<0.028	0.0037	0.0016	0.0011	0.0015	0.0033	<0.00005	0.0014 J	<0.288	<0.00283	<0.000679	0.00087
Anthracene	*730*	*2200*	0.035	0.14	0.015	0.011	0.027	0.16	0.054	0.011	<0.24	<0.00236	0.0045	0.00564
Benzo(a)anthracene	*0.91*	*2*	<0.019	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
Benzo(a)pyrene	*0.02*	*0.02*	<0.019	0.0045	<0.00008	<0.00008	0.00073	0.0077	<0.00005	<0.0005	**<0.385**	<0.00377	<0.000385	<0.0000777
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	**<0.625**	<0.00613	<0.000625	<0.000126
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.019	0.00031	0.008	<0.00054	0.00091	<0.00046	<0.00018	<0.001	**<1.78**	<0.0175	<0.00178	0.000722
Chrysene	*91*	*200*	<0.019	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
Dibenzofuran	*9.8*	*29*	0.205	0.46	0.18	0.13	0.17	0.53	0.38	0.15	<0.385	0.0498	0.0769	0.0868
Di-n-butylphthalate (DBP)	*240*	*730*	<0.019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0005	<0.529	<0.00519	<0.000529	<0.000384
Fluoranthene	*98*	*290*	0.042	0.2	0.0033	0.0018	0.033	0.28	0.0049	0.01	<0.337	<0.0033	0.00107 J	0.00265
Fluorene	*98*	*290*	0.098	0.26	0.068	0.048	0.069	0.31	0.12	0.051	<0.337	0.0181 J	0.0287	0.035 J
Naphthalene	*49*	*150*	13.1	20	10	2.2	7	13	21	7.3	14.9 J	6.54	1.68 J	6.59
Nitrobenzene	*4.9*	*15*	<0.038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	<0.529	<0.00519	<0.000529	<0.000107
N-Nitrosodiphenylamine	*19*	*42*	<0.024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00081	<0.0005	<0.481	<0.00472	<0.000481	<0.0000971
Pentachlorophenol	*0.1*	*0.1*	<0.019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.0005	**<2.93**	<0.0288	<0.00293	<0.000592
Phenanthrene	*73*	*220*	0.186	0.72	0.066	0.041	0.09	0.79	0.17	0.091	<0.288	0.0141 J	0.0238	0.0313 J
Phenol	*730*	*2200*	<0.019	0.003	<0.00007	0.0032	<0.00007	0.001	0.0043	0.0014 J	<0.192	<0.00189	<0.000192	<0.0000388
Pyrene	*73*	*220*	0.022	0.13	0.0016	0.00092	0.007	0.17	0.0025	0.0054	<0.529	<0.00519	0.000734 J	0.00126
Metals														
Arsenic	*1*	*1*												

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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	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-36B 07/15/2010
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0032	<0.0002	<0.002	<0.001	<0.0002	<0.0005
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	0.12	0.0025	0.25	0.12	0.14	**0.98**	**0.69**	0.073	0.36	<0.0005
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0005
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	0.0058	0.013	0.065	0.043	0.099	0.23	0.19	0.14	0.1	<0.0005
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	0.0064 J	<0.001	<0.0005
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	0.0031	<0.0002	0.0067	0.0071	0.0069 J	0.0056	0.0083	<0.0005
Vinyl chloride	*0.2*	*0.2*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	0.0058	<0.0003	0.016	0.011	0.033	0.14	0.065	0.03	0.035	<0.001
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	<0.0001
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	<0.00004	0.00028	0.00018 J	<0.00004	<0.00004	<0.00004	0.0064	0.00026	<0.00008
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009
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	<0.00007
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	<0.0001
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	0.0029	<0.000019	0.014	0.00025	0.022	0.087	0.11	0.035	0.052	<0.00007
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	<0.00008
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	<0.00007
Acenaphthene	*150*	*440*	<0.000027	<0.000027	0.0019	0.0013	0.0078	0.0051	0.0066	0.019	0.026	0.013	0.0098	<0.00009
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	0.000068 J	<0.000015	<0.000015	0.00015	0.00015	0.00041	0.00019	<0.000015	0.00015	<0.00007
Anthracene	*730*	*2200*	<0.000014	<0.000014	0.00018	<0.000014	0.00055	0.00046	0.0018	0.00097	0.0019	0.0018	0.00085	<0.00007
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0001	<0.00059	0.000058 J	<0.00005	0.00064	0.00012	<0.00007
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J	<0.00016	<0.00002	<0.00002	0.00023	0.000077 J	<0.00008
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	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.000062 J	<0.000037	0.0001 J	<0.000037	0.00007 J	0.00067	0.000072 J	<0.000037	<0.000037	<0.000037	<0.000037	0.01
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00011	0.00052	<0.000021	<0.000021	0.00084	0.0001	<0.00007
Dibenzofuran	*9.8*	*29*	<0.000021	<0.00002	0.0019	0.000079 J	0.012	0.0039	0.0085	0.027	0.04	0.016	0.022	<0.00008
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00099	<0.000038	<0.00002	<0.00002	<0.00002	<0.00002	<0.00007
Fluoranthene	*98*	*290*	0.000049 J	<0.00001	0.0003	0.000053 J	0.00039	0.00082	0.0035	0.0004	0.0011	0.0033	0.00039	<0.00007
Fluorene	*98*	*290*	<0.00003	<0.00003	0.00058	<0.00003	0.0042	0.0018	0.0041	0.011	0.016	0.0082	0.0054	<0.00007
Naphthalene	*49*	*150*	<0.00018	<0.00002	0.069	0.00004 J	0.53 J	0.0051	0.95	0.2	0.4	1.2	0.88	<0.0001
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	<0.00009
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	<0.00009
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008
Phenanthrene	*73*	*220*	<0.000047	<0.000021	0.0008	<0.000021	0.0048	0.0013	0.01	0.0088	0.019	0.0097	0.0073	<0.00007
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	0.00021	0.00018 J	0.00023	0.000079 J	0.000087 J	<0.000035	0.00023	<0.00007
Pyrene	*73*	*220*	<0.000019	<0.000019	0.00019	0.00003 J	0.00026	0.00057	0.0023	0.0002	0.00058	0.0021	0.00025	<0.00007
Metals														
Arsenic	*1*	*1*	0.00144 J	0.00187 J	0.00294	0.00143 J	0.00117 J	0.000877 J	0.000565 J	0.00234	0.00212	0.000972 J	0.000904 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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	MW-36B 07/28/2014	MW-36B 01/25/2018	MW-36B 03/21/2018	MW-36B 05/31/2018
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<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	*0.5*	*0.5*	<0.0005	0.0018 J	0.0014 J	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<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	*70*	*70*	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<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	*100*	*100*	<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	*0.2*	*0.2*			<0.001		<0.0005	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002
Xylenes (total)	*1000*	*1000*	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104	<0.000107	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000292	<0.00031	<0.000292	<0.000301	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.00013	<0.000123	<0.000126	<0.000059	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.00008	<0.0000755	<0.0000777	<0.000042	<0.000042	0.0073
2-Chloronaphthalene	*200*	*580*	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	<0.0000755	<0.0000777	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.00007	<0.000271	<0.000068	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00083	<0.000783	<0.000806	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.00056	<0.000528	<0.000544	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.00009	0.00023	0.00014 J	0.00023	0.00016 J	<0.0000755	<0.00008	0.000463 J	<0.0000777	0.00014	<0.000027	0.00014
Acenaphthylene	*150*	*440*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.00006	<0.0000566	<0.0000583	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000472	<0.00005	0.00035 J	<0.0000485	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	0.00012 J	<0.0000777	<0.000051	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	<0.0000755	<0.0000777	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.00013	<0.000123	<0.000126	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.0024	<0.00048	<0.00068	<0.00033	0.00021	<0.000349	<0.00037	0.00044 J	<0.000359	0.00015 J	<0.000037	0.00017 J
Chrysene	*91*	*200*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	0.000146 J	<0.0000777	<0.000021	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	<0.00008	<0.00008	<0.00005	<0.00005	0.00011 J	<0.000118	<0.00008	<0.000409	<0.0000777	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104	<0.000107	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.00007	0.000756	<0.000068	<0.00001	<0.00001	<0.00001
Fluorene	*98*	*290*	<0.00007	<0.00007	<0.00005	0.00011 J	<0.00005	<0.000066	<0.00007	0.000434 J	<0.000068	<0.00003	<0.00003	<0.00003
Naphthalene	*49*	*150*	<0.0001	<0.0001	<0.00005	<0.00024	<0.00005	<0.000943	0.0000895 J	0.000825 J	<0.0000777	<0.00002	<0.00002	<0.00002
Nitrobenzene	*4.9*	*15*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104	<0.000107	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0001	<0.0000943	<0.0000971	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.00061	<0.000575	<0.000592	<0.00008	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.00007	<0.00007	<0.00005	<0.00005	0.00027	<0.0000566	<0.00006	0.00183	<0.0000583	<0.000021	<0.000021	<0.000021
Phenol	*730*	*2200*	<0.00007	0.000089 J	<0.00005	0.00026	<0.00005	<0.0000377	<0.00004	<0.0000377	<0.0000388	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	0.00046 J	<0.000107	<0.000019	<0.000019	<0.000019
Metals														
Arsenic	*1*	*1*										0.00116 J	0.000942 J	0.000817 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	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-49B 02/04/2009
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	<0.0005
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	0.0095
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	<0.0005
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	0.0081
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	<0.0005
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	0.016
Vinyl chloride	*0.2*	*0.2*	<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	0.024
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	<0.0001
2,4-Dimethylphenol	*49*	*150*	<0.00004	0.000078 J	<0.000054	<0.00004	<0.00004	<0.00004	0.00004 J	9.1E-05 J	<0.00004	<0.00004	<0.00004	<0.00004	0.031
2,4-Dinitrotoluene	*0.13*	*0.3*	<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
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	0.0012 J	<4E-05 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007
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	<0.00012
2-Methylnaphthalene	*9.8*	*29*	<0.000019	0.00058	<0.00013	0.0011	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.14
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	<0.00008
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	<0.00007
Acenaphthene	*150*	*440*	<0.000027	0.00014	<0.00017	0.00034	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000049 J	<0.000027	<0.000027	0.094
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	0.0016
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	0.00034	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.019
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	0.00015	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00035
Benzo(a)pyrene	*0.02*	*0.02*	<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	<0.00008
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	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00022	<0.000088	<0.000037	0.00013 J	<0.00018	<0.00022	3.7E-05 J	6.3E-05 J	0.00011 J	<0.000037	<0.000037	<0.000037	0.00029
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	0.00014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00038
Dibenzofuran	*9.8*	*29*	<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	0.071
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	0.000042 J	<2E-05 J	0.00023 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0013
Fluoranthene	*98*	*290*	<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	0.014
Fluorene	*98*	*290*	<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	0.071
Naphthalene	*49*	*150*	<0.00002	0.006	<0.00093	0.01	<0.000054	<0.00002	<0.00002	<0.0002	<0.00002	<0.00039	<0.00002	<0.00002	1.4
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	<0.00009
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	<0.00009
Pentachlorophenol	*0.1*	*0.1*	<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
Phenanthrene	*73*	*220*	<0.000021	<0.000021	<0.0001	0.0012	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.11
Phenol	*730*	*2200*	<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	<0.00007
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	0.00049	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.0074
Metals															
Arsenic	*1*	*1*	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	

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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	MW-49B 01/29/2018
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.0028	<0.0002	<0.0028	<0.0002
Benzene	*0.5*	*0.5*	0.013	0.1	0.0057	0.0056	0.056	0.0056	0.11	0.0631	0.469	0.0691	0.346	0.0073
Chlorobenzene	*10*	*10*	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	0.0103 J	<0.00018	<0.0024	<0.0003
Ethylbenzene	*70*	*70*	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	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.003	<0.00022	0.0212	<0.001
Toluene	*100*	*100*	0.045	0.071	0.0072	0.0072	0.038	0.0057	0.089	0.0633	0.345	0.091	0.31	0.0058
Vinyl chloride	*0.2*	*0.2*					<0.001	<0.001	<0.0005	<0.00011	<0.0022	<0.00018	<0.0022	<0.0002
Xylenes (total)	*1000*	*1000*	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	0.0095
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208	<0.000021
2,4-Dimethylphenol	*49*	*150*	0.013	1.2	0.18	0.16	0.59	0.19	6.3	1.09	21.4	4.96 J	13.6	0.2
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00619	<0.0124	<0.0307	<0.00245	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00007	<0.00035	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00381	<0.00762	<0.0189	<0.00151	0.002
2-Chloronaphthalene	*200*	*580*	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.0189	<0.00151	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.00007	0.0016	<0.00007	<0.00007	0.0029	0.0095	0.18	0.297	0.223	0.691	0.276	0.00011
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0395	<0.079	<0.196	<0.0157	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0267	<0.0533	<0.132	<0.0106	<0.000047
Acenaphthene	*150*	*440*	0.017	0.014	0.00067	0.00049	0.0051	0.034	0.14	0.248	0.0964	0.622	0.117	0.071
Acenaphthylene	*150*	*440*	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	0.0017
Anthracene	*730*	*2200*	0.00015 J	<0.00035	0.00031	0.000083 J	0.00093	0.0029	0.056	0.0876	<0.00476	0.221	0.013	0.003
Benzo(a)anthracene	*0.91*	*2*	<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	0.000088 J
Benzo(a)pyrene	*0.02*	*0.02*	<0.00008	<0.0004	<0.00008	<0.00008	0.000057 J	<0.00005	0.0038	<0.00381	<0.00762	<0.0189	<0.00151	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00619	<0.0124	<0.0307	<0.00245	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00053	<0.001	<0.00055	<0.0015	<0.00024	0.00069	<0.00055	<0.0176	<0.0352	<0.0873	<0.00698	0.00011 J
Chrysene	*91*	*200*	<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	0.00012
Dibenzofuran	*9.8*	*29*	0.0024	0.0026	0.00018 J	0.00012 J	0.0018	0.019	0.12	0.2	<0.00762	0.484	0.08	0.0028
Di-n-butylphthalate (DBP)	*240*	*730*	0.000083 J	<0.00035	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208	<0.00002
Fluoranthene	*98*	*290*	0.00023	<0.00035	0.00019 J	<0.00007	0.0011	0.0015	0.093	0.167	<0.00667	0.415	0.00456 J	0.0027
Fluorene	*98*	*290*	0.0036	0.0016	0.00018 J	<0.00007	0.0014	0.019	0.13	0.217	0.049	0.464	0.0633	0.0087
Naphthalene	*49*	*150*	0.00044	0.23	<0.00052	<0.0002	0.13	0.047	2.3	1.58 J	9.38	6.75	5.57	0.00042
Nitrobenzene	*4.9*	*15*	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00476	<0.00952	<0.0236	<0.00189	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00008	<0.0004	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.029	<0.0581	**<0.144**	<0.0115	<0.000079
Phenanthrene	*73*	*220*	0.00017 J	<0.00035	<0.00021	<0.0003	0.0025	0.0098	0.35	0.466	0.039 J	1.29	0.0458	0.0073
Phenol	*730*	*2200*	<0.00007	0.0053	0.00044	0.0004	0.00021	<0.00005	0.0063	<0.0019	<0.00381	0.0445 J	0.0145	<0.000035
Pyrene	*73*	*220*	0.0002	<0.00035	0.00024	0.00017 J	0.00066	0.00083	0.062	0.101	<0.0105	0.262	<0.00208	0.0014
Metals														
Arsenic	*1*	*1*												0.000564 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	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-54B 03/11/2020	MW-54B 05/22/2020	MW-54B 07/22/2020	MW-54B 01/26/2021
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	0.026	0.26	**0.6**	0.5	0.38	0.47	**0.61**	**0.54**	0.00043 J	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.015	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0003	0.048	0.26	0.15	0.18	0.2	0.19	0.17	0.0011	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.05	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	0.014	0.23	0.72	0.56	0.44	0.6	0.64	0.55	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*	<0.0002	<0.0002	<0.01	0.0058								
Xylenes (total)	*1000*	*1000*	0.012	0.14	0.71	0.39	0.52	0.54	0.51	0.48	0.0018	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.0013	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	0.34	3.4	25	2.1	0.6	0.091	12	6.4	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00058	<0.0035	<0.00058	<0.00058	<0.00058	<0.00058	<0.0058	<0.000059	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.0025	<0.00042	<0.00042	<0.00042	<0.00042	<0.0042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.0013	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.00084 J	0.072	**250**	0.28	0.2	1.5	0.64	0.49	0.00011	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.00047	<0.0028	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.066	0.071	**190**	0.12	0.22	0.8	0.46	0.36	0.0093	<0.000027	0.000079 J	<0.000027
Acenaphthylene	*150*	*440*	0.003	0.0026	2.1	0.0031	0.005	<0.00015	0.0078	0.008 J	0.000087 J	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	0.0038	0.0073	87	0.022	0.069	0.39	0.074	0.14	0.00017	<0.000014	<0.000014	1.4E-05 J
Benzo(a)anthracene	*0.91*	*2*	<0.0005	<0.0005	**23**	0.004	0.023	0.11	0.01	0.041	<0.000051	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.0002	<0.0002	**7.5**	0.0016	0.0087	**0.044**	0.0041	0.012	<0.00002	<0.00002	<0.00002	2.1E-05 J
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.0018	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	<0.0022	0.0023	<0.00037	<0.00037	0.0013 J	<0.0037	0.000089 J	<0.000037	<0.000037	<0.000088
Chrysene	*91*	*200*	<0.00021	<0.00021	23	0.0042	0.022	0.12	0.009	0.044	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	0.009	0.03	**160**	0.088	0.21	0.76	0.33	0.33	0.000076 J	<0.00002	<0.00002	<0.00004
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	0.000033 J	0.0002 J	<0.00002	<0.00002
Fluoranthene	*98*	*290*	0.0038	0.0036	**170**	0.026	0.16	0.81	0.069	0.28	0.000022 J	<0.00001	<0.00001	<0.000029
Fluorene	*98*	*290*	0.018	0.031	**170**	0.07	0.2	0.76	0.26	0.31	0.00015	<0.00003	<0.00003	<0.00003
Naphthalene	*49*	*150*	0.0075	2.5	**1200**	4.1	0.5	13	15	8.9	0.0021	0.00011	<0.00036	<0.000063
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.0014	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.0015	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00079	<0.0047	<0.00079	<0.00079	<0.00079	<0.00079	<0.0079	<0.00008	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.011	0.028	**500**	0.12	0.44	2.4	0.36	0.8	0.0028	<0.000021	0.000052 J	<0.000024
Phenol	*730*	*2200*	<0.00035	<0.00035	<0.0021	0.006	0.0041	<0.00035	0.017	0.023	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*73*	*220*	0.002	0.0021	**96**	0.014	0.082	0.5	0.054	0.16	<0.000019	<0.000019	<0.000019	6.5E-05 J
Metals														
Arsenic	*1*	*1*	0.000746 J	0.00146 J	0.0107	0.00553	0.00324	0.0008 J	0.00368	0.00798	0.00117 J	0.00147 J	0.00129 J	0.001 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	MW-54B 07/22/2021	MW-54B 01/20/2022	MW-54B 07/19/2022	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.01	<0.005	<0.0035	<0.014	<0.0002	<0.0007	<0.0002	<0.001	<0.0002
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	**1.4**	**1.5**	**0.733**	**1.49**	**0.716**	**1.25**	0.012	0.01	**0.82**
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.01	<0.005	<0.003	<0.012	<0.00018	<0.0006	<0.0003	<0.0015	<0.0003
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	0.39	0.42	0.193	0.501	0.174	0.371	0.026	0.032	0.3
Methylene chloride	*0.5*	*0.5*	<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
Toluene	*100*	*100*	<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
Vinyl chloride	*0.2*	*0.2*									0.00299 J			
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	1.2	1.1	0.589	1.4	0.574	1.16	0.057	0.055	0.84
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.0005	<0.0005	<0.055	<0.0267	<0.0519	<0.0109	<0.00021	<0.000021	<0.00021
2,4-Dimethylphenol	*49*	*150*	<0.000052	<0.00004	<0.00004	6.3	16	13.8	9.67	19.8 J	15	0.01	<0.00004	3.7
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.0005	<0.0005	<0.065	<0.0316	<0.0613	<0.0129	<0.00058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.0006	<0.0006	<0.04	<0.0194	<0.0377	<0.00792	<0.00042	<0.000042	<0.00042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.0005	<0.0005	<0.04	<0.0194	<0.0377	<0.00792	<0.00021	<0.000021	<0.00021
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.000019	0.92	1.6	1.75	1.07	0.892	0.945	0.17	0.029	0.61
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.0008	<0.0008	**<0.415**	<0.201	**<0.392**	<0.0822	<0.0002	<0.00002	<0.0002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.0005	<0.0005	<0.28	<0.136	<0.264	<0.0554	<0.00047	<0.000047	<0.00047
Acenaphthene	*150*	*440*	<0.000027	<0.000027	<0.000027	0.35	0.44	0.93	0.423	0.524	0.267	0.13	0.13	0.3
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	0.006	0.0087	<0.03	<0.0146	<0.0283	<0.00594	0.0029	0.0011	0.0063
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	0.023	0.05	0.292	0.0493 J	0.0844 J	0.0355 J	0.014	0.005	0.44
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	0.0011 J	0.0012 J	0.0543 J	<0.0194	<0.0377	<0.00792	0.001	<0.00005	0.03
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	<0.0005	<0.0005	**<0.04**	<0.0194	**<0.0377**	<0.00792	0.00058 J	<0.00002	0.0094
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.0005	<0.0005	<0.065	<0.0316	<0.0613	<0.0129	<0.0003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.000037	<0.000037	0.0019 J	<0.001	<0.185	<0.0898	<0.175	<0.0366	0.00043 J	0.000095 J	<0.00037
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	0.00099 J	0.0016 J	0.0561 J	<0.0194	<0.0377	<0.00792	0.00091 J	<0.000021	0.024
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	<0.00002	0.28	0.38	0.814	0.322	0.392	0.226	0.11	0.081	0.29
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	<0.0005	<0.0005	<0.055	<0.0267	<0.0519	<0.0109	<0.0002	<0.00002	<0.0002
Fluoranthene	*98*	*290*	<0.00001	<0.00001	<0.00001	0.0081	0.016	0.387	0.0301 J	0.0752 J	0.0109 J	0.012	0.0044	0.19
Fluorene	*98*	*290*	<0.00003	<0.00003	<0.00003	0.095	0.23	0.65	0.208	0.298	0.138	0.081	0.096	0.27
Naphthalene	*49*	*150*	<0.00029	<0.00002	<0.00002	24	27	18.9 J	18.1	10.6	17	1.8	0.39	12
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.0005	<0.0005	<0.055	<0.0267	<0.0519	<0.0109	<0.00024	<0.000024	<0.00024
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.0005	<0.0005	<0.05	<0.0243	<0.0472	<0.0099	<0.00025	<0.000025	<0.00025
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.0005	<0.0005	**<0.305**	**<0.148**	**<0.288**	<0.0604	<0.00079	<0.000079	<0.00079
Phenanthrene	*73*	*220*	<0.000021	<0.000021	<0.000021	0.16	0.24	1.39	0.242	0.456	0.127	0.094	0.033	0.63
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	0.45	1	1	0.645	1	0.495	<0.00035	<0.000035	0.22
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	0.0075	0.011	0.245 J	<0.0267	<0.0519	<0.0109	0.0068	0.003	0.13
Metals														
Arsenic	*1*	*1*	0.00115 J	0.0016 J	<0.0004							0.0419	0.00179 J	0.00285

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	MW-57B 07/10/2019	MW-57B 01/08/2020	MW-57B 07/15/2020	MW-57B 01/20/2021	MW-57B 07/22/2021	MW-57B 01/13/2022	MW-57B 07/12/2022	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.002	<0.001	<0.01	<0.002	<0.001	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Benzene	*0.5*	*0.5*	**0.84**	**0.52**	**0.71**	**0.63**	0	**0.94**	**1.1**	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Chlorobenzene	*10*	*10*	<0.0003	<0.003	<0.0015	<0.015	<0.003	<0.0015	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Ethylbenzene	*70*	*70*	0.39	0.25	0.23	0.21	0.33	0.31	0.31	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005
Methylene chloride	*0.5*	*0.5*	<0.001	<0.01	<0.005	<0.05	<0.01	<0.005	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001
Toluene	*100*	*100*	0.93	0.64	0.7	0.64	0.1	0.88	1	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Vinyl chloride	*0.2*	*0.2*	0.00048 J									<0.001	<0.001	<0.0005
Xylenes (total)	*1000*	*1000*	1.2	0.7	0.68	0.61	0.91	1	0.87	<0.001	<0.001	<0.0031	<0.0031	<0.0015
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*49*	*150*	6.5	2.8	11	0.9	0.8	3.9	<0.04	<0.00008	<0.00008	<0.00005	0.25	<0.00005
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.0058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.0042	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*9.8*	*29*	0.93	1.1	0.41	0.12	0.46	0.28	0.61	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*150*	*440*	0.38	0.55	0.061	0.05	0.15	0.08	0.22	<0.00009	<0.00009	<0.00005	0.0017	<0.00005
Acenaphthylene	*150*	*440*	0.0051	0.0086	0.0027	0.0014	0.0038	0.0022	<0.0015	<0.00007	<0.00007	<0.00005	0.00014 J	<0.00005
Anthracene	*730*	*2200*	0.039	0.19	0.013	0.0047	0.025	0.01	0.023	<0.00007	<0.00007	<0.00005	0.000054 J	<0.00005
Benzo(a)anthracene	*0.91*	*2*	0.0071	0.04	0.0007 J	<0.0005	0.0043	0.0008 J	<0.005	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	0.0021	0.012	<0.0002	<0.0002	0.0014	<0.0002	<0.002	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.0037	0.002	<0.00021	<0.00031	0.00068	0.00018 J
Chrysene	*91*	*200*	0.0065	0.042	0.00073 J	<0.00021	0.0039	0.00063 J	<0.0021	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Dibenzofuran	*9.8*	*29*	0.32	0.49	0.056	0.038	0.15	0.068	0.18	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Fluoranthene	*98*	*290*	0.047	0.34	0.0049	0.0012	0.031	0.0055	0.023	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Fluorene	*98*	*290*	0.21	0.46	0.034	0.024	0.069	0.041	0.11	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Naphthalene	*49*	*150*	17	13	22	0.4	0.4	7.1	15	0.00014 J	<0.0001	<0.00005	0.00012 J	0.00006 J
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.0079	<0.00008	<0.00008	<0.00005	0.00011 J	<0.00005
Phenanthrene	*73*	*220*	0.29	1.1	0.042	0.019	0.14	0.033	0.13	<0.00007	<0.00007	<0.00005	0.00025	<0.00005
Phenol	*730*	*2200*	1	0.32	0.71	0.25	0.2	0.47	0.5	0.0002	<0.00007	<0.00005	0.00033	<0.00005
Pyrene	*73*	*220*	0.03	0.21	0.0027	0.00088 J	0.019	0.0032	0.011	<0.00007	<0.00007	<0.00005	0.000062 J	<0.00005
Metals														
Arsenic	*1*	*1*	0.00404	0.00404	0.00241	0.00206	0.00329	0.0028	0.00142 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	MW-59B 01/31/2013	MW-59B 08/01/2013	MW-59B 01/16/2014	MW-59B 07/30/2014	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<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	*0.5*	*0.5*	<0.00008	0.0000981 J	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<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	*70*	*70*	<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	*0.5*	*0.5*	<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	*100*	*100*	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.18	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Xylenes (total)	*1000*	*1000*	<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	*0.11*	*0.26*	<0.000104	<0.000105	<0.000104	R	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.000292	<0.000295	<0.000292	R	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00019 J	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000123	<0.000124	<0.000123	R	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.0000755	<0.0000762	<0.0000755	R	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.0000755	<0.0000762	<0.0000755	R	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.000066	<0.0000667	<0.000066	R	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000038	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.000783	<0.00079	<0.000783	R	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.000528	<0.000533	<0.000528	R	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.0000755	<0.0000762	<0.0000755	0.000621U	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000051	<0.000027	<0.00014
Acenaphthylene	*150*	*440*	<0.0000566	<0.0000571	<0.0000566	R	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.0000472	<0.0000476	<0.0000472	R	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000031	<0.000014	0.000019 J
Benzo(a)anthracene	*0.91*	*2*	<0.0000755	<0.0000762	<0.0000755	R	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.0000755	<0.0000762	<0.0000755	R	<0.00002	<0.00002	<0.00002	0.000033 J	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.000123	<0.000124	<0.000123	R	<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*	<0.000349	<0.000352	<0.000349	R	0.000058 J	<0.000037	<0.000037	<0.000056	<0.00039	<0.000037	0.00011 J	<0.00011
Chrysene	*91*	*200*	<0.0000755	<0.0000762	<0.0000755	R	<0.000021	<0.000021	<0.000021	0.000036 J	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	<0.0000755	<0.0000762	<0.0000755	0.000201U	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00005	<0.00002	<0.00006
Di-n-butylphthalate (DBP)	*240*	*730*	<0.000104	0.000115 J	0.000105 J	R	<0.00002	<0.00002	<0.00002	<0.00002	0.000055 J	<0.00002	<0.00002	<0.000026
Fluoranthene	*98*	*290*	<0.000066	<0.0000667	<0.000066	R	<0.00001	<0.00001	<0.00001	0.000051 J	<0.00001	<0.000025	0.000071 J	<0.000034
Fluorene	*98*	*290*	<0.000066	<0.0000667	<0.000066	0.000189U	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000042	<0.00003	<0.00008
Naphthalene	*49*	*150*	<0.000269	<0.000166	<0.000172	0.00627U	<0.00002	<0.00002	<0.00002	0.000072 J	<0.00015	<0.00024	0.0002	<0.00002
Nitrobenzene	*4.9*	*15*	<0.000104	<0.000105	<0.000104	R	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.0000943	<0.0000952	<0.0000943	R	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.000575	<0.000581	<0.000575	R	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.0000566	<0.0000571	<0.000112	R	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000099	0.00012	<0.00013
Phenol	*730*	*2200*	<0.0000377	<0.0000381	<0.0000377	R	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000087 J	0.000075 J
Pyrene	*73*	*220*	<0.000104	<0.000105	<0.000104	R	<0.000019	<0.000019	<0.000019	0.000053 J	<0.000019	<0.000021	0.000051 J	<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

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	MW-59B 07/19/2021	MW-59B 01/12/2022	MW-59B 07/18/2022	MW60B 03/17/2020	MW-60B 06/01/2020	MW-60B 07/20/2020	MW-60B 01/14/2021	MW-60B 07/14/2021	MW-60B 07/18/2022	MW-60B 01/11/2022	MW61B 03/17/2020	MW-61B 06/01/2020
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
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
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
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
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
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
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
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
2,4-Dimethylphenol	*49*	*150*	<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	<0.000058	<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
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
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	<0.000019	8.9E-05 J	<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	<0.00002	<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
Acenaphthene	*150*	*440*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000042 J	<0.000027	6.2E-05 J	<0.000027	<0.000027	<0.000027	<0.000027
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
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000014 J
Benzo(a)anthracene	*0.91*	*2*	<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	<0.00002	<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
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.000037	<0.000049	0.00092	0.000089 J	0.000065 J	0.00071	0.00014 J	<0.000068	<0.000037	0.00015 J	0.000062 J
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000023 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	0.000047 J	0.000099 J	0.000021 J	<0.000032	<0.00002	<0.00002	<0.00002	<0.00002	0.00012 J
Fluoranthene	*98*	*290*	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	<0.00001	1.5E-05 J	6.9E-05 J	0.000017 J	<0.00001	<0.00001	<0.00001
Fluorene	*98*	*290*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	7.5E-05 J	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*49*	*150*	0.000049 J	<0.00013	0.000048 J	<0.00002	<0.00002	<0.00012	3.7E-05 J	0.0007	0.00013	<0.00002	<0.00002	<0.00002
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
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
Pentachlorophenol	*0.1*	*0.1*	<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	<0.000021	8.5E-05 J	7.7E-05 J	0.000038 J	<0.000021	<0.000021	<0.000021
Phenol	*730*	*2200*	<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*	0.000024 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00008 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals														
Arsenic	*1*	*1*	0.00095 J	0.0014 J	0.0147	0.00234	0.00222	0.00932	0.00615	<0.000807	0.000707 J	0.00387	0.00461	0.0104

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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-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
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	<0.001	<0.001	<0.001	<0.001
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.21	0.015	0.019	0.019	0.024	<0.001	<0.001
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.2	0.072	0.071	0.04	0.045	0.0012 J	0.0012 J
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.015	0.0016 J	0.0018 J	0.0017 J	0.0019 J	<0.001	<0.001
Vinyl chloride	*0.2*	*0.2*												
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.082	0.02	0.016	0.013 J	0.014 J	<0.0031	<0.0031
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008	<0.00008	0.000056 J	<0.00005	0.00005 J	0.00044 J
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.11	0.031	0.025	0.014	0.013	0.0029	0.0029
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<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	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Acenaphthene	*150*	*440*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.028	0.013	0.017	0.0053	0.0066	0.002	0.0019
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00051	0.00018 J	<0.00007	0.000066 J	0.00011 J	0.00012 J	0.00016 J
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00068	0.00039	0.0011	0.00011 J	0.0002 J	0.00015 J	0.00015 J
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	0.00087	<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	<0.00008	<0.00008	0.00027	<0.00005	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.00015	<0.000037	<0.000037	<0.000037	<0.00036	<0.00036	0.0006	<0.00051	<0.00029	0.00096	0.00073
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	0.00079	<0.00005	<0.00005	<0.00005	<0.00005
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.022	0.008	0.013	0.0041	0.0049	0.0024	0.0019
Di-n-butylphthalate (DBP)	*240*	*730*	0.000024 J	7.3E-05 J	<0.00002	<0.00002	<0.00002	0.00019 J	<0.00007	<0.00007	<0.00005	<0.00005	0.00014 J	0.00005 J
Fluoranthene	*98*	*290*	0.000024 J	<0.00001	<0.00001	<0.00001	0.000025 J	<0.00007	<0.00007	0.0042	<0.00005	<0.00005	0.000091 J	0.00005 J
Fluorene	*98*	*290*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0078	0.0041	0.0054	0.0019	0.0024	0.00093	0.00078
Naphthalene	*49*	*150*	<0.000032	<0.00012	<0.00002	<0.00011	<0.000068	3.1	0.67	0.76	0.36 J	0.49 J	0.027	0.026
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00018 J	0.00005 J
Phenanthrene	*73*	*220*	<0.000021	<0.000021	<0.000021	0.000065 J	<0.000029	0.0034	0.00076	0.0044	0.00075	0.00098	0.00072 J	0.0005 J
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00057 J	0.00095 J
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	<0.000019	0.000025 J	<0.00007	<0.00007	0.0029	<0.00005	<0.00005	0.000063 J	<0.00005
Metals														
Arsenic	*1*	*1*	0.00691	0.00672	0.00095 J	0.00302	<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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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	MW-63B 06/06/2018	MW-63B 01/14/2019	MW-63B 07/16/2019
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	0.0015 J	0.0016 J	0.00952	0.00919	0.0869	0.0762	0.108	0.0033	0.0026	0.048	0.35	0.11
Chlorobenzene	*10*	*10*	<0.0005	<0.0005	<0.00012	<0.00012	<0.00012	<0.00018	0.000216 J	<0.0003	<0.0003	<0.0003	0.00073 J	<0.0003
Ethylbenzene	*70*	*70*	0.0014 J	0.0014 J	0.0165	0.0163	0.0341	0.0418	0.151	0.012	0.0059	0.048	0.48	0.14
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	0.0038 J	0.0038 J	0.00241	0.00231	<0.000434	0.000399 J	0.00257	<0.0002	<0.0002	0.00093 J	0.0071	0.00071 J
Vinyl chloride	*0.2*	*0.2*							<0.00011					
Xylenes (total)	*1000*	*1000*	<0.0015	<0.0015	0.00629	0.00635	0.0113	0.0156	0.0535	0.0048	0.0016	0.011	0.11	0.041
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00005	<0.00005	<0.0148	<0.000295	<0.000292	<0.00307	<0.0031	<0.00004	<0.00004	<0.0004	<0.0004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00005	<0.00005	<0.00619	<0.000124	<0.000123	<0.00129	<0.0013	<0.000058	<0.000058	<0.00058	<0.00059	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00006	<0.00006	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.000042	<0.000042	<0.00042	<0.00042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.0034	0.0032	0.0104 J	0.00865	0.00242	0.00756	0.0302	0.000059 J	<0.000019	0.0016	0.042	0.037
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.00008	<0.0395	<0.00079	<0.000783	<0.00822	<0.0083	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00005	<0.00005	<0.0267	<0.000533	<0.000528	<0.00554	<0.0056	<0.000047	<0.000047	<0.00047	<0.00047	<0.000047
Acenaphthene	*150*	*440*	0.0023	0.0022	0.00952 J	0.0065	0.000833	0.00274 J	0.00754	0.00066	<0.000027	0.0027	<0.00027	0.012
Acenaphthylene	*150*	*440*	<0.00005	<0.00005	<0.00286	<0.0000571	<0.0000566	<0.000594	<0.0006	<0.000015	<0.000015	<0.00015	0.0029	0.00016
Anthracene	*730*	*2200*	<0.00013	<0.00011	0.00238 J	0.000124 J	<0.0000472	<0.000495	<0.0005	0.00011	0.00022	<0.00014	0.00017 J	0.00034
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.00005	<0.00005	<0.0005	<0.00051	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00005	<0.00005	<0.00619	<0.000124	<0.000123	<0.00129	<0.0013	<0.00003	<0.00003	<0.0003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00096 J	0.00051 J	<0.0176	<0.000376	0.000381 J	<0.00366	<0.0037	<0.000037	<0.000037	<0.00037	<0.00037	<0.000037
Chrysene	*91*	*200*	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021
Dibenzofuran	*9.8*	*29*	0.0026	0.0023	0.00576 J	0.00514	0.00104	0.002 J	0.00663	0.00065	<0.00002	0.002	0.0087	0.011
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00005	<0.00005	0.00524 J	0.000127 J	<0.000104	<0.00109	<0.0011	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002
Fluoranthene	*98*	*290*	<0.00013	<0.00013	<0.00333	<0.0000667	<0.000066	<0.000693	<0.0007	0.0001	<0.00001	<0.0001	<0.0001	<0.00001
Fluorene	*98*	*290*	0.0011	0.001	<0.00333	0.00208	0.000349 J	0.00102 J	0.00248 J	0.00033	<0.00003	0.00099 J	0.0029	0.0037
Naphthalene	*49*	*150*	0.044	0.04	0.251	0.162 J	0.146	0.374	1.69	<0.00066	<0.00002	0.29	2.1	1.5
Nitrobenzene	*4.9*	*15*	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011	<0.000024	<0.000024	<0.00024	<0.00024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.00005	<0.00005	<0.00476	<0.0000952	<0.0000943	<0.00099	<0.001	<0.000025	<0.000025	<0.00025	<0.00025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00005	<0.00005	<0.029	<0.000581	<0.000575	<0.00604	<0.0061	<0.000079	<0.000079	<0.00079	<0.0008	<0.000079
Phenanthrene	*73*	*220*	<0.001	<0.001	0.00286 J	0.000776 J	<0.0000566	0.00133 J	<0.0006	<0.000075	<0.000021	<0.00021	0.00094 J	0.0013
Phenol	*730*	*2200*	<0.00005	<0.00005	<0.0019	<0.0000381	<0.0000377	0.000889 J	<0.0004	<0.000035	<0.000035	<0.00035	<0.00035	<0.000035
Pyrene	*73*	*220*	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011	<0.000019	<0.000019	<0.00019	<0.00019	<0.000019
Metals														
Arsenic	*1*	*1*								0.00114 J	0.00211	0.000818 J	0.00338	0.00156 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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-67B 07/15/2010	MW-67B 01/27/2011	MW-67B 07/20/2011	MW-67B 02/09/2012	MW-67B 07/17/2012	MW-67B 02/12/2013
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014
Benzene	*0.5*	*0.5*	0.018	0.1	0.0036	0.041	0.21	0.069	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012
Ethylbenzene	*70*	*70*	0.051	0.14	0.002	0.0063	0.0061	0.0043	0.0015 J	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015
Toluene	*100*	*100*	<0.0002	0.0073	0.00051 J	0.00068 J	0.0021 J	0.0014	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015
Vinyl chloride	*0.2*	*0.2*												
Xylenes (total)	*1000*	*1000*	0.013	0.04	0.0036	0.012	0.018	0.02	0.0012 J	<0.001	<0.0031	<0.0031	<0.0015	<0.00026
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	6.8E-05 J	0.0005	<0.00004	<0.00004	<0.00008	<0.00008	<0.00005	0.0005 J	<0.00005	<0.000295
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00006	<0.00006	0.0022 J	<0.0000762
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762
2-Methylnaphthalene	*9.8*	*29*	<0.000056	0.006 J	<0.00033	0.029	0.0099	0.025	<0.00007	0.00007 J	<0.00005	0.00023 J	0.000062 J	<0.0000667
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	R
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533
Acenaphthene	*150*	*440*	<0.000059	0.0028 J	<0.0013	0.01	0.0054	0.0063	0.00011 J	<0.00009	<0.00005	0.00012 J	<0.00005	<0.0000762
Acenaphthylene	*150*	*440*	0.000032 J	<0.000015	<0.000015	9.7E-05 J	0.000058 J	0.00008 J	<0.00007	0.00007 J	<0.00005	<0.00005	<0.00005	<0.0000571
Anthracene	*730*	*2200*	<0.000081	0.000072 J	<0.000014	0.00021	0.00078	0.00017	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000476
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	0.00009 J	<0.00005	<0.00005	<0.00005	<0.000124
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.000065 J	<0.000037	0.00005 J	7.1E-05 J	<0.000037	<0.000037	0.0016	0.0022 J	<0.00094	0.00042	0.00012 J	<0.000352
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	0.000042 J	<0.000021	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762
Dibenzofuran	*9.8*	*29*	<0.000063	0.0021 J	<0.00084	0.0091	0.0041	0.0056	<0.00008	0.00008 J	<0.00005	0.00013 J	<0.00005	<0.0000762
Di-n-butylphthalate (DBP)	*240*	*730*	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00007	0.000083 J	<0.00005	<0.00005	<0.00005	<0.000105
Fluoranthene	*98*	*290*	<0.000023	<0.00001	<0.00001	<0.00001	0.00047	<0.00001	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667
Fluorene	*98*	*290*	<0.00012	0.00091 J	<0.00026	0.0035	0.0021	0.002	<0.00007	<0.00007	<0.00005	0.0001 J	<0.00005	<0.0000667
Naphthalene	*49*	*150*	<0.00035	0.29 J	<0.00018	0.91	0.49	0.9	<0.0001	0.00062	<0.00005	0.0019	0.00049	<0.0000762
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	0.00009 J	<0.00005	<0.00005	<0.00005	<0.000105
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	0.000581 J
Phenanthrene	*73*	*220*	<0.000072	0.00036 J	<0.000021	0.0016	0.0019	0.00087	<0.00007	<0.00007	<0.00005	0.00011 J	<0.00005	<0.0000571
Phenol	*730*	*2200*	<0.000035	<0.000035	0.00015 J	<0.000035	0.00029	<0.000035	<0.00007	<0.00007	<0.00005	0.000089 J	<0.00005	<0.0000381
Pyrene	*73*	*220*	<0.000021	<0.000019	<0.000019	<0.000019	0.00027	<0.000019	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105
Metals														
Arsenic	*1*	*1*	0.00204	<0.0004	0.00337	<0.0004	0.000659 J	0.00985						

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<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	*0.5*	*0.5*	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<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	*70*	*70*	<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	*0.5*	*0.5*	<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	*100*	*100*	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00036	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*	<0.00011		<0.00011							<0.0002		
Xylenes (total)	*1000*	*1000*	<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	*0.11*	*0.26*	<0.000104	<0.000106	<0.000106	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.000292	<0.000298	<0.000298	<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*	<0.000123	<0.000125	<0.000125	<0.000058	<0.000058	0.000058 J	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.0000755	<0.0000769	<0.0000769	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<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
2-Methylnaphthalene	*9.8*	*29*	<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
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.000783	<0.000798	<0.000798	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<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
Acenaphthene	*150*	*440*	<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
Acenaphthylene	*150*	*440*	<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
Anthracene	*730*	*2200*	<0.0000472	<0.000424	<0.0000481	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.0000755	<0.0000769	<0.0000769	<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*	<0.0000755	<0.0000769	<0.0000769	<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*	<0.000123	<0.000125	<0.000125	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<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
Chrysene	*91*	*200*	<0.0000755	<0.0000769	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	<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
Di-n-butylphthalate (DBP)	*240*	*730*	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
Fluoranthene	*98*	*290*	<0.000066	<0.0000673	<0.0000673	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*98*	*290*	<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
Naphthalene	*49*	*150*	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
Nitrobenzene	*4.9*	*15*	<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
N-Nitrosodiphenylamine	*19*	*42*	<0.0000943	<0.0000962	<0.0000962	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.000575	<0.000587	<0.000587	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<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
Phenol	*730*	*2200*	<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
Pyrene	*73*	*220*	<0.000104	<0.000106	<0.000106	<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

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	MW-67B 01/21/2022	MW-67B 07/27/2022	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0025	<0.007	<0.0002	<0.0014	<0.01	<0.002	<0.002	<0.002	<0.001	<0.01
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	0.21	**2.01**	**2.39**	**2.55**	**1.9**	**1.5**	0.1	**0.6**	**1.9**	**2.3**
Chlorobenzene	*10*	*10*	<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
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	0.058	0.524	0.621	0.742	0.57	0.75	0.58	0.54	0.7	0.75
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.005	<0.0075	<0.00022	<0.0015	<0.05	<0.01	<0.01	<0.01	<0.005	<0.05
Toluene	*100*	*100*	<0.0002	<0.0002	0.22	1.65	2.31	2.76	2.1	2.3	0.7	0.6	2	2.4
Vinyl chloride	*0.2*	*0.2*							<0.01					
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	0.19	1.51	1.68	2.11	1.5	2.1	0.6	0.5	2	2.1
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.0005	<0.075	<0.0157	<0.0107	<0.00042	<0.0021	<0.00021	<0.00021	<0.0021	<0.01
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	2.6	<2.11	**72**	**50.8**	49	16 J	0.1	1	8.5	39
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.0005	<0.0886	<0.0186	<0.0126	<0.0012	<0.0058	<0.00058	<0.00058	<0.0058	<0.029
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.0006	<0.0545	<0.0114	<0.00777	<0.00084	<0.0042	<0.00042	<0.00042	<0.0042	<0.021
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.0005	<0.0545	<0.0114	<0.00777	<0.00042	<0.0021	<0.00021	<0.00021	<0.0021	<0.01
2-Methylnaphthalene	*9.8*	*29*	<0.000019	0.00004 J	0.94	1.21	1.4	1.31	**10**	2 J	0.22	0.71	4.8	**140**
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.0008	**<0.566**	<0.119	<0.0806	<0.0004	<0.002	<0.0002	<0.0002	<0.002	<0.01
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.0005	<0.382	<0.08	<0.0544	<0.00094	<0.0047	<0.00047	<0.00047	<0.0047	<0.024
Acenaphthene	*150*	*440*	<0.000027	<0.000027	0.91	0.515	0.454	0.374	7.1	0.58 J	0.13	0.23	2.6	78
Acenaphthylene	*150*	*440*	<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
Anthracene	*730*	*2200*	<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
Benzo(a)anthracene	*0.91*	*2*	<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**
Benzo(a)pyrene	*0.02*	*0.02*	<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**
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.0005	**<0.0886**	<0.0186	<0.0126	<0.0006	<0.003	<0.0003	<0.0003	<0.003	<0.015
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<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
Chrysene	*91*	*200*	<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
Dibenzofuran	*9.8*	*29*	<0.00002	<0.00002	0.69	0.345	0.355	0.278	6.2	0.57 J	0.12	0.22	2.5	**76**
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.0005	<0.075	<0.0157	<0.0107	<0.0004	<0.002	<0.0002	<0.0002	<0.002	<0.01
Fluoranthene	*98*	*290*	<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
Fluorene	*98*	*290*	<0.00003	0.000044 J	0.66	0.211 J	0.217	0.186	6.7	0.52 J	0.092	0.16	2.3	70
Naphthalene	*49*	*150*	<0.00002	0.00013	5.3	17.3 J	30.1	18.1	**71**	15 J	0.9	5	22	**590**
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.0005	<0.075	<0.0157	<0.0107	<0.00048	<0.0024	<0.00024	<0.00024	<0.0024	<0.012
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.0005	<0.0682	<0.0143	<0.00971	<0.0005	<0.0025	<0.00025	<0.00025	<0.0025	<0.012
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.0005	**<0.416**	<0.0871	<0.0592	<0.0016	<0.0079	<0.00079	<0.00079	<0.0079	<0.04
Phenanthrene	*73*	*220*	<0.000021	<0.000021	0.93	0.227 J	0.175	0.162	14	2.3 J	0.16	0.25	5.8	**200**
Phenol	*730*	*2200*	<0.000035	<0.000035	0.077	2.87	3.86	1.69	3.4	1.7 J	0.45	0	0.71	3.3
Pyrene	*73*	*220*	<0.000019	<0.000019	0.094	<0.075	<0.0157	<0.0107	3.2	0.24 J	0.02	0.027	0.97	37
Metals														
Arsenic	*1*	*1*	<0.0004	0.000814 J					0.0012 J	0.00168 J	0.00199 J	0.0017 J	0.00197 J	0.00222

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Metals														
Arsenic	*1*	*1*							0.00174 J	0.00214	0.000851 J	0.00158 J	0.000626 J	0.00279

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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.005	<0.007	<0.014	<0.0002	0.018	<0.0002	<0.001
Benzene	*0.5*	*0.5*	0.082	0.012	0.043	0.0055 J	0.023	**1.4**	**1.45**	**1.23**	**0.932**	**0.8**	**1.1**	**1.2**
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.005	<0.006	<0.012	0.00029 J	0.00033 J	<0.0003	<0.0015
Ethylbenzene	*70*	*70*	0.017	0.0033	0.0064	<0.003	<0.0003	0.31	0.321	0.332	0.224	0.26	0.31	0.34
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	0.012 J	<0.001	<0.01	<0.0075	0.291	<0.00022	<0.001	<0.001	<0.005
Toluene	*100*	*100*	0.0024	0.00079 J	0.0033	<0.002	<0.0002	1.1	1.18	1.12	0.724	0.72	0.99	0.95
Vinyl chloride	*0.2*	*0.2*												
Xylenes (total)	*1000*	*1000*	0.0087	0.0025	0.004	<0.003	<0.0003	0.88	0.96	0.928	0.661	0.87	0.94	1.1
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	<0.0524	<0.0267	**<0.156**	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	0.00073	<0.00004	20	**98.1**	29.9	**182 J**	10	16	14
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0005	<0.0619	<0.0316	**<0.184**	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0006	<0.0381	<0.0194	<0.113	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	<0.0381	<0.0194	<0.113	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*9.8*	*29*	0.0026 J	0.00034	0.0021	<0.000019	0.000092 J	0.74	1.39	1.19	3.37	0.33	0.42	0.23
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0008	**<0.395**	<0.201	**<1.17**	<0.0002	<0.0002	<0.0002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0005	<0.267	<0.136	<0.792	<0.00047	<0.00047	<0.00047
Acenaphthene	*150*	*440*	0.0019 J	0.000079 J	0.007	0.0037	0.004	0.23	0.584	0.476	1.6	0.07	0.15	0.12
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	0.000077 J	0.000051 J	<0.000015	0.0073	<0.0286	<0.0146	<0.0849	0.0021	<0.00015	0.003
Anthracene	*730*	*2200*	0.00054 J	0.00015	0.0019	0.00057	0.00064	0.017	0.0646 J	0.033 J	0.179 J	0.0085	0.02	<0.00014
Benzo(a)anthracene	*0.91*	*2*	0.00041 J	0.00028	0.00054	0.00028	0.00017	<0.0005	<0.0381	<0.0194	<0.113	<0.0005	<0.0005	<0.0005
Benzo(a)pyrene	*0.02*	*0.02*	0.00026 J	0.00014	0.00015	0.00012	0.000093 J	<0.0005	**<0.0381**	<0.0194	**<0.113**	<0.0002	<0.0002	<0.0002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0005	<0.0619	<0.0316	**<0.184**	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.00012	0.000084 J	<0.000037	0.00012 J	<0.001	<0.176	<0.0898	<0.524	<0.00037	<0.00037	<0.00037
Chrysene	*91*	*200*	0.00043 J	0.00027	0.00044	0.00031	0.00024	<0.0005	<0.0381	<0.0194	<0.113	<0.00021	<0.00021	<0.00021
Dibenzofuran	*9.8*	*29*	0.0015 J	0.00013	0.0068	0.0028	0.002	0.18	0.355	0.348	1.21	0.06	0.13	0.082
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.000091	0.000037 J	<0.00002	<0.00002	<0.0005	<0.0524	<0.0267	<0.156	<0.0002	<0.0002	<0.0002
Fluoranthene	*98*	*290*	0.0015 J	0.0007	0.0041	0.00062	0.001	0.0034	<0.0333	<0.017	<0.0991	<0.0001	0.0015	0.00095 J
Fluorene	*98*	*290*	0.0011 J	0.0001	0.0043	0.0028	0.0026	0.11	0.253	0.224	0.7 J	0.032	0.069	0.051
Naphthalene	*49*	*150*	0.23 J	0.0048	0.14	<0.00034	0.00047	16	**88.5 J**	25	**82.8**	7.5	13	12
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0005	<0.0524	<0.0267	<0.156	<0.00024	<0.00024	<0.00024
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0005	<0.0476	<0.0243	<0.142	<0.00025	<0.00025	<0.00025
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0005	**<0.29**	**<0.148**	**<0.863**	<0.00079	<0.00079	<0.00079
Phenanthrene	*73*	*220*	0.0022 J	<0.00018	0.0048	0.00064	0.00037	0.079	0.264	0.182	0.76	0.02	0.084	0.045
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	3.4	7.51	6.31	31.4	4.2	4.2	2.3
Pyrene	*73*	*220*	0.001 J	0.00047	0.0027	0.00035	0.00058	0.0019 J	<0.0524	<0.0267	<0.156	<0.00019	0.0012	0.00074 J
Metals														
Arsenic	*1*	*1*	<0.0004	0.000934 J	<0.00118	0.0012 J	0.00138 J					0.00127 J	0.000624 J	0.000951 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.

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2022)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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	MW-72B 01/13/2022	MW-72B 07/12/2022
Volatile Organic Compounds										
1,2-Dichloroethane	*0.5*	*0.5*	0.011	<0.0002	<0.002	<0.0002	<0.005	<0.002	<0.001	<0.0002
Benzene	*0.5*	*0.5*	**0.63**	**1.1**	**0.7**	**0.92**	**0.98**	**1**	**0.94**	**0.91**
Chlorobenzene	*10*	*10*	<0.003	<0.0003	<0.003	0.0003 J	<0.0075	<0.003	<0.0015	<0.0003
Ethylbenzene	*70*	*70*	0.2	0.3	0.13	0.23	0.24	0.32	0.37	0.21
Methylene chloride	*0.5*	*0.5*	<0.01	<0.001	<0.01	<0.001	<0.025	<0.01	<0.005	<0.001
Toluene	*100*	*100*	0.58	0.96	0.58	0.75	0.87	1.1	0.83	0.73
Vinyl chloride	*0.2*	*0.2*								
Xylenes (total)	*1000*	*1000*	0.63	0.97	0.36	0.54	0.67	0.89	1.2	0.6
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021
2,4-Dimethylphenol	*49*	*150*	2	19	13	22	4.2	7.5	10	16
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.042
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021
2-Methylnaphthalene	*9.8*	*29*	0.071	0.57	0.22	0.099	0.2	0.25	0.48	0.42
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.02
4-Nitrophenol	*4.9*	*15*	0.0073 J	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.047
Acenaphthene	*150*	*440*	0.019	0.2	0.079	0.063	0.059	0.078	0.14	0.15
Acenaphthylene	*150*	*440*	0.00069 J	0.0044	0.0023	0.0018	0.0019	0.002	0.0031	<0.015
Anthracene	*730*	*2200*	0.0015	0.034	0.02	0.0059	0.0044	0.011	0.012	<0.014
Benzo(a)anthracene	*0.91*	*2*	<0.0005	0.0069	0.0031	0.00062 J	<0.0005	0.002	<0.0005	<0.05
Benzo(a)pyrene	*0.02*	*0.02*	<0.0002	0.0019	0.0011	<0.0002	<0.0002	0.00078 J	<0.0002	<0.02
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.03
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.037
Chrysene	*91*	*200*	<0.00021	0.0069	0.0033	0.00027 J	<0.00021	0.002	<0.00021	<0.021
Dibenzofuran	*9.8*	*29*	0.017	0.16	0.061	0.052	0.046	0.066	0.088	0.11
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.02
Fluoranthene	*98*	*290*	<0.0001	0.046	0.024	0.0012	0.00084 J	0.012	0.0012	<0.01
Fluorene	*98*	*290*	0.0091	0.12	0.049	0.031	0.028	0.045	0.054	0.07 J
Naphthalene	*49*	*150*	1.2	12	2	8.8	5.6	7.1	9.4	9.4
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.024
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.025
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.079
Phenanthrene	*73*	*220*	0.0042	0.16	0.075	0.028	0.016	0.05	0.035	0.049 J
Phenol	*730*	*2200*	0.58	9.3	5.2	6.4	2.1	2.8	5.3	4.9
Pyrene	*73*	*220*	<0.00019	0.029	0.013	0.00093 J	0.00039 J	0.0087	<0.00019	<0.019
Metals										
Arsenic	*1*	*1*	0.00106 J	0.000861 J	0.00105 J	0.00106 J	0.00141 J	0.00217	0.00232	0.00312

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.

TABLE 4

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

Location ID: / Sample Date:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1) Cgw,Target (mg/L)	Max Values (mg/L)	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-26A 07/17/2019	MW-26A 01/16/2020	MW-26A 07/27/2020
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
Naphthalene	*0.0174*	*0.9400*	0.00023	0.0001	0.001	<0.00002	<0.00002	<0.00002	<0.001	<0.00032	<0.00017	<0.000049
Nitrobenzene	*0.715*	*0.001*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.001
Volatile Organic Compounds (mg/L)												
1,2-Dichloroethane	*0.0151*	*0.00031*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	*0.00039*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00036 J	<0.0002	<0.0002
Chlorobenzene	*0.041*	*0.00058*	<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*	*0.0021*	<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
Xylenes (total)	*0.0385*	*0.00032*	<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.

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-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-28A	MW-28A
Sample Date:	Cgw,Target (mg/L)	01/19/2021	07/20/2021	01/20/2022	07/20/2022	07/18/2019	01/15/2020	07/28/2021	01/25/2022	07/19/2022	07/16/2019	01/16/2020
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00053	<0.00005	<0.00005	0.000055 J	0.000073 J
Naphthalene	*0.0174*	<0.00079	<0.00091	<0.00002	<0.00002	0.0026	0.000053 J	0.00015	<0.00002	<0.00002	0.0013	<0.0006
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	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.

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-32AR	MW-32AR	MW-32AR	MW-32AR	MW-32AR
Sample Date:	*Cgw,Target (mg/L)*	07/23/2020	01/20/2021	07/21/2021	08/26/2021	01/27/2022	07/20/2022	07/30/2019	01/20/2020	07/23/2020	01/19/2021	07/21/2021
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	0.000054 J	<0.00005	0.000088 J	<0.00005	<0.00013
Naphthalene	*0.0174*	0.00015 J	<0.000091	0.94(UV)	<0.00002	<0.0002	0.000083 J	<0.00002	<0.00014	0.00026 J	<0.00002	<0.0019
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<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	NA	NA	NA	NA	NA	NA	<0.0002	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.

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-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP)
Sample Date:	*Cgw,Target (mg/L)*	01/20/2022	01/20/2022	07/17/2019	07/17/2019	01/20/2020	01/20/2020	07/28/2020	07/28/2020	08/18/2020	08/18/2020
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	<0.00005	0.000079 J	<0.00005	<0.00005	0.00012	0.00012	NA	NA	0.00011	0.00014
Naphthalene	*0.0174*	<0.00002	0.0012	<0.000076	<0.000096	<0.0005	<0.00066	NA	NA	<0.00002	<0.000021
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	NA	NA	<0.000024	<0.000025
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	NA	NA
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	NA
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	NA
Vinyl chloride	*0.00147*	NA	NA	NA	NA	<0.0002	<0.0002	--	--	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA

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.

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-35A	MW-35A
Sample Date:	*Cgw,Target (mg/L)*	01/19/2021	01/19/2021	07/21/2021	07/21/2021	01/25/2022	01/25/2022	07/21/2022	07/21/2022	07/18/2019	01/10/2020
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	<0.00005	0.000065 J	0.00013	0.00013	0.0002	0.0002	<0.00005	0.00011	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.0002	<0.00014	<0.0002	<0.00017	<0.00002	<0.00011	0.00013 J	0.00024 J	0.00083	<0.0002
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	<0.0002
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.

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-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A
Sample Date:	Cgw,Target (mg/L)	07/22/2020	01/12/2021	07/22/2021	01/27/2022	07/20/2022	07/16/2019	01/09/2020	07/28/2020	08/18/2020	01/27/2021	07/21/2021
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.000052	<0.00005	<0.00005
Naphthalene	*0.0174*	0.0012	<0.00035	<0.011	0.00034	0.000093 J	0.00015	<0.00034	NA	<0.000021	<0.00002	<0.00063
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	NA	<0.000025	<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	NA	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	<0.0002	<0.0002
Chlorobenzene	*0.041*	0.00058 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	<0.0002	<0.0002	<0.0002	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	0.00032 J	0.0003 J	0.0003 J	<0.0003	<0.0003	<0.0003	NA	<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.

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-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-44A	MW-44A
Sample Date:	*Cgw,Target (mg/L)*	01/25/2022	07/27/2022	07/31/2019	01/21/2020	07/20/2020	01/13/2021	07/14/2021	01/27/2022	07/26/2022	07/17/2019	01/09/2020
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	0.000087 J	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	0.000085 J	0.000054 J
Naphthalene	*0.0174*	<0.00002	0.000054 J	0.000068 J	0.0011	<0.00002	0.000042 J	<0.00011	0.00018	0.0019	<0.00019	<0.003
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<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	0.00031 J	<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	NA	NA	NA	NA	NA	NA	NA	NA	<0.0002	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.

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-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-59A
Sample Date:	Cgw,Target (mg/L)	07/22/2020	01/26/2021	07/22/2021	01/25/2022	03/20/2020	07/21/2020	01/21/2021	07/14/2021	01/11/2022	07/24/2022	07/17/2019
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.000057	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00016	<0.000091	0.011	<0.00023	<0.00002	0.00025	<0.00015	<0.000069	<0.000058	<0.000065	<0.00012
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	<0.0002
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.

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-60A	MW-60AR	MW-60AR	MW-60AR	MW-60AR
Sample Date:	*Cgw,Target (mg/L)*	01/16/2020	07/21/2020	01/26/2021	07/19/2021	01/12/2022	07/18/2022	07/17/2019	03/20/2020	07/20/2020	01/14/2021	07/08/2021
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*	<0.0012	0.00017	<0.00007	0.000087J	<0.0003	0.000028 J	<0.00013	<0.00002	<0.00002	<0.00002	0.00004J
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	0.0021	<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	NA	NA	NA	NA	<0.0002	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.

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-60AR	MW-60AR	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-68A	MW-68A
Sample Date:	*Cgw,Target (mg/L)*	01/11/2022	07/18/2022	07/17/2019	01/16/2020	07/20/2020	01/27/2021	07/19/2021	01/12/2022	07/22/2022	07/18/2019	01/17/2020
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*	<0.00014	0.0002	<0.00002	<0.00021	<0.000073	<0.00002	0.00008J	<0.00002	<0.000061	0.00035	<0.00022
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	NA	<0.0002	<0.0002	<0.0002	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.

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-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A
Sample Date:	*Cgw,Target (mg/L)*	07/27/2020	01/18/2021	07/20/2021	01/20/2022	07/19/2022	07/17/2019	07/21/2020	01/21/2021	07/19/2021	01/12/2022	03/10/2022
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0033	<0.00005
Naphthalene	*0.0174*	<0.000029	<0.00002	<0.00002	<0.00002	<0.000035	<0.000078	0.00019	0.00012	0.0001	0.13 (UV)	0.000079 J
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<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	NA
Benzene	*0.0138*	<0.0002	<0.0002	0.00039 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003 J	0.0002 J	NA
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	<0.0002	<0.0002	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	NA

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.

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-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-91A	MW-91A	MW-91A	MW-91A
Sample Date:	*Cgw,Target (mg/L)*	03/10/2022	03/12/2020	07/27/2020	01/18/2021	07/20/2021	01/20/2022	07/26/2022	03/12/2020	07/23/2020	01/20/2021	07/21/2021
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.000051	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.000053	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00011	0.000023 J	<0.00013	<0.00002	<0.00002	0.000063 J	<0.00002	0.000083 J	<0.00002	0.093	<0.00019
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<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	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.

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 (DUP)	MW-91A	MW-91A (DUP)	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-95A
Sample Date:	Cgw,Target (mg/L)	01/20/2022	01/20/2022	07/27/2022	07/27/2022	03/12/2020	7/202020	01/12/2021	07/19/2021	01/25/2022	07/26/2022	03/17/2020
Semivolatile Organic Compounds (mg/L)												
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00025	<0.00002	<0.00002	<0.000098	<0.00002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<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	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.

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
Sample Date:	Cgw,Target (mg/L)	07/20/2020	01/13/2021	07/19/2021	01/25/2022	07/22/2022
Semivolatile Organic Compounds (mg/L)						
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00002	<0.00025	<0.000056	<0.00002	<0.000086
Nitrobenzene	*0.715*	<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
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

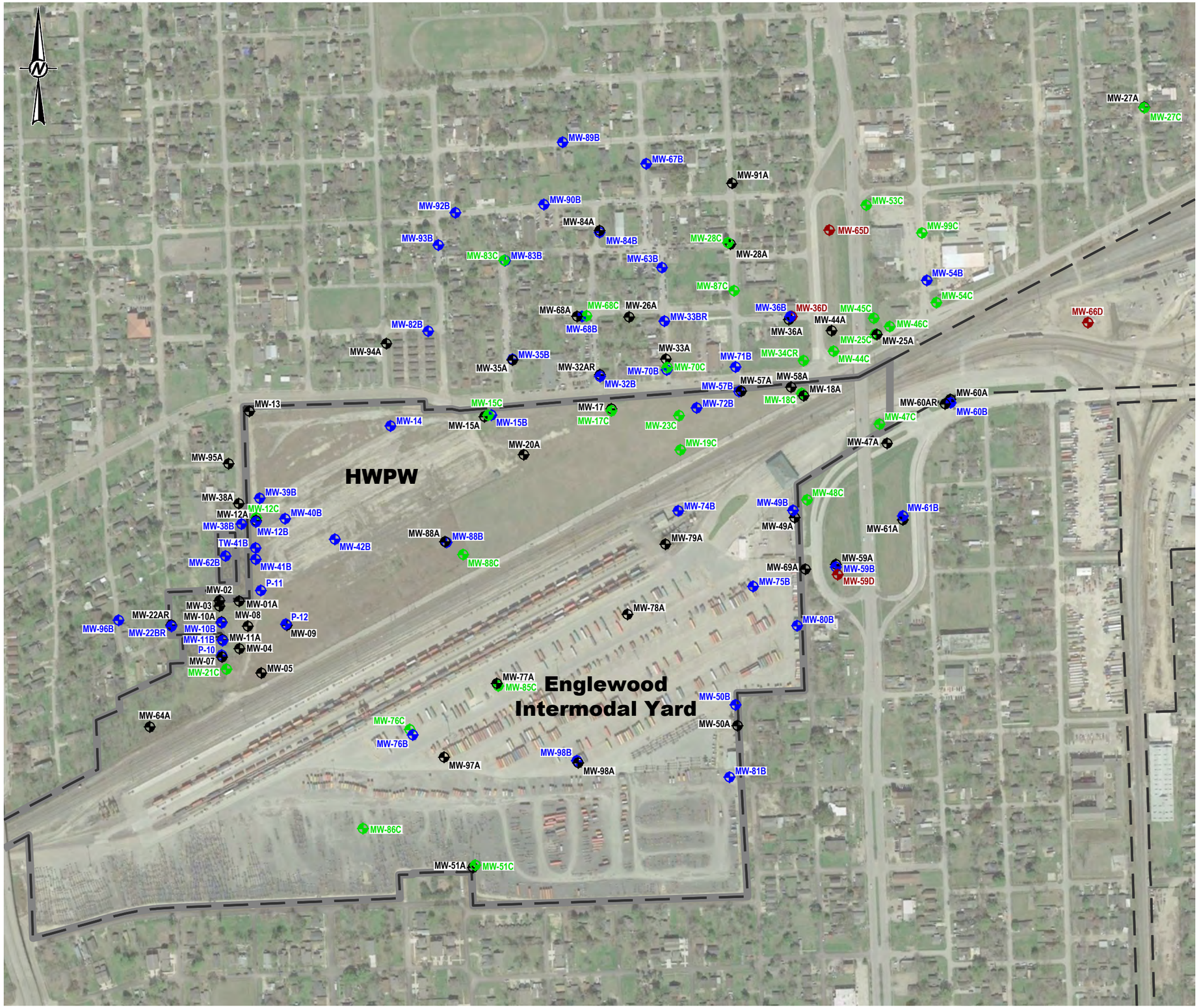
Notes: VISL Calculator output for target groundwater screening level with inputs: residential scenario, hazard quotient of 0.1, carcinogenic risk of 10-5, and groundwater temperature of 25 degree Celsius (EPA, 2019).

J = Estimated value

< = Compound not detected at the specified detection limit.

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

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

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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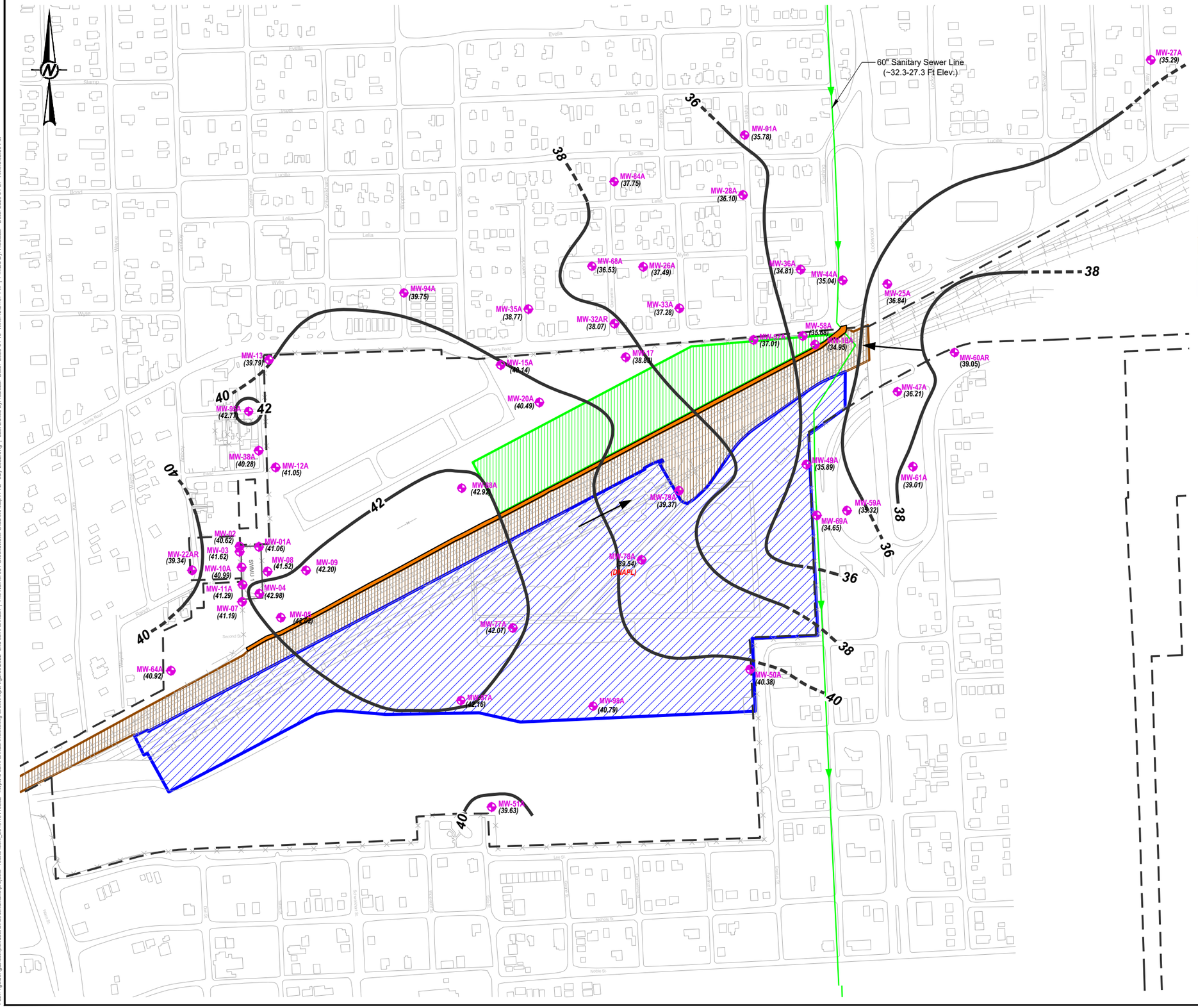


LEGEND

- 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 2022 SITE WIDE MONITORING EVENT).

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - A-TZ
JULY 2022

CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2023-04-27
DESIGNED	XXX
PREPARED	RS
REVIEWED	MH
APPROVED	ECM

PROJECT NO. GL19119232 | REV. A | FIGURE 2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

Path: \\golder.gds\complexdata\office\texarkana\projects - round rock_20191911923 - hwpw\0-semi-annual monitoring event\hwpw figures\2022- 2nd semi-annual\ | File Name: 001 Groundwater Gradient Map A-TZ - July 2022.dwg | Last Edited By: rsalazar Date: 2023-04-19 Time:12:21:07 PM | Printed By: RSalazar Date: 2023-04-27 Time:6:02:50 PM

CLASS 2 GW

CLASS 3 GW

MW-89B (35.90)
MW-67B (37.91)
MW-90B (37.05)
MW-92B (37.63)
MW-84B (36.43)
MW-93B (38.72)
MW-83B (37.94)
MW-63B (37.44)
MW-54B (29.51)
MW-33BR (37.54)
MW-36B (36.40)
MW-82B (NM)
MW-35B (38.61)
MW-70B (37.59)
MW-71B** (42.66)
MW-32B (38.15) (DNAPL)
MW-57B (35.84) (DNAPL)
MW-92B (35.50)
MW-60B (37.52)
MW-15B (39.36)
MW-14 (40.50)
MW-39B (41.05)
MW-38B (40.19)
MW-40B (40.67)
MW-12B (43.13) (DNAPL)
TW-41B (41.09)
MW-42B (41.89)
MW-88B (42.84)
MW-41B (42.83) (DNAPL)
MW-62B (40.58)
P-11 (41.27)
MW-74B (39.35) (DNAPL)
MW-49B (37.58)
MW-61B (41.45)
MW-59B (35.64)
MW-75B (NM)
MW-96B (43.50)
MW-22BR (40.48)
MW-10B (40.86)
MW-11B (40.95)
P-12 (42.14)
P-10 (41.17)
MW-80B (36.78)
MW-50B (38.43)
MW-76B (42.85)
MW-98B (40.48)
MW-81B (40.24)

30 32 34 36 38 40 42

Path: \\golder.gdb.\corp\dex\data\office\Texarkana\Projects - Round Rock_2019\19119232 - HWPW\0-Semi-Annual Monitoring Event\HWPW Figures\2022- 2nd Semi-Annual\ | File Name: \002 Groundwater Gradient Map B-TZ\B-CZ - July 2022.dwg | Last Edited By: rsalazar Date: 2023-04-27 Time:6:06:24 PM | Printed By: asdiamond Date: 2023-06-05 Time:3:17:44 PM

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 2022 SITE WIDE MONITORING EVENT).
3. NM - NOT MEASURED
4. ** - NOT USED TO DEVELOP POTENTIOMETRIC SURFACE.

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

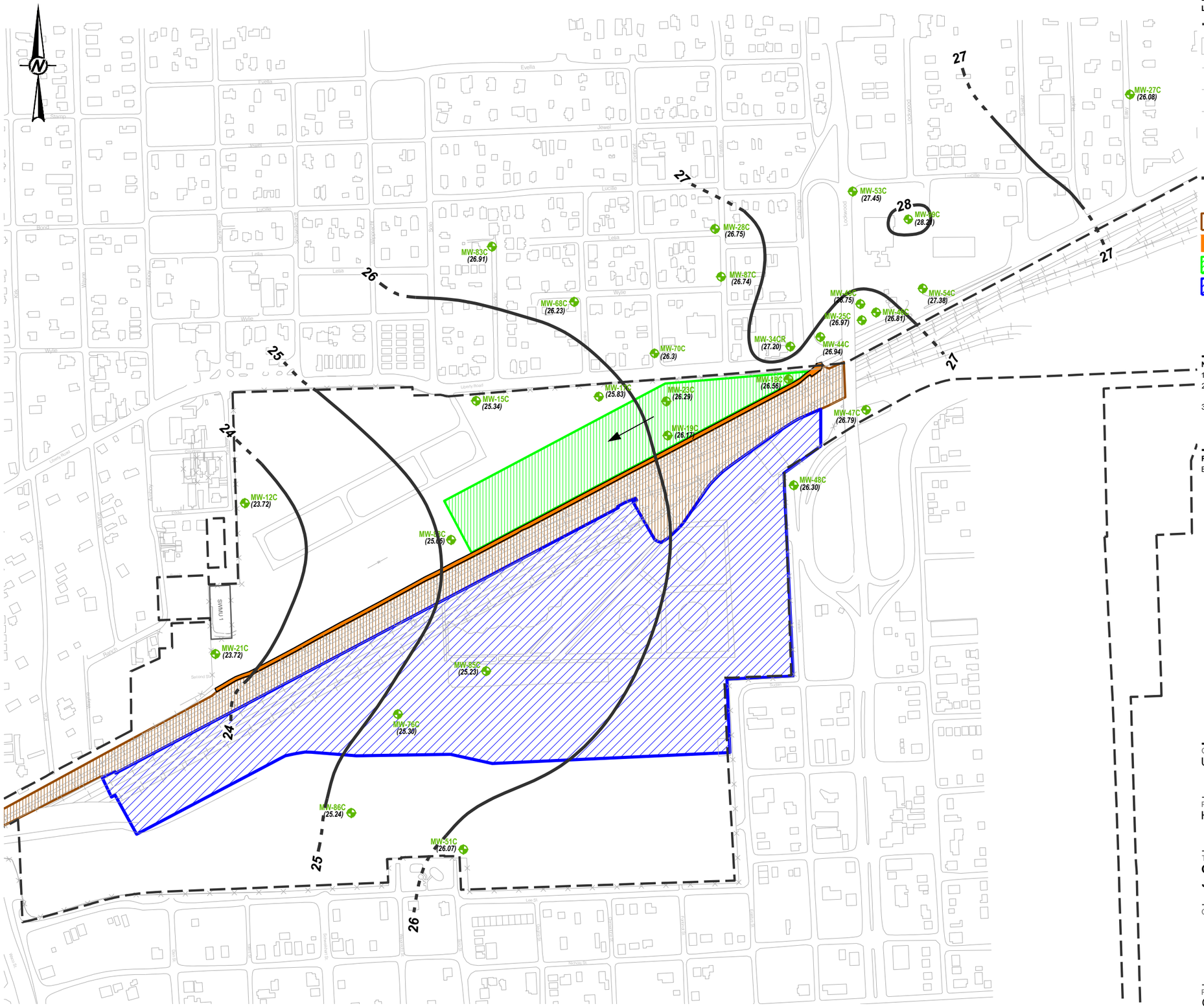
TITLE
GROUNDWATER GRADIENT MAP - B-TZ/B-CZ
JULY 2022

CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2023-04-27
DESIGNED	XXX
PREPARED	RS
REVIEWED	MH
APPROVED	ECM

PROJECT NO. GL19119232 | REV. A | FIGURE 3

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
- 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).
2. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (DURING JULY 2022 SITE WIDE MONITORING EVENT).
3. NM - NOT MEASURED

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - C-TZ
JULY 2022

CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2023-04-03
DESIGNED	XXX
PREPARED	RS
REVIEWED	MH
APPROVED	ECM

PROJECT NO. GL19119232 | REV. A | FIGURE 4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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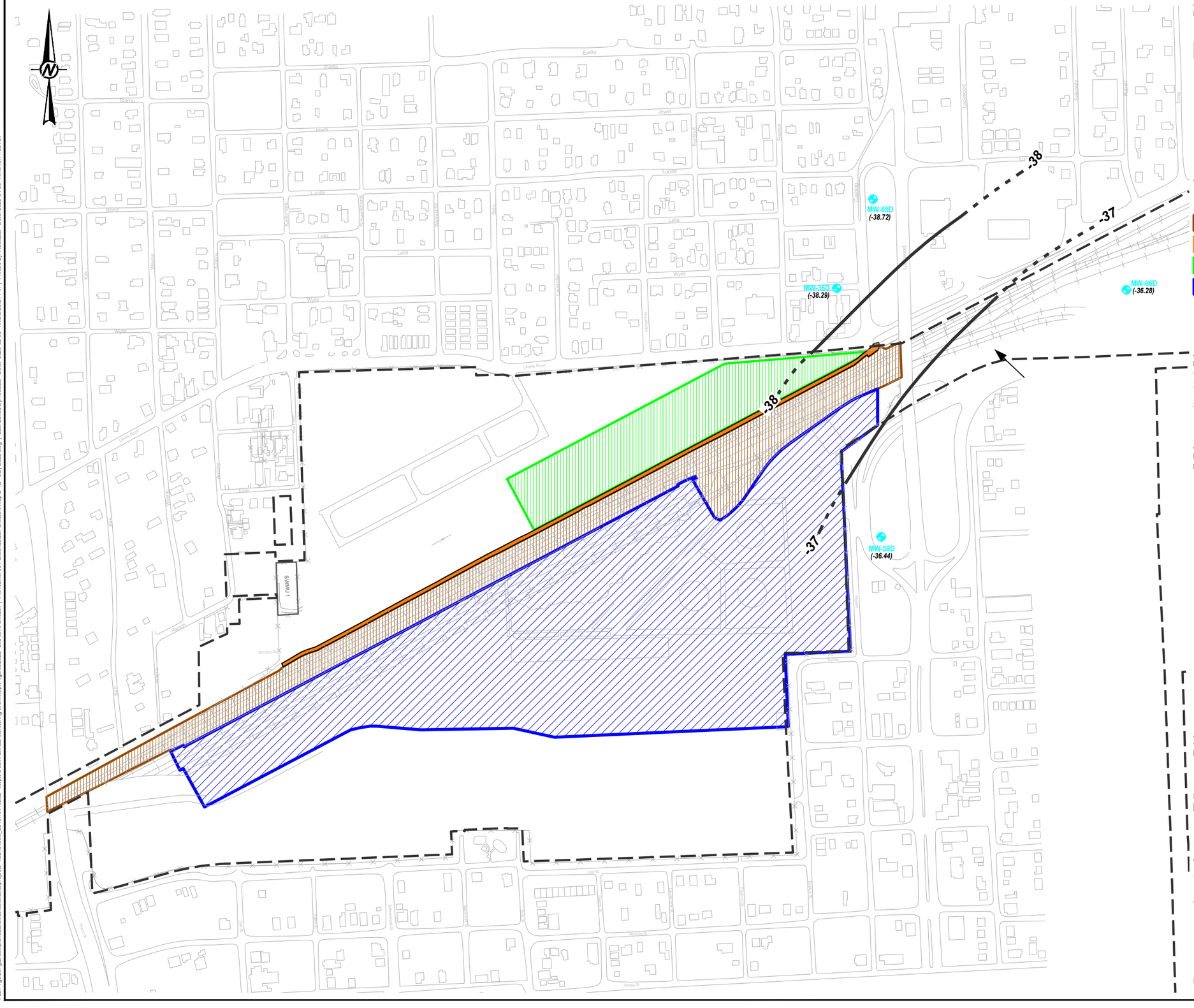

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LEGEND

- 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 2022 SITE WIDE MONITORING EVENT).
3. NM - NOT MEASURED

REFERENCE(S)

BASE MAP FROM ERM-SOUTHWEST, INC APAR ADDENDUM, FIG 3-1, DATED JUNE 2004.

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

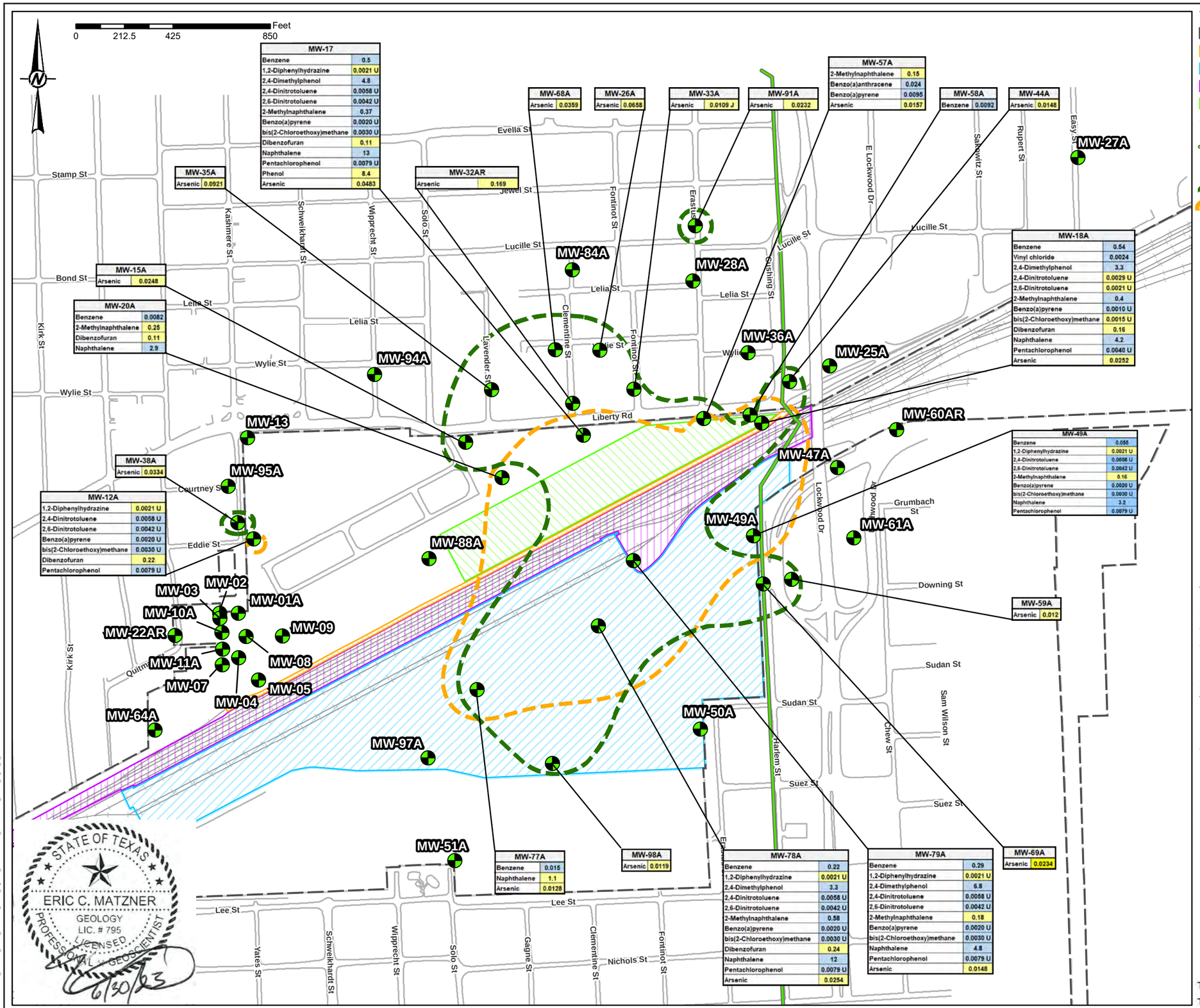
TITLE
GROUNDWATER GRADIENT MAP - D-TZ
JULY 2022

CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2023-04-03
DESIGNED	XXX
PREPARED	RS
REVIEWED	MH
APPROVED	ECM

PROJECT NO. GL19119232 | REV. A | FIGURE 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



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
- CUMULATIVE ARSENIC PCLE ZONE
- CUMULATIVE GW PCLE ZONE

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
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

NOTES

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).

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - JULY 2022

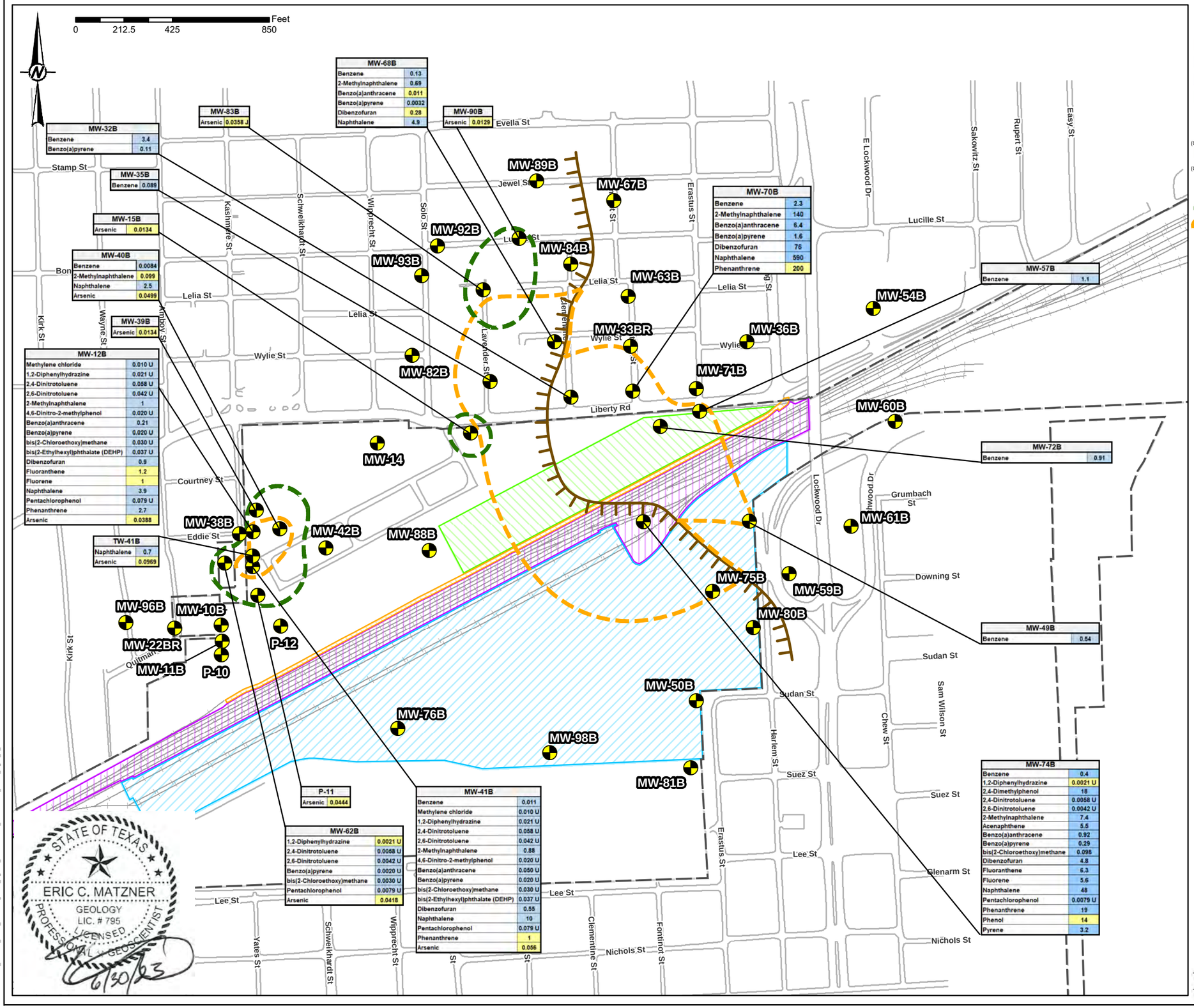
CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
6

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\417_GIL19119232_UPRR_Fig06_A_TZ.mxd PRINTED ON: 2023-04-28 AT: 9:10:48 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



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
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

NOTES

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).

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

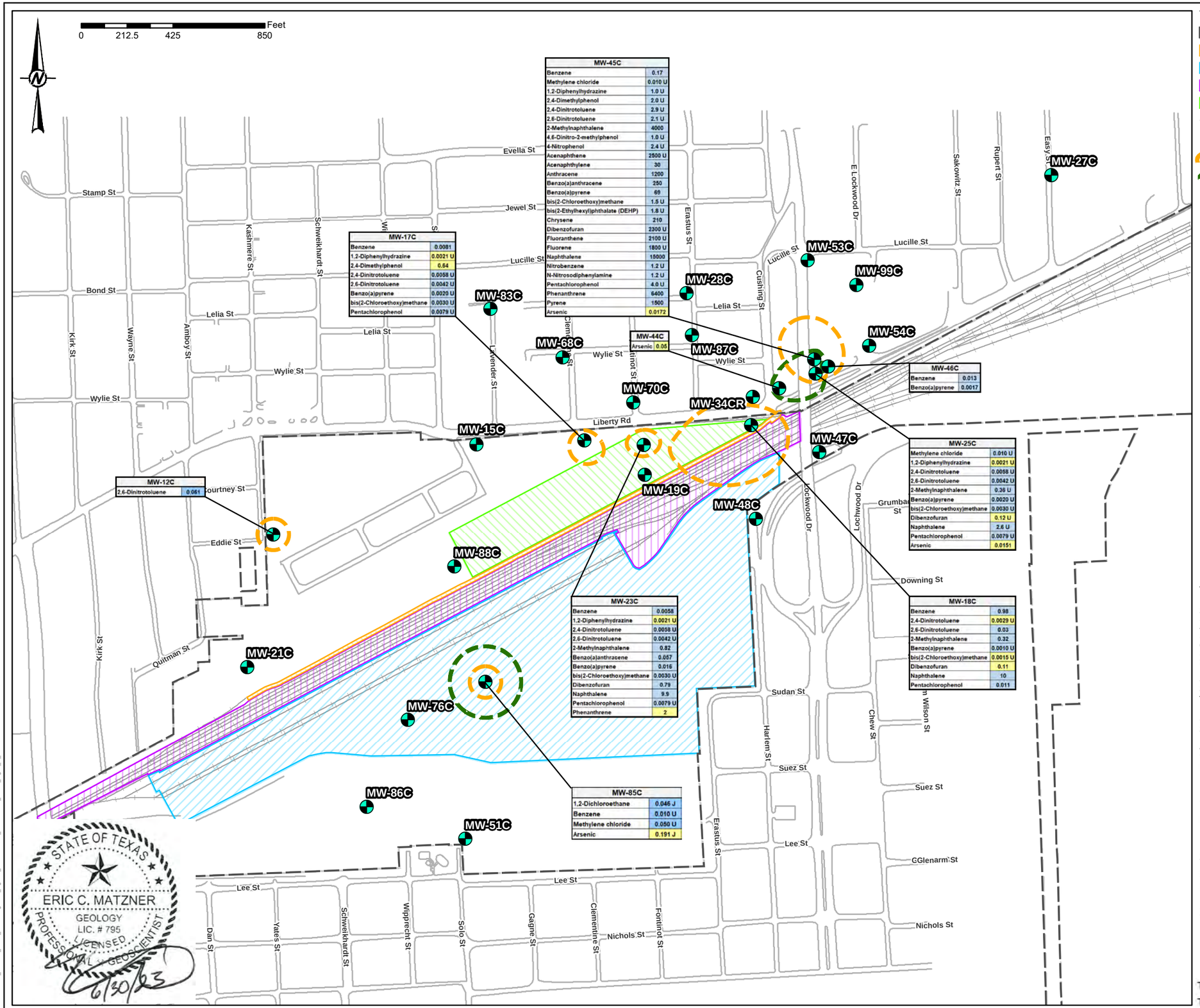
YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
7

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\r17_GL\19119232_UPRR_Fig07_B_TZ.mxd PRINTED ON: 2023-04-28 AT: 10:00:34 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- C-TZ MONITORING WELL LOCATION
- CUMULATIVE GW PCLE ZONE
- CUMULATIVE ARSENIC PCLE ZONE

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
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

NOTES

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).

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - JULY 2022

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-06-06
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
8

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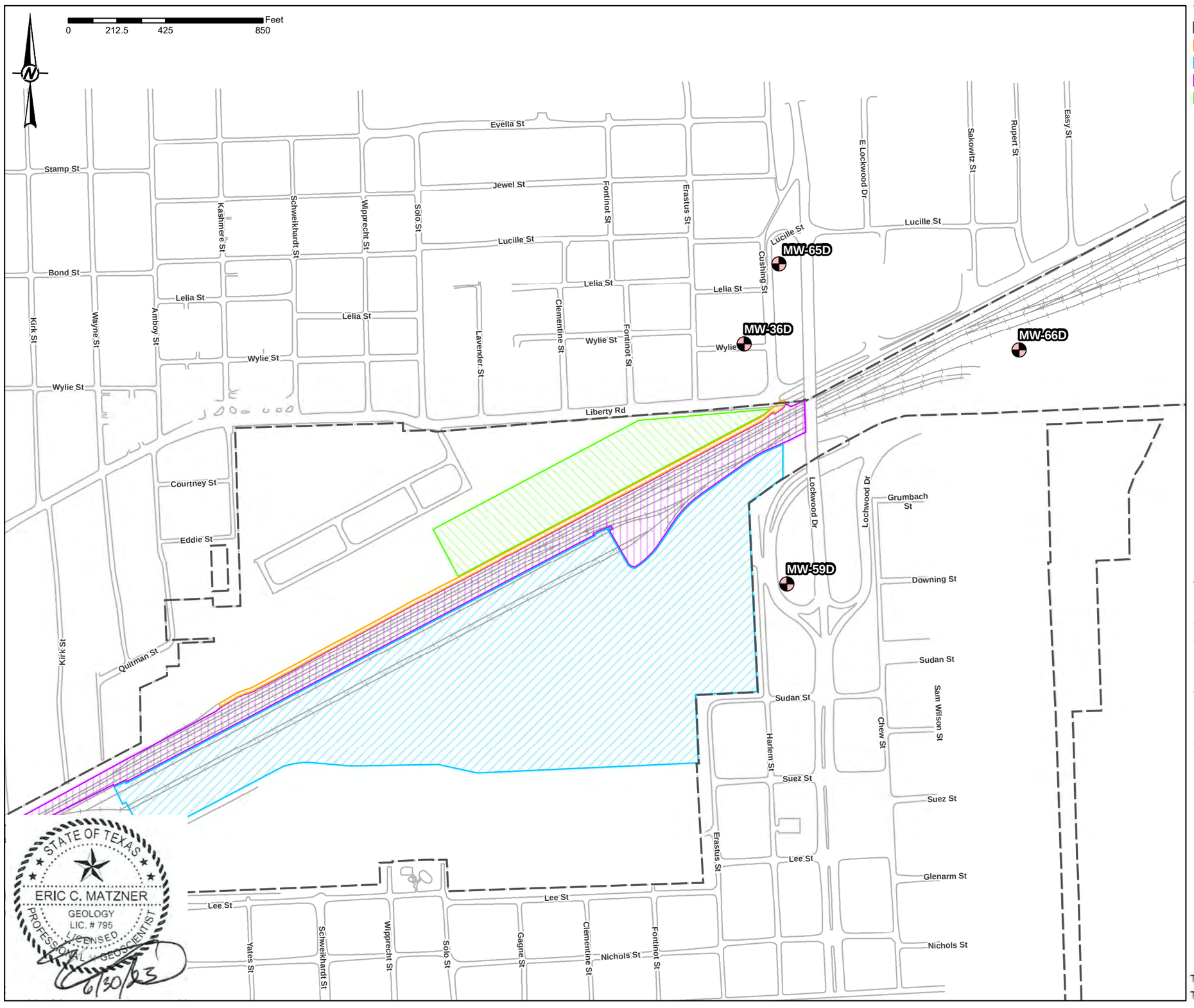
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



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
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

NOTES

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. All concentrations were below RAL/cPCL in July 2022.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

STATE OF TEXAS
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6/30/23

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
D-TZ - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-05
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
9

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\17_GIL\19119232_UPRR_Fig09_D_TZ.mxd PRINTED ON: 2023-04-05 AT: 12:46:16 PM

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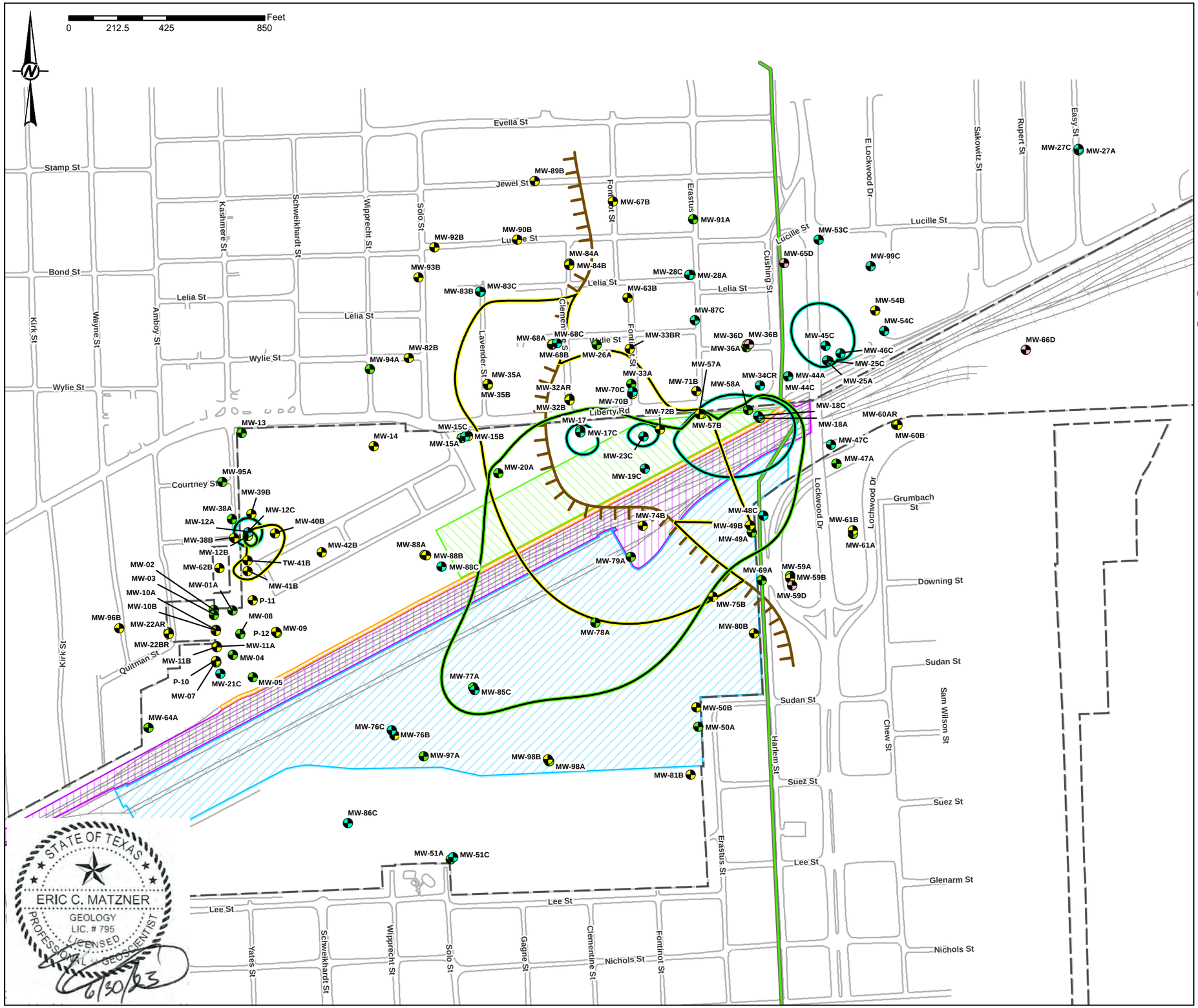

LEGEND

- 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)
- 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

NOTES

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).

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
CUMULATIVE GROUNDWATER PCLE ZONES - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-05-08
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
10

STATE OF TEXAS
ERIC C. MATZNER
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LIC. # 795
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6/30/23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\17_GL19119232_UPRR_Fig10_GW_PCLE.mxd PRINTED ON: 2023-05-08 AT: 11:37:08 AM

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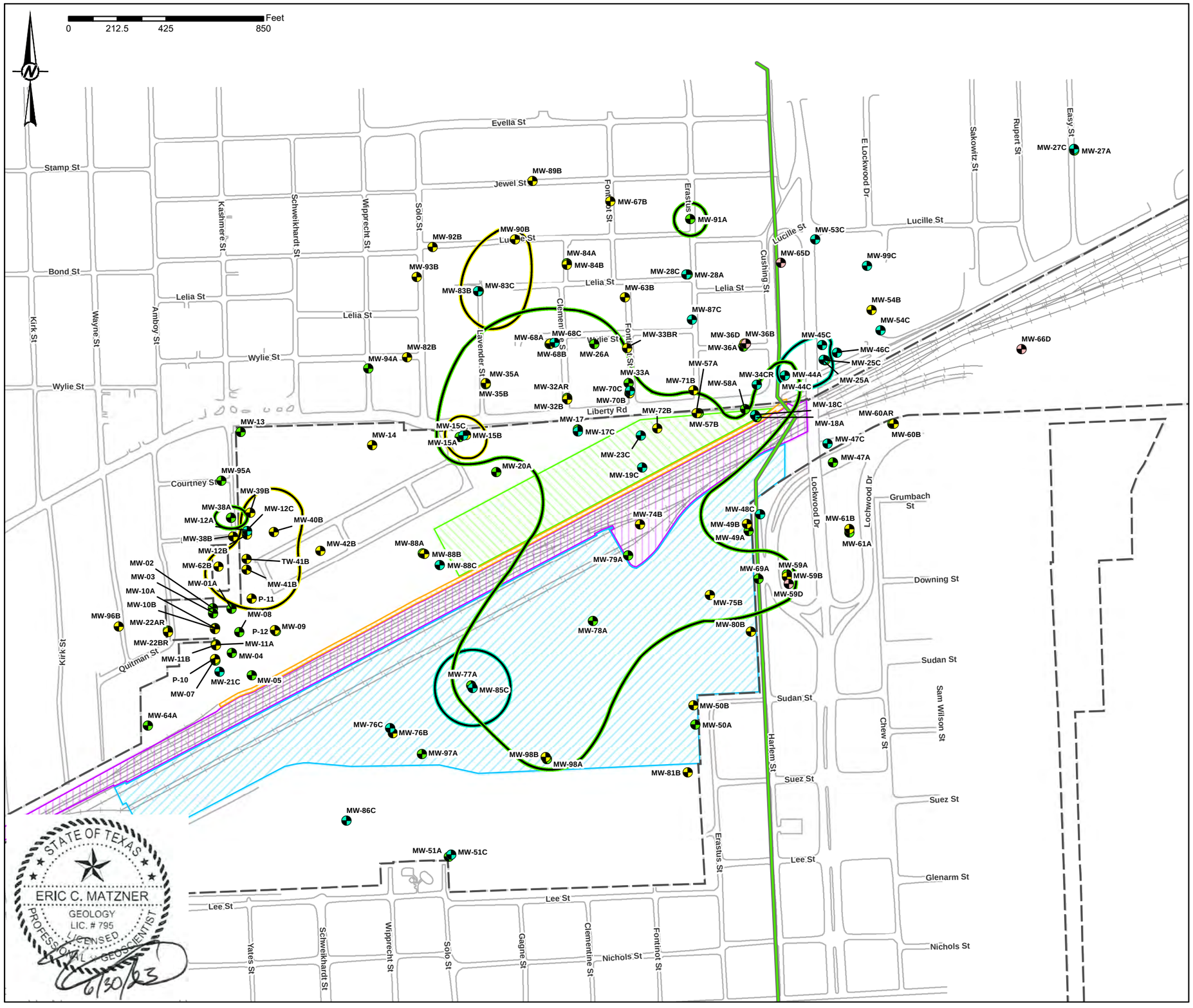

LEGEND

- 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)
- 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

NOTES

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).

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
ARSENIC PCLE ZONES - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-05
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PREPARED	-
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FIGURE
11

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230911\11x17_GL19119232_UPRR_Fig11_Arsenic_PCLE.mxd PRINTED ON: 2023-04-05 AT: 12:33:56 PM

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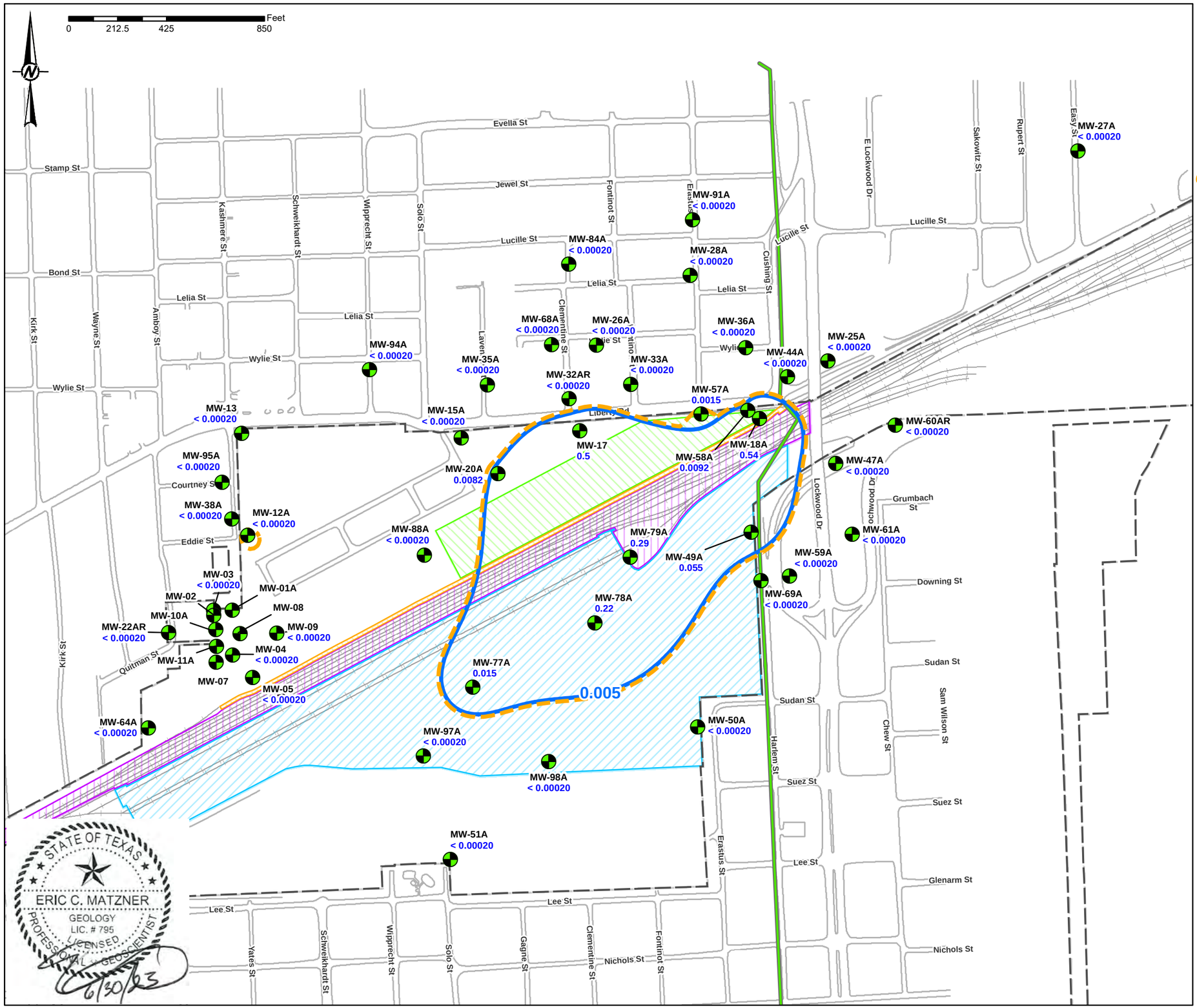

LEGEND

- 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

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - BENZENE - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
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REVIEWED	-
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FIGURE
12

STATE OF TEXAS
ERIC C. MATZNER
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LIC. # 795
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PROFESSIONAL GEOSCIENTIST
6/30/23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\11x17_GL\19119232_UPRR_Fig12_A_Benzene.mxd PRINTED ON: 2023-04-28 AT: 10:12:33 AM

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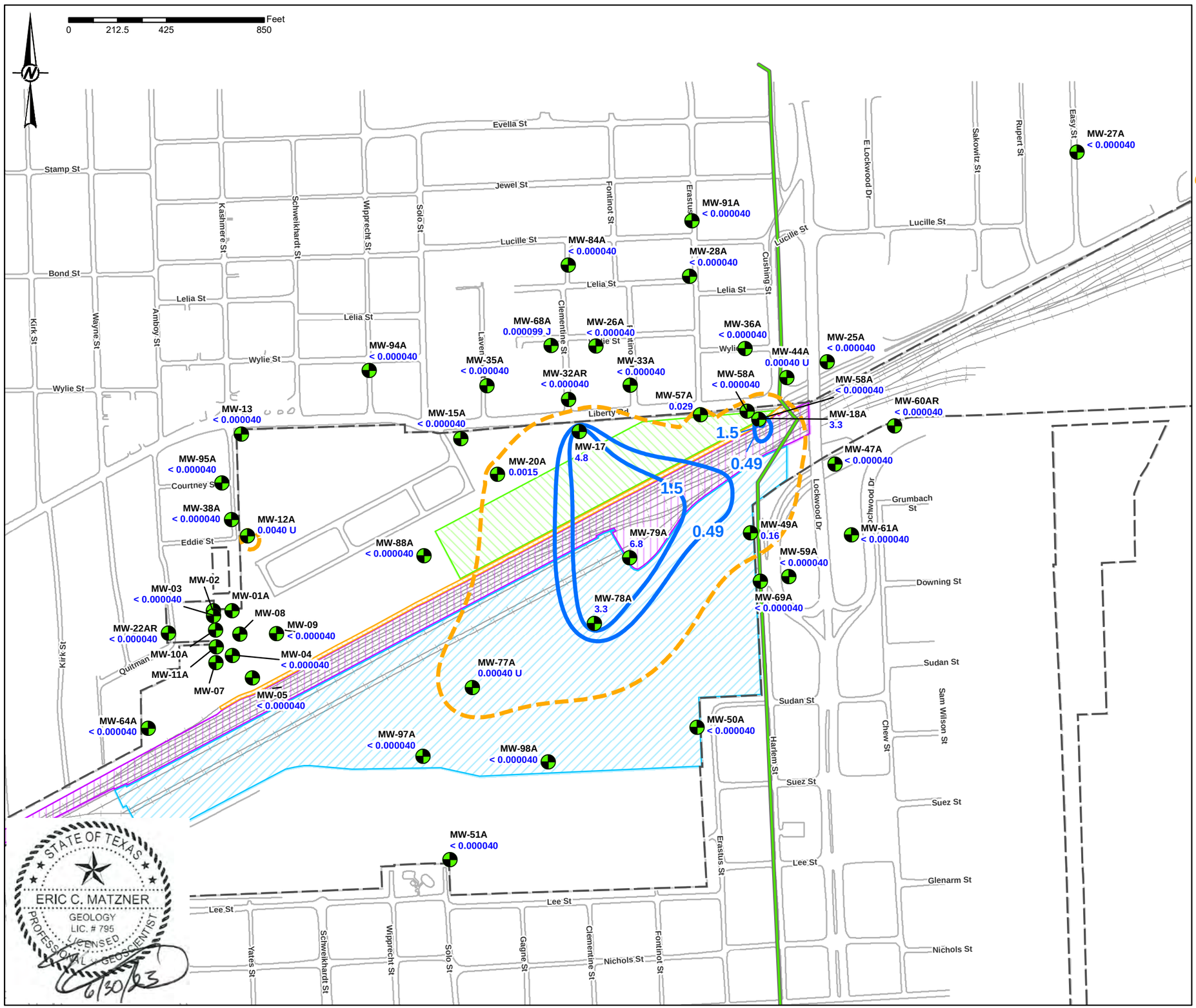

LEGEND

- 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)
- 2,4 - DIMETHYLPHENOL CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - 2,4-DIMETHYLPHENOL - JULY 2022

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED PROFESSIONAL GEOSCIENTIST
6/30/23

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

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FIGURE
13

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\11x17_GL\19119232_UPRR_Fig13_A_2_4_Dimethylphenol.mxd PRINTED ON: 2023-04-28 AT: 10:21:04 AM

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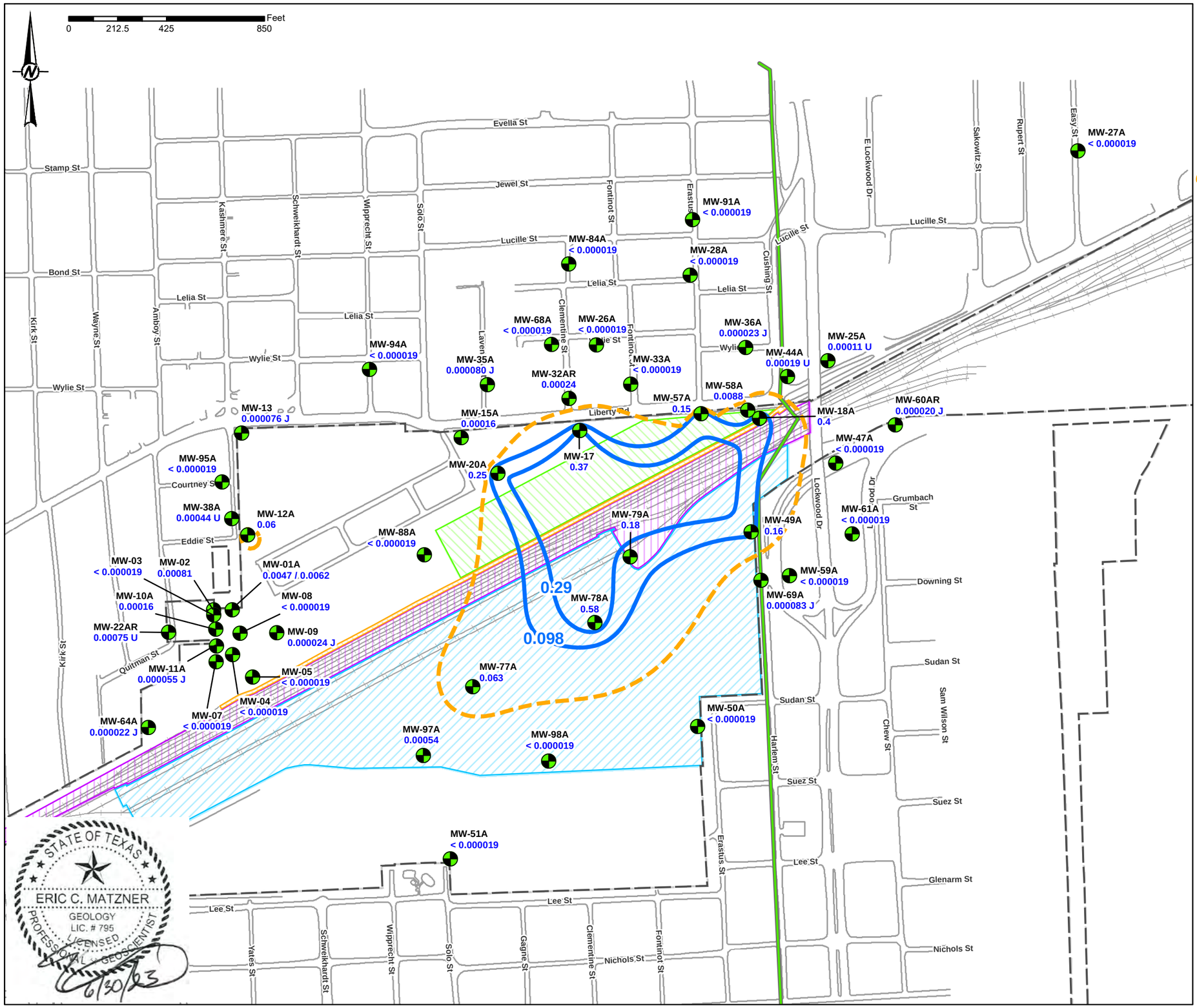

LEGEND

- 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)
- 2 - METHYLNAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - 2-METHYLNAPTHALENE - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
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FIGURE
14

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\17-GL-19119232_UPRR_Fig14_A_2_Methylnaphthalene.mxd PRINTED ON: 2023-04-28 AT: 10:26:04 AM

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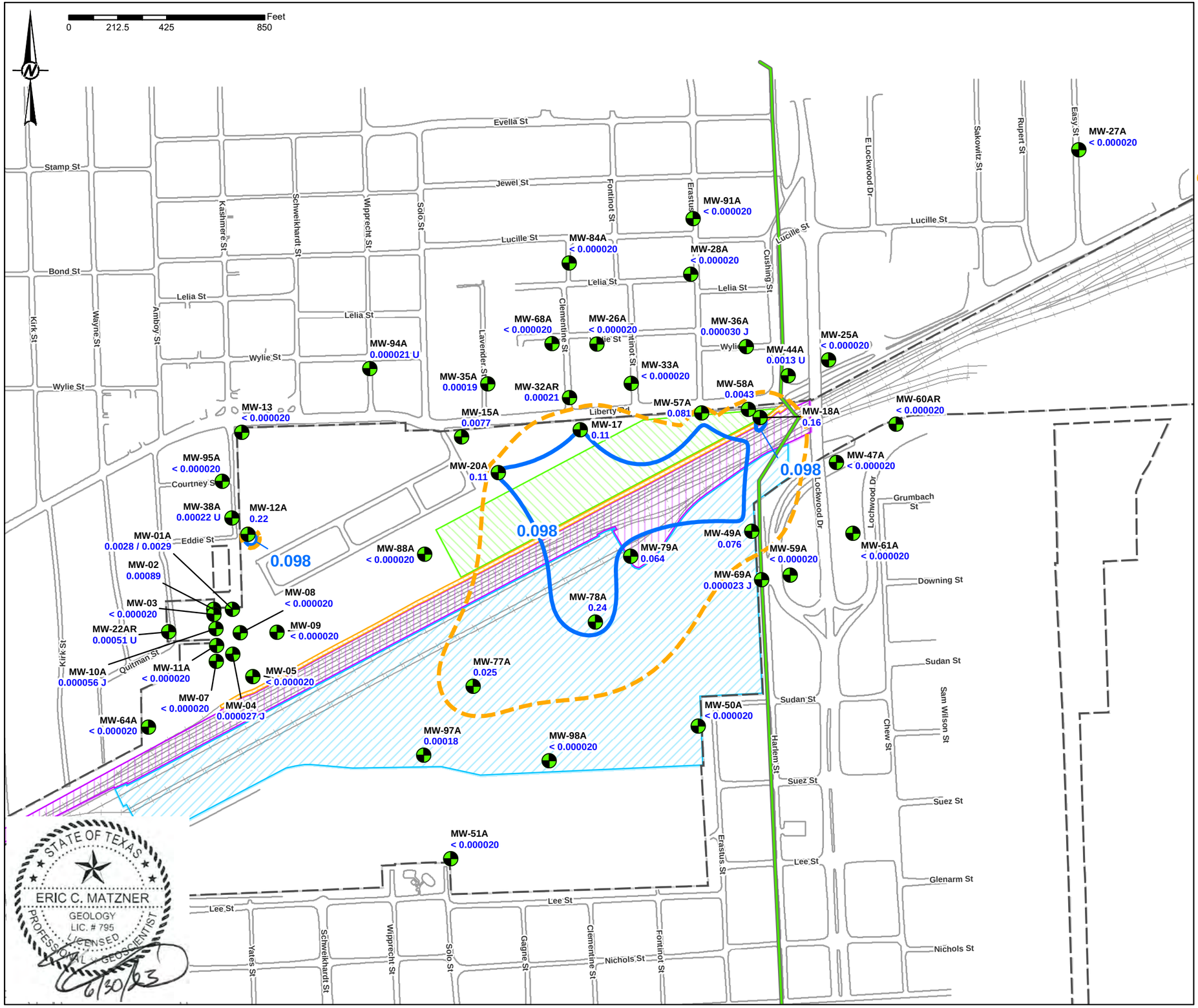

LEGEND

- 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)
- DIBENZOFURAN CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - DIBENZOFURAN - JULY 2022

STATE OF TEXAS
ERIC C. MATZNER
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PROFESSIONAL LICENSED GEOSCIENTIST
6/30/23

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Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
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FIGURE
15

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\x17_GIL19119232_UPRR_Fig15_A_Dibenzofuran.mxd PRINTED ON: 2023-04-28 AT: 10:31:19 AM

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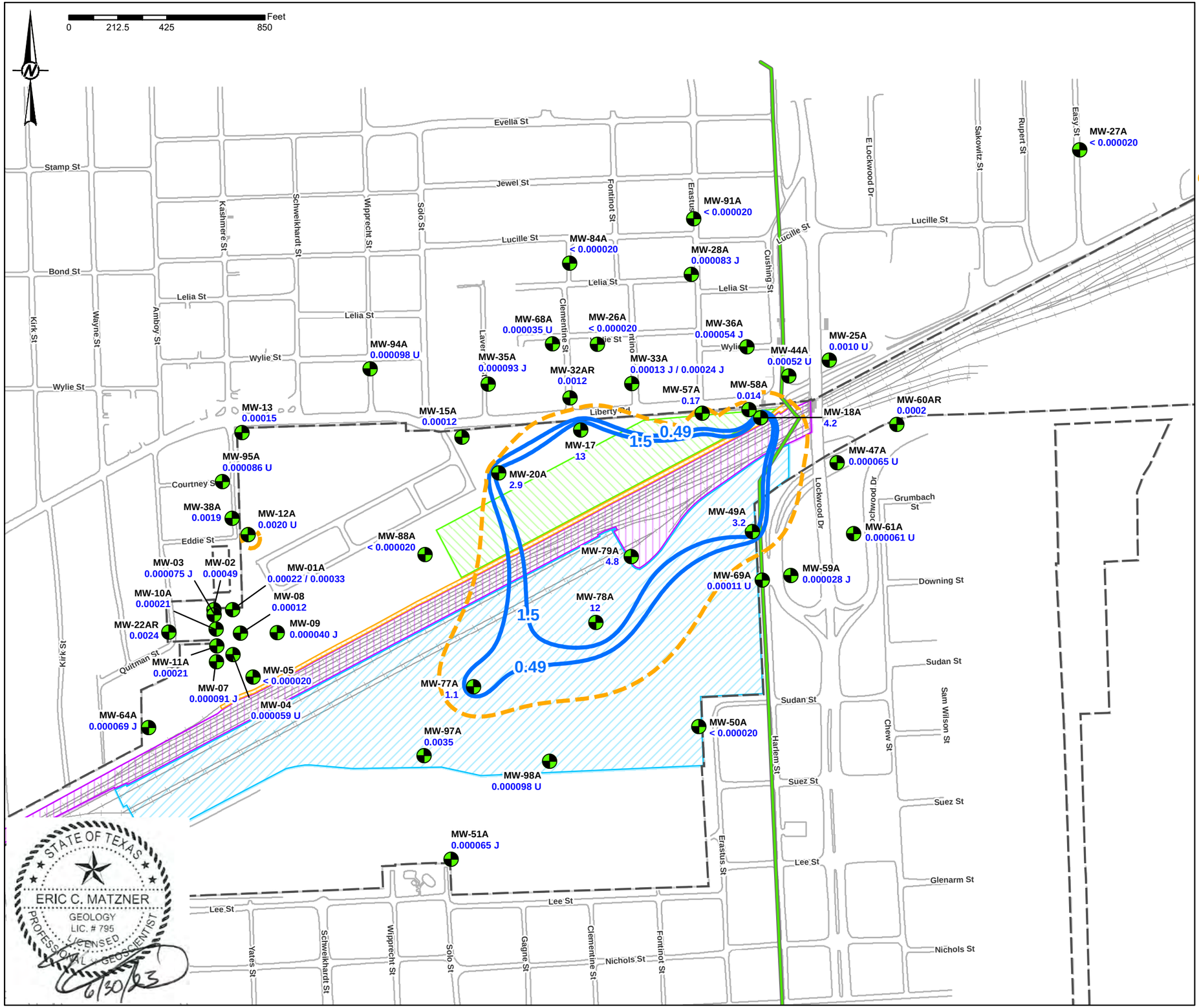

LEGEND

- 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)
- NAPTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - NAPTHALENE - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
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FIGURE
16

STATE OF TEXAS
ERIC C. MATZNER
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LIC. # 795
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PROFESSIONAL GEOSCIENTIST
6/30/23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\11x17_GL\19119232_UPRR_Fig16_A_Naphthalene.mxd PRINTED ON: 2023-04-28 AT: 10:39:40 AM

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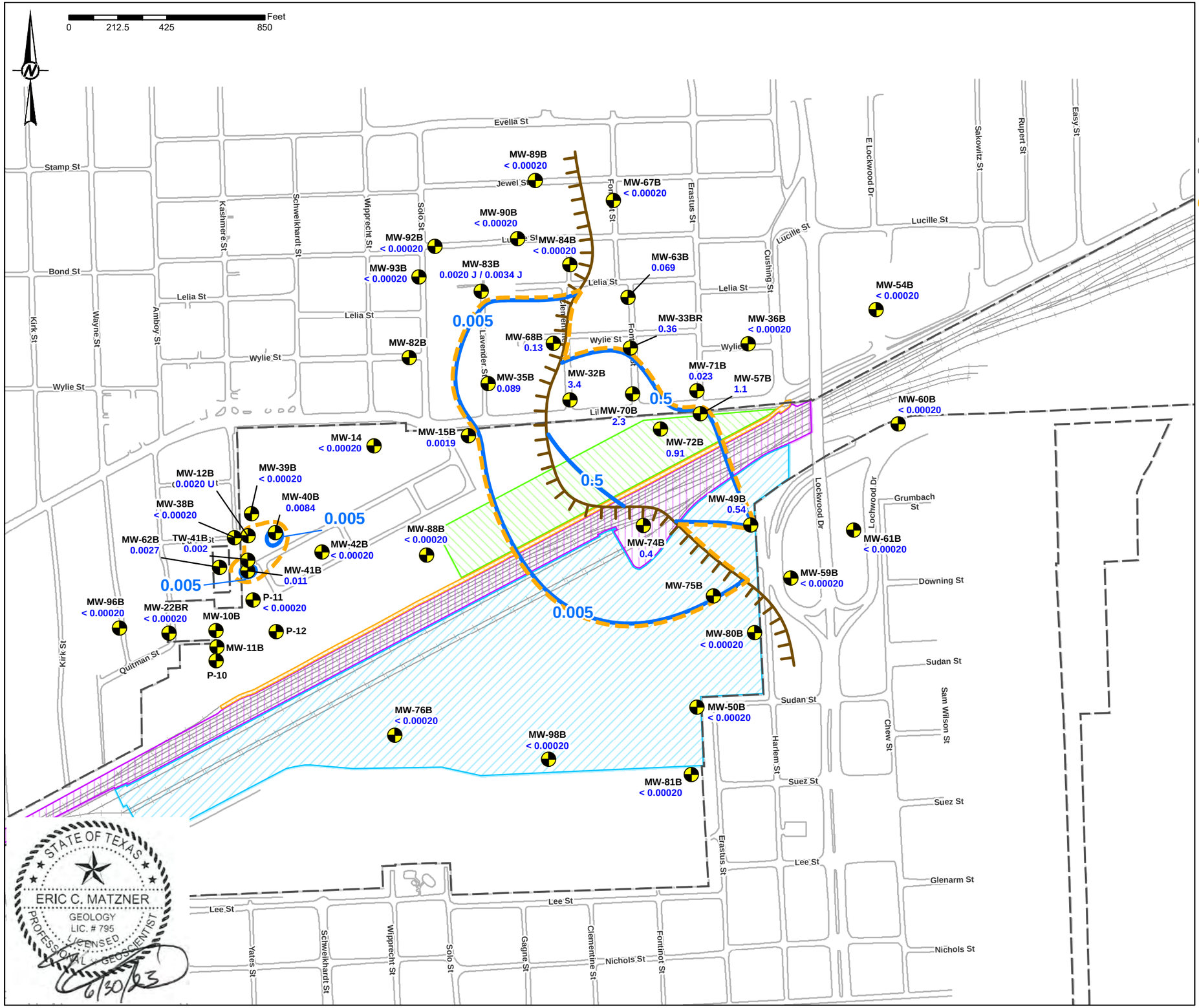

LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-TZ / B-CZ BOUNDARY (B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW))
- BENZENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

NOTES

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS 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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - BENZENE - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
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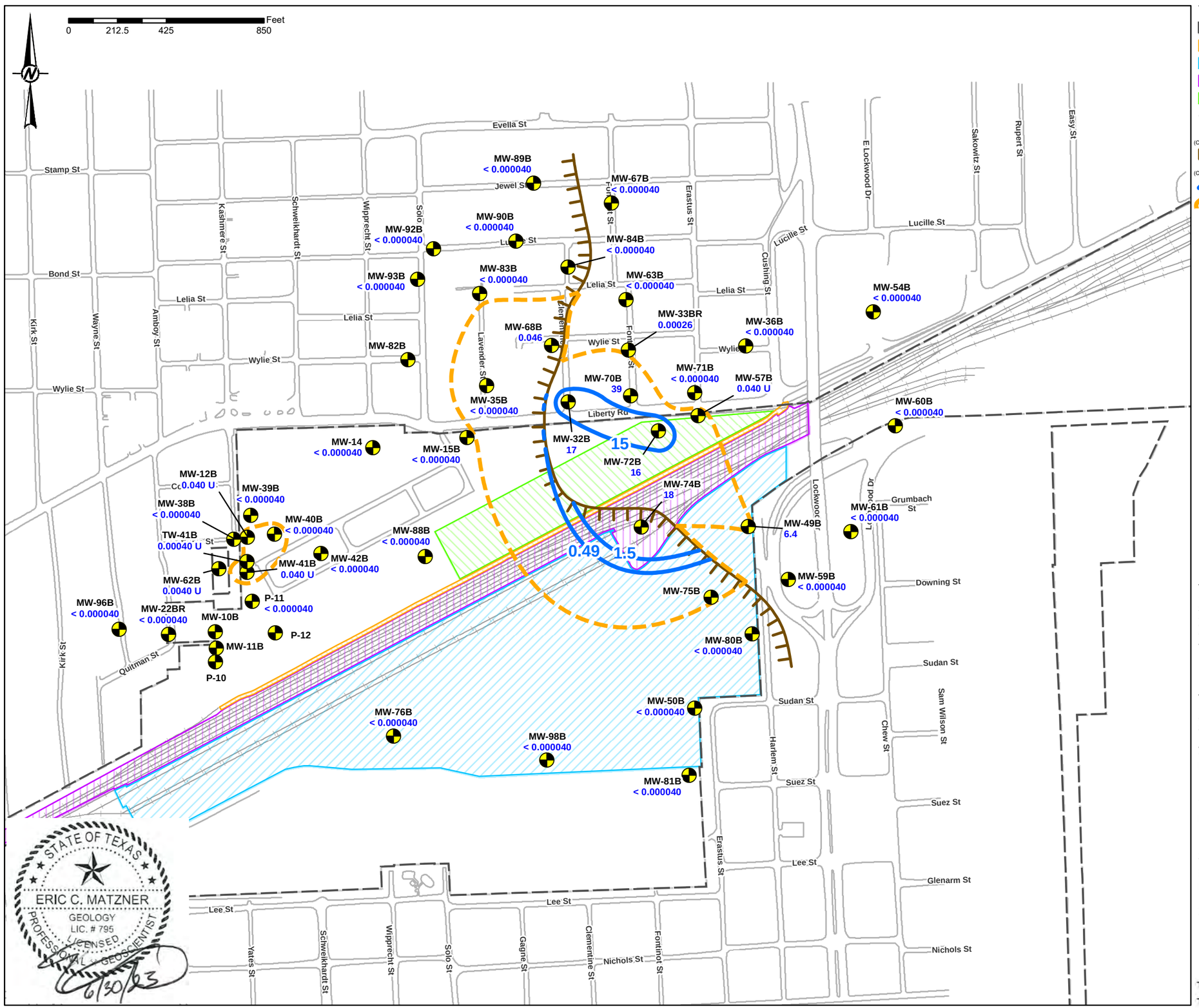
REVIEWED	-
APPROVED	-

FIGURE
17

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\r17_GL\19119232_UPRR_Fig17_B_Benzene.mxd PRINTED ON: 2023-04-28 AT: 10:49:32 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

NOTES

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS AT THE RAL AND C/I PCL:
   CLASS 2 GW PCL: 0.49 MG/L (RES.) & 1.5 MG/L (C/I)
   CLASS 3 BW PCL: 49 MG/L (RES.) & 150 MG/L (C/I)
4. ALL UNITS SHOWN IN MG/L.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - 2,4-DIMETHYLPHENOL - JULY 2022

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

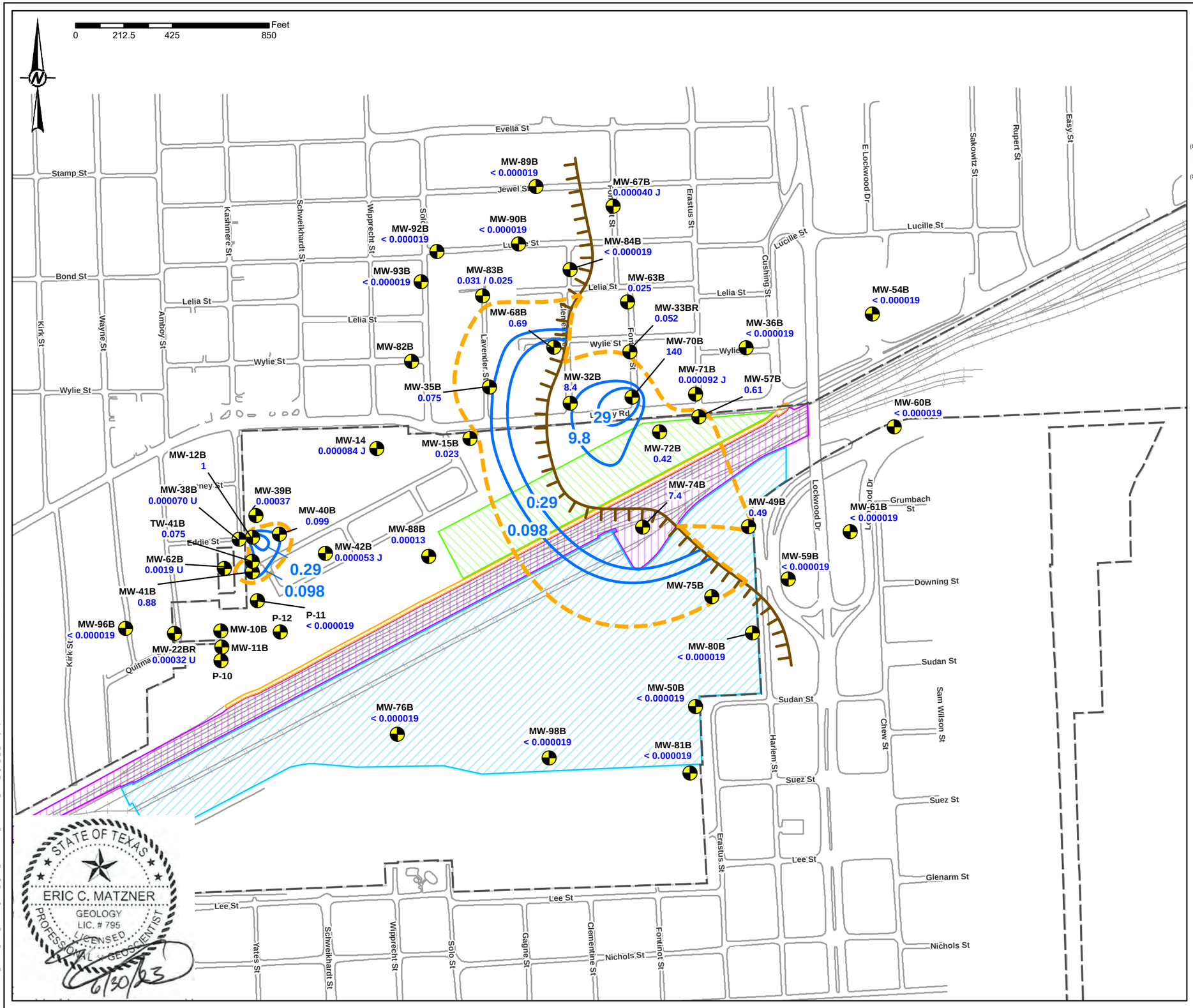
CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
18

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111x17_GIL\19119232_UPRR_Fig18_B_2_4_Dimethylphenol.mxd PRINTED ON: 2023-04-28 AT: 11:01:36 AM



STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

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
- B-TZ AND B-CZ MONITORING WELL LOCATION

NOTES

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS 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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - 2-METHYLNAPTHALENE - JULY 2022

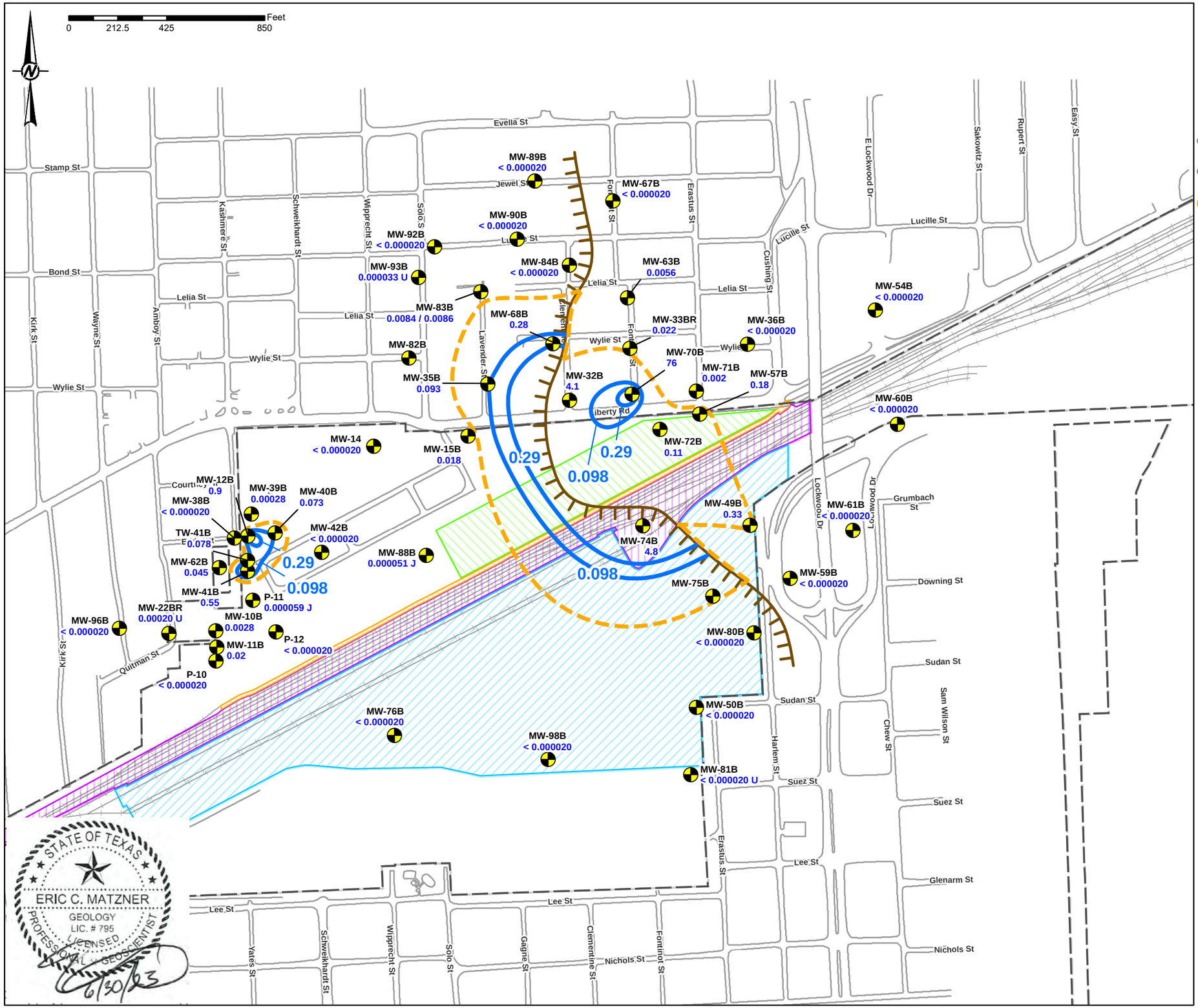
CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
19

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111x17_GIL\19119232_UPRR_Fig19_B_2_Methylnaphtalene.mxd PRINTED ON: 2023-04-28 AT: 11:04:14 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-TZ / B-CZ BOUNDARY (B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW))
- DIBENZOFURAN CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

NOTES

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS 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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - DIBENZOFURAN - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

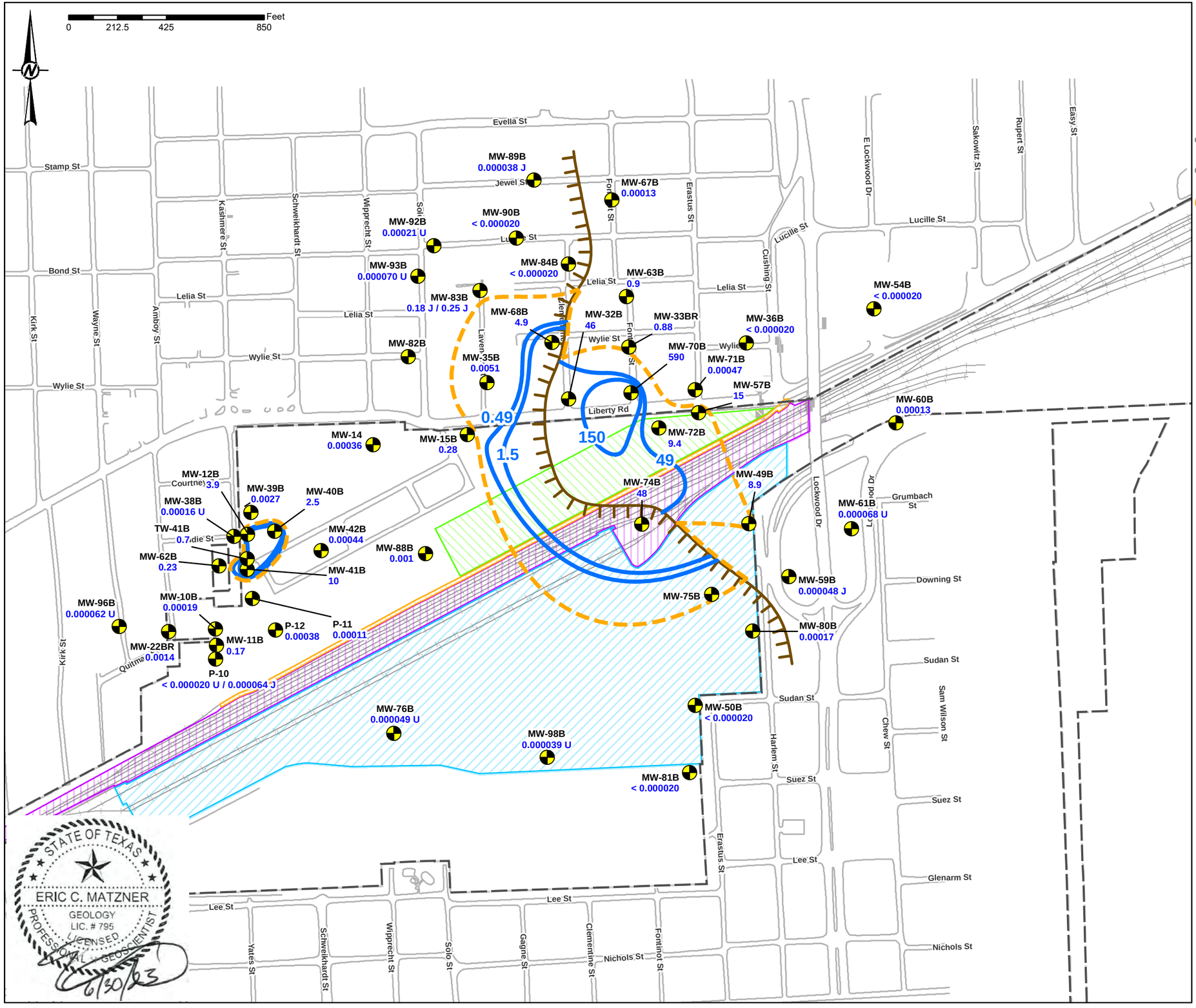
YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
20

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\r17_GU_19119232_UPRR_Fig20_B_Dibenzofuran.mxd PRINTED ON: 2023-04-28 AT: 11:10:30 AM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-TZ / B-CZ BOUNDARY (B-CZ (CLASS 3 GW) / B-TZ (CLASS 2 GW))
- NAPTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

NOTES

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL.
2. NS - NOT SAMPLED.
3. CONTOURS 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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - NAPTHALENE - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
21

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\v17_GL\19119232_UPRR_Fig21_B_Napthalene.mxd PRINTED ON: 2023-04-28 AT: 11:12:49 AM

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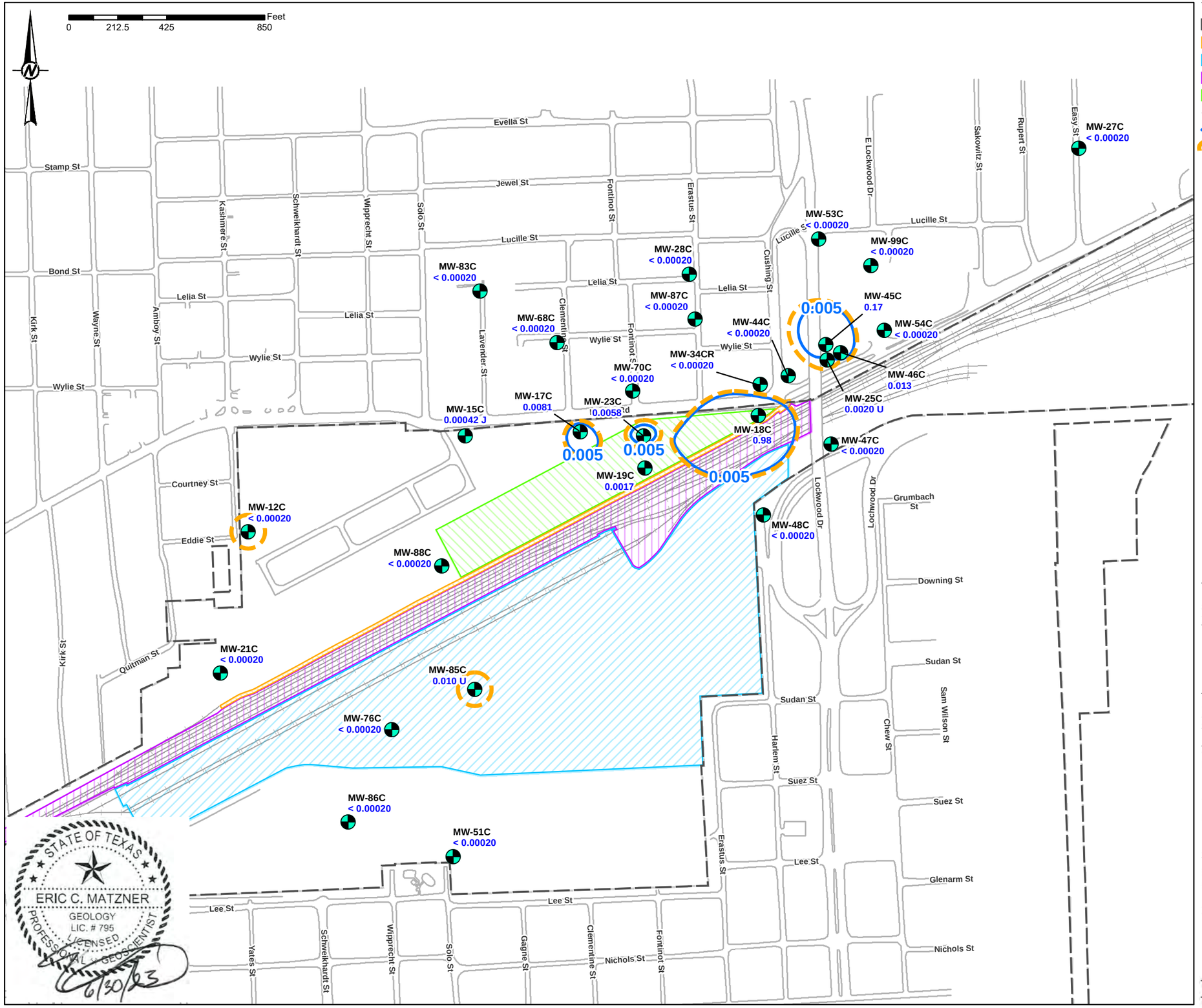

LEGEND

- 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

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - BENZENE - JULY 2022

CONSULTANT

wsp

Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-06-06
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
22

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\11x17_GL\19119232_UPRR_Fig22_C_Benzene.mxd PRINTED ON: 2023-06-06 AT: 3:23:49 PM

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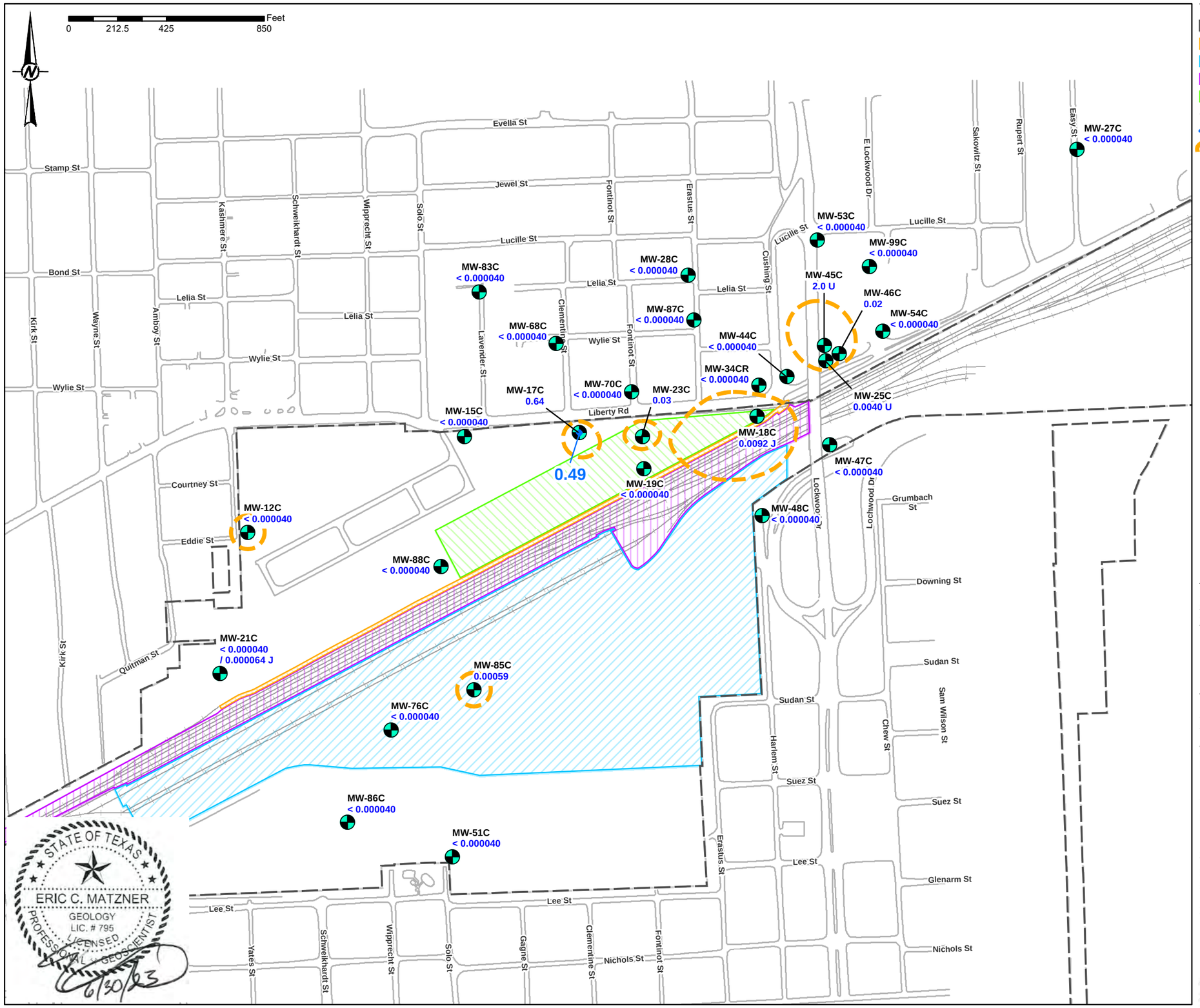


LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- 2,4 - DIMETHYLPHENOL CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
PROFESSIONAL LICENSED GEOSCIENTIST
6/30/23

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - 2,4-DIMETHYLPHENOL - JULY 2022

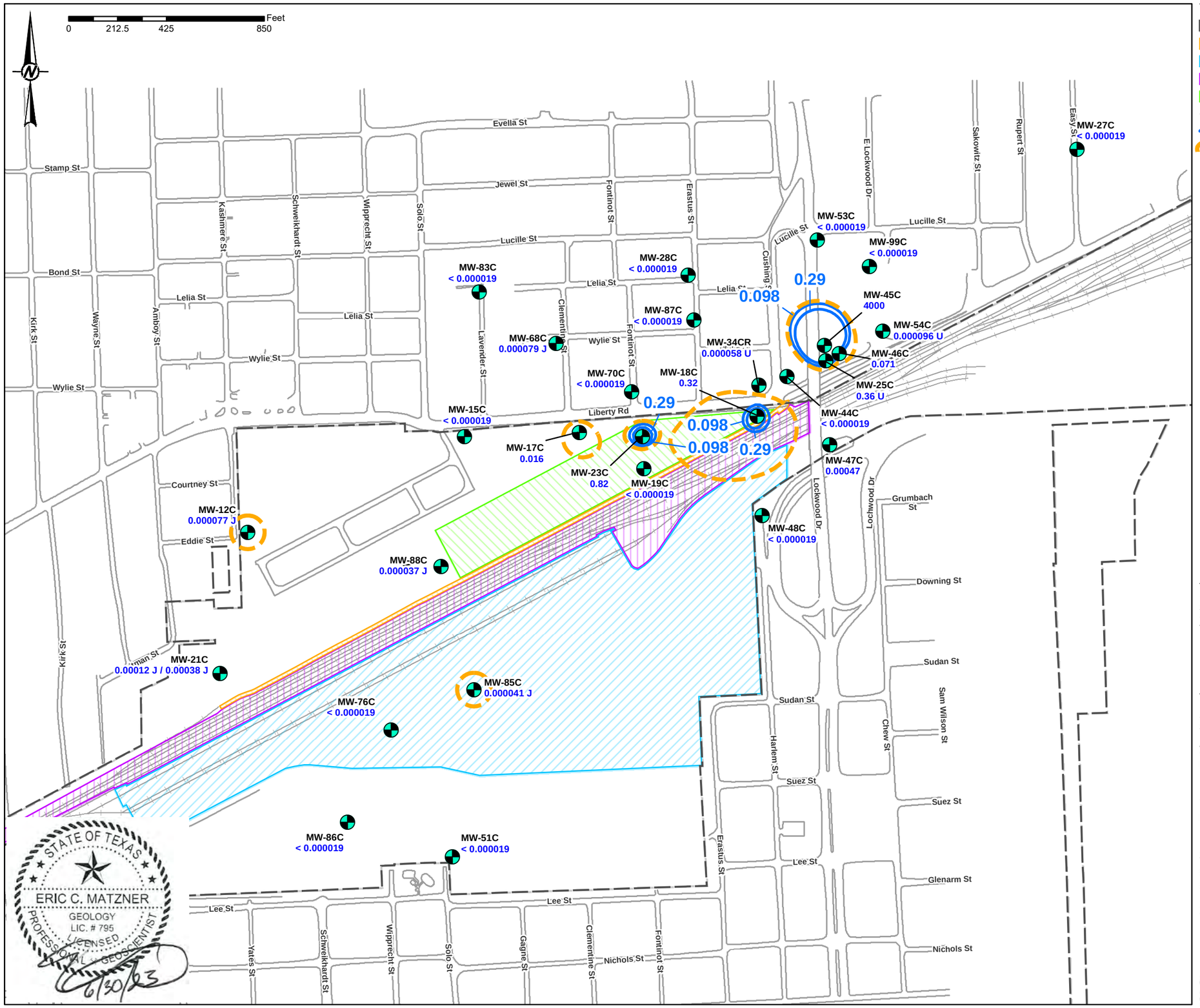
CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-05-08
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\17_GIL19119232_UPRR_Fig23_C_2_4_Dimethylphenol.mxd PRINTED ON: 2023-06-06 AT: 3:18:09 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



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

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT

UNION PACIFIC RAILROAD CO.

PROJECT

HOUSTON WOOD PRESERVING WORKS

TITLE

GROUNDWATER COC CONCENTRATION MAP
C-TZ - 2-METHYLNAPTHALENE - JULY 2022

CONSULTANT

wsp

Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-06-06
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE 24

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
PROFESSIONAL LICENSED GEOSCIENTIST
6/30/23

PATH:M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\17_GL\19119232_UPRR_Fig24_C_2_Methylnaphthalene.mxd PRINTED ON: 2023-06-06 AT: 3:19:03 PM

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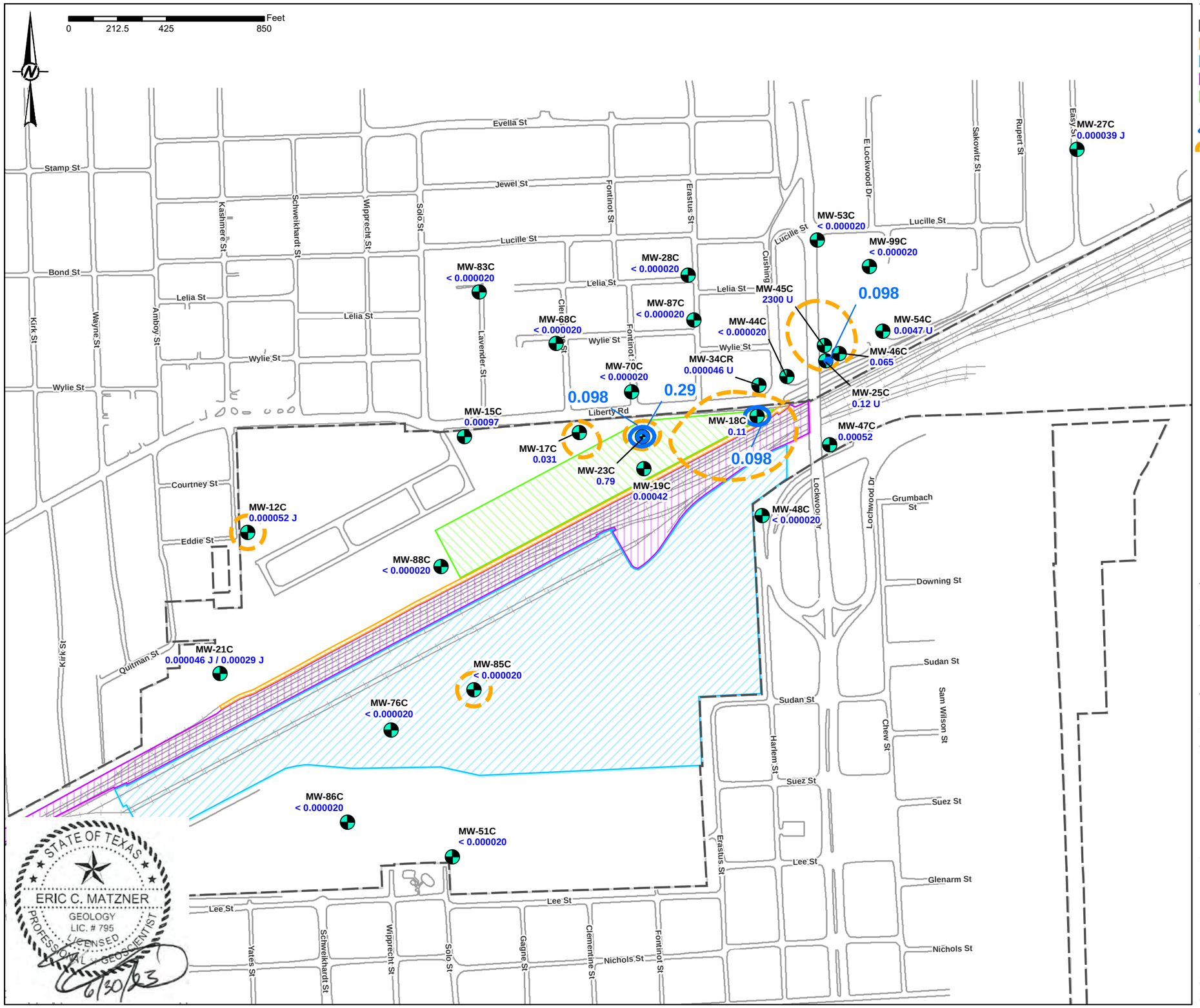

LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- DIBENZOFURAN CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
PROFESSIONAL LICENSED GEOSCIENTIST
6/30/23

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - DIBENZOFURAN - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-06-06
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
25

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\17_GIL19119232_UPRR_Fig25_C_Dibenzofuran.mxd PRINTED ON: 2023-06-06 AT: 3:18:33 PM

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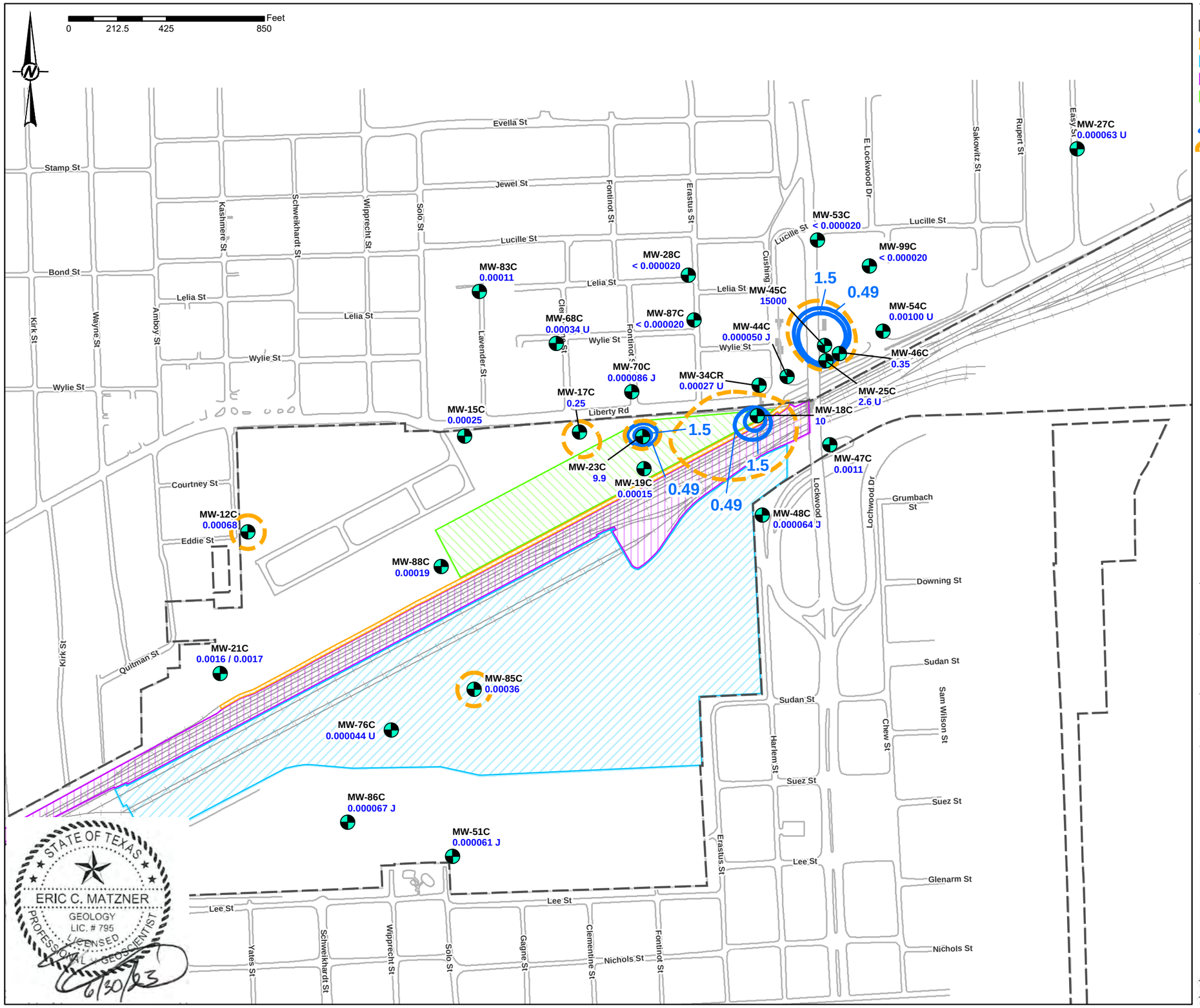


LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- NAPTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

NOTES

1. DNAPL - DENSE NON-AQUEOUS PHASE LIQUIDS DETECTED IN MONITORING WELL (JANUARY 2022).
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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - NAPTHALENE - JULY 2022

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

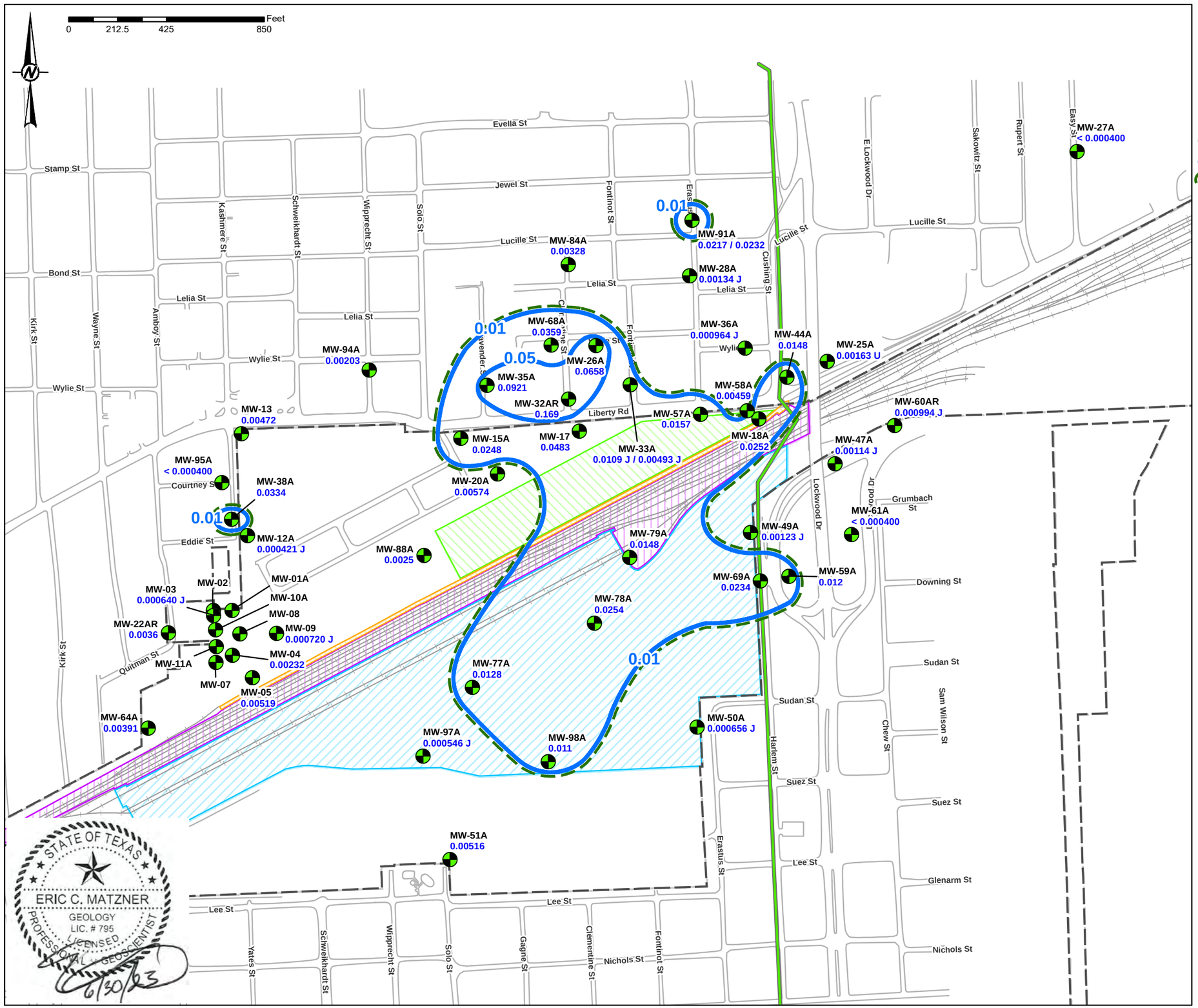
CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-06-06
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
26

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111\17-GL-19119232_UPRR_Fig26_C_Napthalene.mxd PRINTED ON: 2023-06-06 AT 3:17:13 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



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)
- ARSENIC CONCENTRATION CONTOUR
- CUMULATIVE ARSENIC PCLE ZONE
- A-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - ARSENIC - JULY 2022

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
27

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

PATH: M:\U\PRR_Houston - Wood_Preserving\COC_Figures_20230111\11x17_GL\19119232_UPRR_Fig27_A_Arsenic.mxd PRINTED ON: 2023-04-28 AT: 12:18:03 PM

Feet
0 212.5 425 850

MW-89B 0.000693 J
MW-90B 0.0129
MW-92B 0.00408
MW-93B 0.00158 J
MW-83B 0.0165 J / 0.0358 J
MW-82B
MW-35B 0.00379
MW-68B 0.00957
MW-67B 0.000814 J
MW-84B 0.00146 J
MW-63B 0.00985
MW-33BR 0.000904 J
MW-32B 0.00186 J
MW-70B 0.00222
MW-71B 0.00138 J
MW-36B 0.000881 J / 0.000865 J
MW-54B < 0.000400
MW-60B 0.000707 J
MW-57B 0.00142 J
MW-14 0.000633 J
MW-15B 0.0134
MW-72B 0.00312
MW-74B 0.00284
MW-39B 0.0134
MW-12B 0.0388
MW-38B 0.00692
TW-41B 0.0969
MW-40B 0.0499
MW-42B 0.00137 J
MW-88B 0.00102 J
MW-62B 0.0418
MW-41B 0.056
P-11 0.0444
MW-10B
MW-11B
P-12
P-10
MW-22BR 0.00357
MW-96B < 0.000400
MW-49B 0.00798
MW-61B < 0.000400
MW-59B 0.0147
MW-75B
MW-80B 0.00139 J
MW-50B 0.00165 J
MW-76B < 0.000400
MW-98B 0.00128 J
MW-81B 0.000454 J
0.01
0.05
0.01
0.01

Evella St, Stamp St, Jewel St, Bond St, Lelia St, Wylie St, Liberty Rd, Lucille St, Sudan St, Suez St, Lee St, Nichols St, Downing St, Grumbach St, Quitman St, Eddie St, Court St, Fort St, Erastus St, Lavender St, Jewel Ln, Kashmere St, Schwekhardt St, Wipprecht St, Solo St, Kirk St, Wayne St, Amboy St, E Lockwood Dr, Lockwood Dr, Cushing St, Sakowitz St, Rupert St, Easy St, Harlem St, Chew St, Sam Wilson St, Yates St, Gagne St, Clementine St, Fontinot St

LEGEND
- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- B-TZ / B-CZ BOUNDARY (B-CZ (CLASS 3 GW); B-TZ (CLASS 2 GW))
- ARSENIC CONCENTRATION CONTOUR
- CUMULATIVE ARSENIC PCLE ZONE
- B-TZ AND B-CZ MONITORING WELL LOCATION

NOTES
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. CONTOURS AT THE RAL AND C/I PCL:
CLASS 2 GW PCL: 0.01 MG/L
CLASS 3 GW PCL: 1 MG/L

REFERENCES
1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.

STATE OF TEXAS
ERIC C. MATZNER
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LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - ARSENIC - JULY 2022

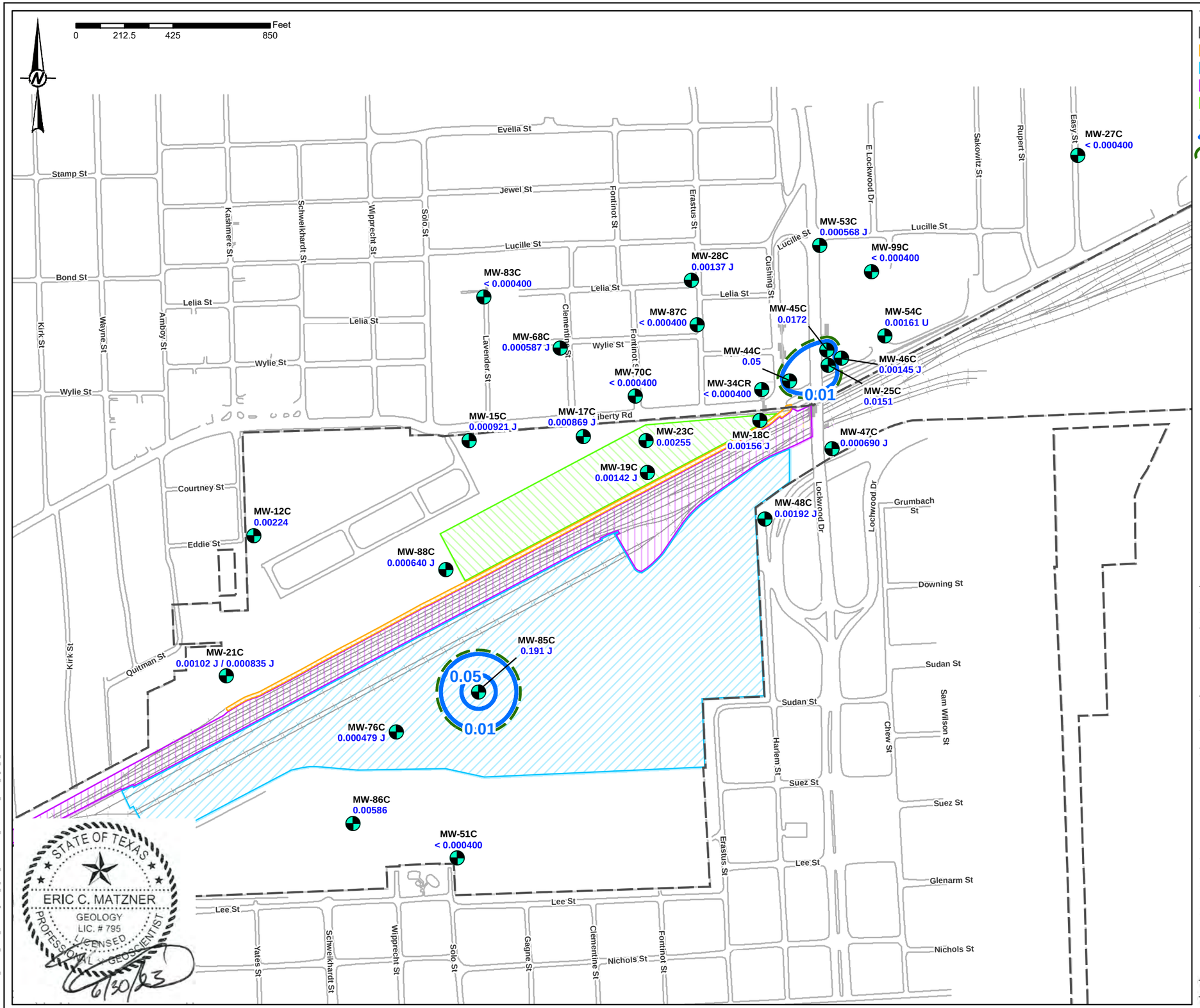
CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-28
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111x17_GIL\19119232_UPRR_Fig28_B_Arsenic.mxd PRINTED ON: 2023-04-28 AT: 12:19:53 PM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- ARSENIC CONCENTRATION CONTOUR
- CUMULATIVE ARSENIC PCLE ZONE
- C-TZ MONITORING WELL LOCATION

NOTES

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.

REFERENCES

1. COORDINATE SYSTEM: NAD 27 STATE PLANE COORDINATE SYSTEM TEXAS SOUTH CENTRAL USFT.
2.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - ARSENIC - JULY 2022

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
6/30/23

CONSULTANT
wsp
Texas Geoscience Firm No. 50649
Texas Engineering Firm No. 22771

YYYY-MM-DD	2023-04-14
DESIGNED	-
PREPARED	-
REVIEWED	-
APPROVED	-

FIGURE
29

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20230111x17_GIL\9118232_UPRR_Fig29_C_Arsenic.mxd PRINTED ON: 2023-04-28 AT: 12:21:35 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

ATTACHMENT A

Groundwater Sampling Field Records

WATER LEVEL MONITORING RECORD

DATE: 7-7-22

Project No. 19119232 | Project Name: UPRR - HWPW SITE WIDE | PAGE ___ of ___

Weather Conditions: SUNNY, 98°

Measuring Device: SOLINST | Measuring Point (MP): TOC/PVC

Observations/Comments:

Well ID	Time	Depth to Product (ft. BMP)	Depth to Water (feet BMP)		TD (ft)	Remarks	Measured By
			Primary Reading	Check Reading			
MW34CR		—	19.27	19.27	67.50		JTB
[redacted]			[redacted]	[redacted]	[redacted]	[redacted]	
MW41B			[redacted]	[redacted]	[redacted]	[redacted]	
MW54C			17.61	17.61	72.05		
MW2SA			7.81	7.81	28.80		
MW2SC			17.52	17.52	74.05		
MW44A			10.07	10.07	28.05		
MW45C		—	17.98	17.98	70.45		
MW38A			6.11	6.11	37.60		
MW38B			5.32	5.32	33.75		
MW22BR			5.23	5.23	37.80		
MW22AR			6.22	6.22	20.05		
MW94A			5.46	5.46	21.60		
MW93B			6.33	6.33	33.90		
MW92B			7.28	7.28	34.60		
MW84B			8.07	8.07	40.20		
MW84A			6.92	6.92	23.80		
MW87C			17.52	17.52	65.05		
MW36A			9.12	9.12	27.35		
MW91A			8.24	8.24	24.50		
MW67B			11.02	11.02	39.50		
MW90B			7.34	7.34	35.35		
MW36D			82.62	82.62	110.10		
MW66D			82.79	82.79	115.70		
MW59D			80.66	80.66	117.80		
MW65D			83.27	83.27	112.20		
MW82B			—	—		COVERED BY CAR	
MW75B			—	—		COVERED BY STORAGE CONTAINER	

Notes: 1) use a single reference point for all depth to water measurements; 2) complete at least two depth to measurements that agree within 0.01 ft.

Unless otherwise noted, water level measurements were made in accordance with applicable requirements of Golder's Quality Asssurance Program and Standard Operating Procedure 2 (Static Water Level Measurement).

Measured By:

Checked By:

GOLDER
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
(512) 671-3434 Fax (512) 671-3446

WATER LEVEL MONITORING RECORD

DATE: 7-6-22

Project No. 19119232 | Project Name: UPRR - HWPW | PAGE 1 of ____

Weather Conditions: SUNNY, 95°

Measuring Device: SOLINST | Measuring Point (MP): TOC/PVC

Observations/Comments:

Well ID	Time	Depth to Product (ft. BMP)	Depth to Water (feet BMP)		TD (ft)	Remarks	Measured By
			Primary Reading	Check Reading			
MW20A			9.94	9.94	28.20		JB
MW14			10.16	10.16	44.80		
MW40B			8.92	8.92	42.55		
MW42B			8.63	8.63	43.50		
MW13			10.86	10.86	26.15		
MW39B			8.53	8.53	41.45		
MW15B			10.84	10.84	40.65		
MW15C			24.67	24.67	74.70		
MW15A			10.27	10.27	30.60		
MW88C			26.12	26.12	75.80		
MW18C			24.91	24.91	61.80		
MW18A			16.62	16.62	35.95		
MW58A			12.08	12.08	28.60		
MW57A			13.88	13.88	25.95		
MW57B			15.06	15.06	42.85		
MW19C			26.88	26.88	75.15		
MW72B			16.47	16.47	40.25		
MW23C		—	27.87	27.87	76.20		
MW17			12.09	12.09	32.85		
MW17C			24.34	24.34	52.80		
MW88A			8.57	8.57	25.45		
MW88B			8.73	8.73	44.15		
MW12C			26.42	26.42	75.55		
MW12A			8.91	8.91	30.35		
MW2B		—	6.89	6.89	44.00	TOP OF PUMP	
TW41B			8.58	8.58	42.25		
MW41B		—	6.54	6.54	42.80	TOP OF PUMP	
MW62B			7.58	7.58	35.40		
P11			7.71	7.71	42.80		
MW05			7.22	7.22	27.30		
MW64A			7.39	7.39	22.20		

Notes: 1) use a single reference point for all depth to water measurements; 2) complete at least two depth to measurements that agree within 0.01 ft.

Unless otherwise noted, water level measurements were made in accordance with applicable requirements of Golder's Quality Asssurance Program and Standard Operating Procedure 2 (Static Water Level Measurement).

Measured By: JB

Checked By:

GOLDER
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
(512) 671-3434 Fax (512) 671-3446

WATER LEVEL MONITORING RECORD

DATE: 7-6-22

Project No. 19119232 | Project Name: UPRR - HWPW | PAGE 2 of ____

Weather Conditions: SUNNY, 100°

Measuring Device: SOLINST | Measuring Point (MP): TOC/PVC

Observations/Comments:

Well ID	Time	Depth to Product (ft. BMP)	Depth to Water (feet BMP)		TD (ft)	Remarks	Measured By
			Primary Reading	Check Reading			
MW09			7.06	7.06	25.40		JTB
MW03			6.72	6.72	18.90		
MW04			6.87	6.87	21.40		
MW78A			9.14	9.14	24.90		
MW85C			23.87	23.87	69.90		
MW77A			6.98	6.98	22.80		
MW76B			5.13	5.13	35.30		
MW76C			22.54	22.54	70.30		
MW97A			5.61	5.61	19.90		
MW98A			7.56	7.56	20.40		
MW98B			8.11	8.11	39.85		
MW81B			6.53	6.53	33.90		
MW51C			21.41	21.41	72.80		
MW51A			8.17	8.17	24.90		
MW50B			9.12	9.12	37.60		
MW50A			6.58	6.58	24.80		
MW80B			10.33	10.33	34.70		
MW86C			21.37	21.37	69.80		
MW79A			9.58	9.58	26.10		
MW-74B			8.23	8.23	35.05		
MW60AR			8.04	8.04	29.40		
MW60B			9.52	9.52	39.50		
MW59B			8.72	8.72	32.90		
MW59A			8.86	8.86	21.10		
MW48C			18.38	18.38	72.50		
MW49B			8.64	8.64	28.35		
MW49A			10.29	10.29	30.20		
MW66A			11.06	11.06	18.05		
MW21C			25.33	25.33	74.60		
MW27C			18.96	18.96	73.60		
MW27A			9.61	9.61	29.85		

Notes: 1) use a single reference point for all depth to water measurements; 2) complete at least two depth to measurements that agree within 0.01 ft.

Unless otherwise noted, water level measurements were made in accordance with applicable requirements of Golder's Quality Asssurance Program and Standard Operating Procedure 2 (Static Water Level Measurement).

Measured By:

Checked By:

GOLDER
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
(512) 671-3434 Fax (512) 671-3446

WATER LEVEL MONITORING RECORD

DATE: 7-6-22

Project No. 19119232 | Project Name: UPPR- HWPW SITEWIDE | PAGE ___ of ___

Weather Conditions: SUNNY, 95°

Measuring Device: SOLINST | Measuring Point (MP): TOC/PVC

Observations/Comments:

Well ID	Time	Depth to Product (ft. BMP)	Depth to Water (feet BMP)		TD (ft)	Remarks	Measured By
			Primary Reading	Check Reading			
MW99C			17.12	17.12	68.05		VTB
MW54B			15.74	15.74	40.20		
MW68A			6.71	6.71	22.75		
MW68B			6.68	6.68	37.30		
MW68C			18.57	18.57	67.55		
MW33BR		—	6.81	6.81	38.00		
MW26A			7.13	7.13	19.90		
MW83C			18.51	18.51	67.90		
MW83B			7.42	7.42	35.30		
MW35B			6.22	6.22	42.95		
MW35A			5.98	5.98	28.25		
MW28C			17.21	17.21	87.30		
MW28A			7.76	7.76	25.60		
MW89B			8.67	8.67	40.80		
MW53C			18.04	18.04	71.05		
MW46C			18.13	18.13	72.30		
MW44C			18.19	18.19	47.80		
MW36B			7.67	7.67	~~42.85~~	42.85	
MW71B			1.93	1.93	36.60		
MW63B			7.04	7.04	36.25		
MW33A			6.97	6.97	25.20		
MW70C			18.77	18.77	66.70		
MW70B			7.27	7.27	35.30		
MW32AR			6.49	6.49	18.10		
MW32B		35.31	6.26	6.26	36.05		
MW96B			3.52	3.52	35.50		
MW95A			3.42	3.42	25.05		
MW61B			3.64	3.64	33.10		
MW61A			5.66	5.66	21.30		
MW47C			18.73	18.73	68.85		
MW47A			9.37	9.37	25.05		

Notes: 1) use a single reference point for all depth to water measurements; 2) complete at least two depth to measurements that agree within 0.01 ft.

Unless otherwise noted, water level measurements were made in accordance with applicable requirements of Golder's Quality Asssurance Program and Standard Operating Procedure 2 (Static Water Level Measurement).

Measured By: JMC

Checked By:

GOLDER
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
(512) 671-3434 Fax (512) 671-3446

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.26 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	6.26 ft. BGL
MW ID	MW32B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW32B-20220721	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1526									
1536	.2	/	6.42	22.49	6.51	1290	0.76	-107	31.7
1541	.1	/	6.45	22.56	6.57	1340	0.58	-111	21.9
1546	.1	/	6.46	22.59	6.58	1360	0.59	-110	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)
1600	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1600	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C
name

signature

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.49 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	6.49 ft. BGL
MW ID	MW32AR	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW32AR-20220721	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
1439									
1449	.2	1	6.71	22.84	6.67	1810	0.39	-46	21.9
1454	.1	1	6.74	22.91	6.72	1770	0.42	-49	20.7
1459	.1	1	6.75	22.93	6.73	1760	0.43	-46	20.7

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)
1510	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1510	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.27 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	— ft.
Date	7-21-22	**Reference Point**	☒ Top of casing	**Depth to Water**	7.27 ft. BGL
MW ID	MW70B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW70B-20220721	**Water Quality**	/	**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROY FMCH	**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
1352									
1402	.2		7.42	23.06	6.81	1990	1.67	-6	26.7
1407			7.46	23.12	6.74	2030	1.46	-7	31.3
1412			7.47	23.16	6.73	2050	1.49	-7	31.6
						PRODUCT DROPLETS IN PURGE WATER			
						PRODUCT ON TOP OF ~~BUFFER~~ WATER IN SAMPLE BOTTLES			

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	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1425	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.77 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	18.77 ft. BGL
MW ID	MW70C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW70C-20220721	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1307									
1317	.2	/	18.93	22.59	6.81	1870	0.72	-39	8.1
1322	/	/	18.94	22.67	6.86	1840	0.59	-46	6.3
1327	.6	/	18.94	22.71	6.87	1830	0.61	-49	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)
1335	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1335	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C
name

signature

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.97 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	6.97 ft. BGL
MW ID	MW33A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW33A-20220721	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROPFMCH	Pump Intake Depth	1 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
1217									
1227	.2	1	7.21	22.41	6.50	1560	1.41	-18	3.6
1232	"	1	7.24	22.56	6.40	1590	1.29	-26	3.1
1237	"	1	7.27	22.56	6.44	1590	1.26	-28	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)
1250	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1250	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FD04-20220721
1250 - Dup sample time

Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.04	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	7.04	ft. BGL
MW ID	MW63B	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW63B-20220721	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume		gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	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
1016									
1026	.2	1	7.31	22.66	6.71	1670	0.56	-41	7.2
1031	1	1	7.34	22.66	6.74	1610	0.47	-46	4.7
1036	1	1	7.35	22.69	6.76	1620	0.49	-47	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)
1050	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1050	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	1.93	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	1.93	ft. BGL
MW ID	MW71B	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW71B-20220721	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume		gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
0923									
0933	.2	1	2.46	22.86	6.56	2090	1.79	-12	27.4
0938	.1	1	2.49	22.76	6.59	2130	1.61	-12	26.9
0943	.1	1	2.52	22.77	6.56	2140	1.62	-13	26.9

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)
0955	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0955	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.67	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	7.67	ft. BGL
MW ID	MW36B	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW36B-20220721	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
0816									
0826	.2	1	7.79	22.47	6.67	1470	0.96	-77	4.6
0831	1	1	7.82	22.67	6.59	1460	0.77	-79	4.1
0836	1	1	7.83	22.63	6.56	1460	0.76	-79	4.4

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)
0855	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0855	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FD03-20220721
0855 sample time

Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.19 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-21-22	Reference Point	☒ Top of casing	Depth to Water	18.19 ft. BGL
MW ID	MW44C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW44C-20220721	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
0726									
0736	.2	1	18.29	24.06	6.46	1920	1.46	-34	16.3
0741	1	1	18.33	24.12	6.41	1970	1.17	-31	21.7
0746	1	1	18.35	24.16	6.42	1980	1.19	-32	22.6

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)
0755	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0755	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.13 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	18.13 ft. BGL
MW ID	MW46C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW46C-20220720	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1734									
1744	.2	/	18.29	22.71	6.42	1810	0.51	-14	21.6
1749	/	/	18.31	22.77	6.47	1840	0.41	-16	17.4
1754	.6	/	18.32	22.79	6.49	1860	0.46	-17	17.7

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)
1810	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1810	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.07 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	8.07 ft. BGL
MW ID	MW84B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW84B-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	Pump Intake Depth	1 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
1546									
1556	.2	1	8.26	22.76	6.71	1910	0.41	-21	4.2
1601	1	1	8.29	22.68	6.64	1860	0.29	-24	3.6
1606	1	1	8.29	22.69	6.63	1870	0.32	-25	3.7

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)
1615	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1615	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.92 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	6.92 ft. BGL
MW ID	MW84A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW84A-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	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
1632									
1642	.2	1	7.09	22.47	6.56	1810	0.56	-32	8.6
1647	1	1	7.12	22.61	6.61	1770	0.51	-26	7.2
1652	1	1	7.13	22.62	6.59	1760	0.52	-25	7.7

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)
1705	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1705	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A)WG-1620-FB12-20220726
1730 - sample time

Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	17.52 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	17.52 ft. BGL
MW ID	MW87C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW87C-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	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)
0726	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0736	.2	/	17.74	23.12	6.74	2320	0.51	-67	6.7
0741	/	/	17.79	23.16	6.81	2260	0.36	-69	7.9
0746	.6	/	17.82	23.17	6.82	2270	0.39	-69	7.7

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)
0755	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
0755	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	9.12 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	9.12 ft. BGL
MW ID	MW36A	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW36A-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
0827									
0837	.2	1	9.26	22.81	6.86	1930	1.39	-77	17.7
0842	1	1	9.29	22.86	6.89	1860	1.16	-71	14.6
0847	1	1	9.31	22.91	6.88	1870	1.19	-74	15.4

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)
0900	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0900	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.24 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	8.24 ft. BGL
MW ID	MW91A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW91A-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
0919									
0929	.2	/	8.42	22.74	6.61	1420	0.81	-16	21.6
0934	/	/	8.41	22.86	6.57	1440	0.71	-21	19.2
0939	.6	/	8.42	22.87	6.53	1450	0.72	-20	19.7

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)
0950	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
0950	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FD06-20220727
0950-sample time

Field Team Leader JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	11.02 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	11.02 ft. BGL
MW ID	MW67B	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW67B-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1016									
1026	.2	1	11.29	23.41	6.64	2390	0.96	-26	22.6
1031	1	1	11.31	23.17	6.57	2420	0.77	-29	20.7
1036	1	1	11.32	23.21	6.59	2430	0.79	-29	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)
1050	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1050	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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.

MS \| MSD

Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.34 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	7.34 ft. BGL
MW ID	MW90B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW90B-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1157									
1207	.2	/	7.52	22.96	6.84	2260	0.46	-11	2.7
1212	/	/	7.54	22.87	6.89	2190	0.31	-12	3.4
1217	/	/	7.55	22.89	6.88	2210	0.33	-12	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)
1225	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1225	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	82.62 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	82.62 ft. BGL
MW ID	MW36D	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW36D-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	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
1309									
1319	.2	1	82.77	22.67	6.89	1910	0.32	-103	9.7
1324	1	1	82.79	22.86	6.96	1940	0.47	-107	9.2
1329	.6	1	82.80	22.89	6.94	1930	0.43	-109	9.4

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)
1340	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1340	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	82.79 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	82.79 ft. BGL
MW ID	MW66D	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW66D-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	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
1422									
1432	.2	/	82.87	22.67	6.97	1170	0.36	-109	5.6
1437	/	/	82.91	22.73	7.02	1190	0.23	-112	6.3
1442	/	/	82.93	22.74	7.07	1190	0.26	-113	6.2

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)
1450	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1450	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	80.66 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	80.66 ft. BGL
MW ID	MW59D	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW59D-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	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									
1546	.2	/	80.82	22.47	7.12	1310	0.56	-121	4.6
1551	/	/	80.84	22.51	7.06	1260	0.31	-117	3.2
1556	.6	/	80.85	22.53	7.09	1270	0.32	-119	3.7

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)
1610	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1610	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FD07-20220727
1610 - Sample time

Field Team Leader JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	83.27 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-27-22	Reference Point	☒ Top of casing	Depth to Water	83.27 ft. BGL
MW ID	MW65D	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW65D-20220727	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1649									
1659	.2	1	83.49	22.46	6.97	1320	0.49	-112	2.6
1704	1	1	83.51	22.51	7.04	1360	0.26	-101	3.4
1709	.6	1	83.52	22.52	7.06	1370	0.29	-102	2.9

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)
1725	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1725	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

MS \| MSD

Field Team Leader JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.96 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-24-22	Reference Point	☒ Top of casing	Depth to Water	6.96 ft. BGL
MW ID	MW12B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW12B-20220724	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROPFMCH	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
1526									
1536	.2	1	7.29	22.49	6.39	1930	1.79	-36	16.7
1541	1	1	7.27	22.56	6.42	1970	1.34	-39	17.4
1546	1	1	7.31	22.59	6.43	1960	1.41	-38	17.6

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)
1600	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1600	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.47 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-24-22	Reference Point	☒ Top of casing	Depth to Water	6.47 ft. BGL
MW ID	MW41B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW41B-20220724	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1636									
1646	.2	1	6.69	22.67	6.41	1390	0.89	-76	17.7
1651	1	1	6.69	22.71	6.44	1430	0.67	-83	16.2
1656	1.0	1	6.71	22.72	6.46	1440	0.71	-86	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)
1710	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1710	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	17.61	ft. BMP
Site Location	VPRR - HUPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-25-22	Reference Point	☒ Top of casing	Depth to Water	17.61	ft. BGL
MW ID	MW54C	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW54C-20220725	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume		gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
0734									
0744	.2		17.84	22.96	6.74	2360	0.56	-6	5.4
0749			17.87	22.88	6.77	2190	0.47	-3	4.3
0754			17.89	22.87	6.76	2190	0.48	-4	4.6

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)
0805	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0805	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

WG-1620-FB11-20220725
0710 - Sample time (ON COC)

WG-1620-FD05-20220725
0805 - Sample time

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.81 ft. BMP
Site Location	UPRR - HUPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-25-22	Reference Point	☒ Top of casing	Depth to Water	7.81 ft. BGL
MW ID	MW25A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW25A-2022	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
0834									
0844	.2	/	8.04	23.16	6.71	2260	0.81	-107	5.1
0849	/	/	8.06	23.19	6.68	2230	0.86	-111	4.1
0854	/	/	8.07	23.21	6.68	2240	0.87	-112	3.7

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)
0905	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
0905	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	17.52	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-25-22	Reference Point	☒ Top of casing	Depth to Water	17.52	ft. BGL
MW ID	MW25C	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW25C-20220725	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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)
0922	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0932	.2	/	17.79	22.76	6.82	1910	0.67	-17	8.7
0937	/	/	17.83	22.79	6.86	1870	0.52	-19	9.6
0942	/	/	17.85	22.81	6.87	1880	0.54	-19	9.7

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)
0955	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
0955	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	10.07 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-25-22	Reference Point	☒ Top of casing	Depth to Water	10.07 ft. BGL
MW ID	MW44A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW44A-20220725	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROPFMCH	Pump Intake Depth	1 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
1018									
1028	.2	1	10.23	22.56	6.67	2130	1.46	-46	11.7
1033	1	1	10.24	22.63	6.63	2190	1.29	-49	9.3
1038	.6	1	10.24	22.64	6.62	2180	1.31	-49	9.6

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)
1050	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1050	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	17.73 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-25-22	Reference Point	☒ Top of casing	Depth to Water	17.73 ft. BGL
MW ID	MW45C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW45C-20220725	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1111									
1121	.2	1	17.96	22.67	6.84	1970	0.47	-49	14.6
1126	1	1	17.98	22.77	6.86	2030	0.26	-56	16.7
1131	1	1	17.98	22.79	6.87	2040	0.28	-57	16.9

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)
1140	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1140	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.11 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	6.11 ft. BGL
MW ID	MW38A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW38A-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	Pump Intake Depth	1 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
0734									
0744	.2	1	6.31	22.77	6.84	2260	0.51	-109	6.2
0749	1	1	6.37	22.84	6.86	2290	0.47	-112	7.7
0754	1	1	6.41	22.83	6.87	2290	0.46	-113	7.9

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)
0805	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0805	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	5.32 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	5.32 ft. BGL
MW ID	MW38B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW38B-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	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
0827									
0837	.2	1	5.51	23.12	6.96	2310	0.63	-86	5.1
0842	1	1	5.54	23.19	6.92	2340	0.52	-77	4.1
0847	1	1	5.56	23.19	6.93	2350	0.51	-76	4.2

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)
0900	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0900	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	5,23 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	5,23 ft. BGL
MW ID	MW22BR	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW22BR-20220726	Water Quality		MW Diameter	2,0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	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
0933									
0943	.2	/	5,42	22,39	6,87	1860	0,96	-77	3,6
0948	/	/	5,45	22,46	6,81	1890	0,92	-81	3,9
0953	/	/	5,47	22,49	6,82	1890	0,93	-83	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1005	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1005	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.22 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	6.22 ft. BGL
MW ID	MW22AR	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW22AR-20220726	Water Quality		MW Diameter	2.B inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	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
1029									
1039	.2	/	6.34	22.46	6.77	2320	1.13	-13	5.2
1044	/	/	6.36	22.56	6.73	2310	0.86	-12	6.7
1049	.6	/	6.37	22.57	6.74	2310	0.89	-13	6.9

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)
1100	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1100	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	5.46 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	5.46 ft. BGL
MW ID	MW94A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW94A-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	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									
1249	.2	/	5.62	22.76	6.81	1920	0.36	-36	6.7
1254	1	/	5.64	22.79	6.85	1860	0.21	-39	6.9
1259	1	/	5.65	22.81	6.84	1870	0.22	-39	6.9

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)
1310	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1310	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.33 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	6.33 ft. BGL
MW ID	MW93B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW93B-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	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
1342									
1352	.2	/	6.47	23.26	6.93	1420	0.29	-134	9.3
1357	/	/	6.51	23.39	6.97	1460	0.19	-131	8.1
1402	.6	/	6.54	23.34	6.98	1470	0.22	-131	8.6

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)
1415	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1415	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.28 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-26-22	Reference Point	☒ Top of casing	Depth to Water	7.28 ft. BGL
MW ID	MW92B	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW92B-20220726	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	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
1442									
1452	.2	/	7.43	22.81	6.89	2260	0.57	-96	4.6
1457	/	/	7.46	22.96	6.87	2290	0.41	-91	4.2
1502	.6	/	7.48	22.87	6.86	2290	0.42	-92	4.3

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)
1515	1L / 40ML	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1515	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.13	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	7.13	ft. BGL
MW ID	MW26A	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW26A-20220720	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1	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
0734									
0744	.2	1	7.26	22.71	6.81	1820	0.56	-39	5.7
0749	1	1	7.29	22.46	6.77	1840	0.41	-36	6.2
0754	↓	1	7.31	22.47	6.74	1850	0.43	-34	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)
0805	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0805	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

(*) WG-1620-FB08-20220720
0705 - sample time

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.51 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	18.51 ft. BGL
MW ID	MW83C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW83C-20220720	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1 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
0829									
0839	.2	1	18.72	22.46	6.84	2060	0.76	-87	8.6
0844	↓	1	18.74	22.52	6.89	2090	0.63	-91	7.3
0849	↓	1	18.75	22.53	6.91	2090	0.67	-92	7.4

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)
0900	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0900	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

John
signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.42	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	7.42	ft. BGL
MW ID	MW83B	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW83B-20220720	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1	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
0914									
0924	.2	1	7.66	22.47	6.86	1830	0.96	-34	8.1
0929	"	1	7.64	22.49	6.81	1860	0.87	-39	6.2
0934	"	1	7.63	22.51	6.82	1870	0.89	-38	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)
0950	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0950	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FD02-20220720
0950 - sample time

Field Team Leader JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.22	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	6.22	ft. BGL
MW ID	MW35B	Location	☐ Other	Total MW Depth	-	ft. BGL
Sample ID	WG-1620-MW35B-20220720	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	Pump Intake Depth	1	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
1019									
1029	.2	1	6.41	22.81	6.56	2030	0.89	-42	18.6
1034	1	1	6.43	22.69	6.62	2060	0.72	-52	14.6
1039	1	1	6.44	22.68	6.63	2070	0.74	-53	15.1

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.			
1055	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1055	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	5.98	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	5.98	ft. BGL
MW ID	MW35A	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW35A-20220720	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	Pump Intake Depth	1	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
1221									
1231	.2	1	6.17	23.04	6.67	1810	1.12	-77	21.9
1236	↓	1	6.19	23.12	6.63	1760	1.01	-81	14.9
1241	↓	1	6.19	23.11	6.62	1770	0.96	-82	15.6

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)
1255	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1255	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	17.21	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	17.21	ft. BGL
MW ID	MW28C	Location	☐ Other	Total MW Depth	-	ft. BGL
Sample ID	WG-1620-MW28C-20220720	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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									
1343	.2	1	17.42	23.16	6.38	2160	0.57	-117	18.6
1348	"	1	17.41	23.09	6.43	2190	0.47	-106	9.7
1353	"	1	17.41	23.11	6.44	2180	0.46	-109	9.2

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)
1405	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1405	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

MS | MSD

Field Team Leader JOHN BRAYTON C
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.76 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	7.76 ft. BGL
MW ID	MW28A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW28A-20220720	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
1428									
1438	.2	1	7.93	22.76	6.63	1790	0.86	-77	4.6
1443	"	1	7.92	22.79	6.67	1830	0.73	-82	5.3
1448	"	1	7.93	22.79	6.68	1840	0.76	-83	5.1

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)
1500	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1500	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.67 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-20-22	Reference Point	☒ Top of casing	Depth to Water	8.67 ft. BGL
MW ID	MW89B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW89B-20220720	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1528									
1538	.2	1	8.86	22.86	6.73	1590	0.67	-67	4.6
1543	↓	1	8.87	22.92	6.79	1620	0.52	-72	5.7
1548	↓	1	8.86	22.92	6.78	1630	0.54	-73	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)
1600	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1600	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	18.04 ft. BMP
Site Location	UPRR - HUPW		☒ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-22	**Reference Point**	☒ Top of casing	**Depth to Water**	18.04 ft. BGL
MW ID	MW53C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW53C-20220720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROY FMCH	**Pump Intake Depth**	1 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)
1632	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1642	.2	1	18.22	22.47	6.79	1820	0.42	-86	5.6
1647	1	1	18.24	22.61	6.84	1860	0.26	-89	7.7
1652	↓	1	18.25	22.63	6.86	1870	0.27	-89	7.9

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)
1705	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1705	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	3.52 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7.22-22	Reference Point	☒ Top of casing	Depth to Water	3.52 ft. BGL
MW ID	MW96B	Location	☐ Other	Total MW Depth	ft. BGL
Sample ID	WG-1620-MW96B-20220722	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
0734									
0744	.2	1	3.69	22.46	6.56	1820	0.36	-39	9.6
0749	1	1	3.71	22.39	6.59	1840	0.39	-46	5.2
0754	↓	1	3.72	22.41	6.59	1850	0.36	-47	5.1

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)
0805	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0805	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

WG-1622-FB09-20220722
0715 - pump on time

Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	3.42 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-22-22	Reference Point	☒ Top of casing	Depth to Water	3.42 ft. BGL
MW ID	MW95A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW95A-2022	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1 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
0832									
0842	.2	1	3.59	22.67	6.71	1670	0.57	-42	7.4
0847	1	1	3.59	22.72	6.67	1690	0.46	-51	6.7
0852	1.6	1	3.60	22.73	6.69	1690	0.49	-49	6.9

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)
0905	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0905	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	3.64 ft. BMP
Site Location	UPRR - HOPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-22-22	Reference Point	☒ Top of casing	Depth to Water	3.64 ft. BGL
MW ID	MW61B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW61B-20220722	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROPFMCH	Pump Intake Depth	1 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
0942									
0952	.2	1	3.86	22.86	6.84	1970	0.87	-109	8.3
0957	1	1	3.91	22.91	6.89	1990	0.67	-106	9.2
1002	1	1	3.93	22.92	6.89	1990	0.69	-107	9.1

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)
1015	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1015	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	5.66 ft. BMP
Site Location	UPRR - HUPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7.22.22	Reference Point	☒ Top of casing	Depth to Water	5.66 ft. BGL
MW ID	MW61A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW61A-20220722	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
1029									
1039	.2	1	5.89	22.86	6.84	2110	1.46	-7	8.2
1044	1	1	5.91	22.92	6.83	2060	1.17	-9	3.9
1049	1	1	5.92	22.94	6.82	2070	1.22	-9	3.6

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)
1105	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1105	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

MS | MSD

Field Team Leader JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.73 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-24-22	Reference Point	☒ Top of casing	Depth to Water	18.73 ft. BGL
MW ID	MW47C	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW47C-20220724	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1216									
1226	.2	/	18.97	22.64	6.47	1620	0.72	-19	7.4
1231	/	/	18.99	22.69	6.51	1670	0.56	-23	7.7
1236	/	/	18.99	22.71	6.52	1680	0.57	-24	7.5

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)
1245	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1245	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FB10-20220724
1215 - sample time

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Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	9.37 ft. BMP
Site Location	UPRR - HIOPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-24-22	Reference Point	☒ Top of casing	Depth to Water	9.37 ft. BGL
MW ID	MW47A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW47A-20220724	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROPFMCH	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
1309									
1319	.2	/	9.56	22.81	6.67	1570	0.76	-77	4.2
1324	/	/	9.58	22.86	6.61	1590	0.71	-81	4.7
1329	.6	/	9.56	22.89	6.62	1590	0.74	-82	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)
1340	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1340	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C
name

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	19.27 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-24-22	Reference Point	☒ Top of casing	Depth to Water	19.27 ft. BGL
MW ID	MW34CR	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW34CR-20220724	Water Quality		MW Diameter	4.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROPFMCH	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									
1423	.2	/	19.43	23.06	6.77	1630	0.86	-57	2.6
1428	1	/	19.45	23.12	6.82	1660	0.71	-61	2.9
1433	1	/	19.46	23.13	6.84	1670	0.72	-62	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1445	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1445	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	10.29 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	10.29 ft. BGL
MW ID	MW49A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW49A-20220718	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1633									
1643	.2	1	10.47	23.26	6.59	2070	0.72	-102	15.6
1648	1	1	10.51	23.34	6.63	2040	0.56	-106	12.2
1653	↓	1	10.54	23.39	6.64	2030	0.57	-107	13.6

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)
1710	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1710	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	11.06	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	11.06	ft. BGL
MW ID	MW69A	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW69A-20220719	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1	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
0727									
0737	.2	1	11.41	22.81	6.79	1890	0.59	-47	5.1
0742	1	1	11.46	22.86	6.71	1810	0.36	-44	3.4
0747	↓	1	11.50	22.87	6.72	1820	0.38	-43	3.7

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)
0755 ~~0825~~	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
~~0825~~ 0755	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	25.33 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	25.33 ft. BGL
MW ID	MW21C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW21C-2022	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
0836									
0846	.2	1	25.47	22.46	6.96	2060	0.62	-86	5.3
0851	1	1	25.47	22.56	6.93	2080	0.49	-91	3.9
0856	↓	1	25.48	22.59	6.92	2090	0.51	-92	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)
0915	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0915	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

WG-1620-FD01-20220719
0915-Sample time

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.96	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	18.96	ft. BGL
MW ID	MW27C	Location	☐ Other	Total MW Depth		ft. BGL
Sample ID	WG-1620-MW27C-20220719	Water Quality		MW Diameter		inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1	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
0951									
1001	.2	1	19.23	23.21	6.96	1620	0.52	-26	9.6
1006	1	1	19.26	23.26	6.94	1560	0.32	-21	7.2
1011	↓	1	19.27	23.29	6.93	1570	0.33	-22	7.6

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)
1025	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1025	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	9.61 ft. BMP
Site Location	UPRR - HUPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	9.61 ft. BGL
MW ID	MW27A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW27A-20220719	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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									
1044	.2	1	9.83	22.56	6.93	1910	0.39	-34	8.6
1049	1	1	9.82	22.66	6.87	1820	0.26	-41	7.2
1054	↓	1	9.82	22.67	6.88	1840	0.27	-42	7.5

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)
1105	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1105	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	17.12 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	17.12 ft. BGL
MW ID	MW99C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW99C-20220719	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
1146									
1156	.2	1	17.33	23.14	6.86	1830	0.43	-42	9.2
1201	1	1	17.32	23.16	6.81	1860	0.22	-47	7.6
1206	↓	1	17.33	23.17	6.82	1870	0.23	-46	7.9

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)
1220	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1220	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	15.74	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7.19.22	Reference Point	☒ Top of casing	Depth to Water	—	ft. BGL
MW ID	MW54B	Location	☐ Other	Total MW Depth	15.74	ft. BGL
Sample ID	WG-1620-MW54B-20220719	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	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
1238									
1248	.2	/	15.96	23.26	6.81	1820	0.67	-34	8.2
1253	/	/	15.98	23.17	6.74	1760	0.52	-37	7.1
1258	↓	/	15.98	23.16	6.76	1770	0.53	-38	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1310	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1310	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.71 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	6.71 ft. BGL
MW ID	MW68A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW68A-20220719	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
1343									
1353	.2	1	6.93	22.66	6.76	1960	0.67	-71	16.7
1358	1	1	6.93	22.81	6.81	1990	0.56	-76	15.2
1403	↓	1	6.94	22.84	6.82	1980	0.57	-77	15.3

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)
1415	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1415	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.68 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	6.68 ft. BGL
MW ID	MW 68B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW68B-20220719	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
1426									
1436	.2	1	6.89	22.65	6.81	1870	0.47	-14	21.4
1441	1	1	6.89	22.72	6.86	1890	0.52	-16	16.3
1446	↓	1	6.89	22.74	6.87	1890	0.53	-17	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)
1500	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1500	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.57 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	18.57 ft. BGL
MW ID	MW68C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW68C-20220719	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1 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
1519									
1529	.2	1	18.77	23.16	6.59	1810	1.46	-87	8.3
1534	1	1	18.78	23.19	6.64	1710	1.31	-91	4.6
1539	↓	1	18.77	23.19	6.64	1730	1.32	-92	4.7

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)
1550	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1550	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.81 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-19-22	Reference Point	☒ Top of casing	Depth to Water	6.81 ft. BGL
MW ID	MW33BR	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW33BR-20220719	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	/ gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1622									
1632	.2	/	7.07	22.84	6.84	1570	0.81	-3	9.3
1637	1	/	7.10	22.96	6.91	1590	0.67	-7	4.6
1642	↓	/	7.11	22.94	6.92	1580	0.64	-6	4.7

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)
1655	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1655	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

VINYL CHLORIDE

Field Team Leader JOHN BRAYTON (name) (signature)

(☆) WG-1620-FB07-20220719

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	9.58 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	9.58 ft. BGL
MW ID	MW79A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW79A-20220718	Water Quality		MW Diameter	4.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
0822									
0832	.2	1	9.79	22.56	6.56	2110	0.96	-6	19.6
0837	1	1	9.81	22.63	6.59	2130	0.91	-4	14.3
0842	↓	1	9.82	22.65	6.59	2140	0.92	-3	14.9

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)
0855	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0855	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.23 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	8.23 ft. BGL
MW ID	MW74B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW74B-20220718	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
0917									
0927	.2	1	8.41	22.81	6.64	1830	1.49	-31	16.7
0932	1	1	8.43	22.71	6.57	1860	1.07	-36	14.3
0937	↓	1	8.44	22.72	6.56	1870	1.11	-37	14.6

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)
0950	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0950	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.04	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	8.04	ft. BGL
MW ID	MW60AR	Location	☐ Other	Total MW Depth	~	ft. BGL
Sample ID	WG-1620-MW60AR-20220718	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1	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
1026									
1036	.2		8.26	22.61	6.91	1690	0.67	-106	9.3
1041			8.29	22.67	6.94	1760	0.42	-109	6.7
1046	↓		8.31	22.69	6.94	1770	0.46	-111	7.8

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)
1100	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1100	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C (name) _____ (signature)

Groundwater Sample Collection

GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.52	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-18-22	**Reference Point**	☒ Top of casing	**Depth to Water**	9.52	ft. BGL
MW ID	MW60B	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW60B-20220718	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROPFMCH	**Pump Intake Depth**	1	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
1118									
1128	.2	1	9.74	22.46	6.86	1560	0.82	-96	8.4
1133	1	1	9.77	22.52	6.89	1590	0.76	-91	6.7
1138	↓	1	9.79	22.53	6.89	1590	0.74	-92	6.9
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)
1150	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1150	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.72	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	8.72	ft. BGL
MW ID	MW59B	Location	☐ Other _____	Total MW Depth	-	ft. BGL
Sample ID	WG-1620-MW59B-20220718	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1	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
1216									
1226	.2	1	8.93	22.46	6.87	1870	0.67	-86	3.6
1231	↓	1	8.95	22.49	6.91	1840	0.42	-81	3.9
1236	↓	1	8.96	22.52	6.92	1850	0.43	-82	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1250	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1250	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.86 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	8.86 ft. BGL
MW ID	MW59A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW59A-20220718	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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 1312	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
1322	.2	1	9.06	23.13	6.92	1820	0.76	-29	13.9
1327	1	1	9.08	23.17	6.96	1810	0.59	-22	12.1
1332	.6	1	9.09	23.18	6.97	1810	0.56	-24	12.6

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)
1345	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1345	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	18.38	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	18.38	ft. BGL
MW ID	MW48C	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW48C-20220718	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1	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									
1431	.2	1	18.53	22.47	6.74	1790	1.39	-22	6.7
1436	1	1	18.56	22.59	6.78	1760	1.06	-27	4.2
1441	↓	1	18.58	22.61	6.78	1770	1.09	-28	4.6

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)
1455	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1455	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.37	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-18-22	**Reference Point**	☒ Top of casing	**Depth to Water**	8.37	ft. BGL
MW ID	MW49B	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW49B-20220718	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROY FMCH	**Pump Intake Depth**	1	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
1533									
1543	.2	1	8.59	22.86	6.52	1930	1.76	-6	16.7
1548	1	1	8.62	22.93	6.46	1970	1.46	-12	15.1
1553	↓	1	8.64	22.94	6.43	1980	1.49	-13	15.6

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)
1605	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1605	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.11	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	8.11	ft. BGL
MW ID	MW98B	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW98B-20220714	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
1539									
1549	.2	1	8.33	23.12	6.84	1720	1.36	-29	2.7
1554	↓	1	8.35	23.23	6.82	1760	1.06	-26	3.6
1559	↓	1	8.37	23.24	6.82	1750	1.08	-26	3.4

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)
1610	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1610	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
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Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.53	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	6.53	ft. BGL
MW ID	MW81B	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW81B-20220714	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
1629									
1639	.2	1	6.73	22.44	6.89	1920	0.76	-17	21.7
1644	1	1	6.74	22.57	6.92	1950	0.52	-19	14.6
1649	〃	1	6.73	22.56	6.92	1940	0.53	-19	15.2

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	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1700	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

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Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	21.41 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-17-22	Reference Point	☒ Top of casing	Depth to Water	21.41 ft. BGL
MW ID	MW51C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW51C-20220717	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROPFMCH	Pump Intake Depth	1 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
1246									
1256	.2	1	21.61	22.31	6.74	1830	0.96	-36	4.6
1301	↓	1	21.64	22.36	6.79	1860	0.72	-39	5.2
1306	↓	1	21.66	22.38	6.78	1870	0.71	-39	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1320	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1320	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

WG-1620-FB05-20220717
1215 - Dample Time

Field Team Leader JOHN BRAYTON
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Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.17	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-17-22	Reference Point	☒ Top of casing	Depth to Water	8.17	ft. BGL
MW ID	MW51A	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW51A-20220717	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
1338									
1348	.2	1	8.39	22.74	6.64	1970	0.59	-71	9.4
1353	1	1	8.41	22.79	6.67	1990	0.36	-74	8.3
1358	↓	1	8.42	22.81	6.64	1990	0.34	-73	8.7

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)
1410	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1410	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	9.12	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-17-22	Reference Point	☒ Top of casing	Depth to Water	9.12	ft. BGL
MW ID	MW50B	Location	☐ Other _____	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW50B-20220717	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1	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									
1446	.2	1	9.31	22.71	6.86	2160	1.29	-11	9.3
1451	1	1	9.33	22.56	6.81	2190	1.17	-8	9.7
1456	1	1	9.34	22.57	6.82	2180	1.19	-7	9.6

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)
1505	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1505	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.58 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-17-22	Reference Point	☒ Top of casing	Depth to Water	6.58 ft. BGL
MW ID	MW50A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW50A-20220717	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1527									
1537	.2	1	6.72	23.06	6.79	1920	1.46	-76	11.7
1542	1	1	6.73	23.12	6.73	1860	1.34	-81	5.6
1547	↓	1	6.73	23.13	6.74	1870	1.37	-82	5.9

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.			
1605	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1605	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

MS | MSD

Field Team Leader JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	10.33 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-17-22	Reference Point	☒ Top of casing	Depth to Water	10.33 ft. BGL
MW ID	MW80B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW80B-20220717	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1 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
1641									
1651	.2	1	10.56	22.56	6.67	1650	0.72	-29	2.7
1656	↓	1	10.58	22.42	6.71	1680	0.56	-21	3.6
1701	↓	1	10.58	22.46	6.72	1690	0.57	-22	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)
1715	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1715	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

John
signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	21.37	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-18-22	Reference Point	☒ Top of casing	Depth to Water	21.37	ft. BGL
MW ID	MW86C	Location	☐ Other _____	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW86C-20220718	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
0725									
0735	.2	1	21.58	22.26	6.71	1560	0.71	-39	9.1
0740	↓	1	21.56	22.33	6.79	1610	0.42	-36	8.2
0745	↓	1	21.57	22.34	6.78	1620	0.46	-35	8.6

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)
0755	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0755	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

WG-1620-FB06-20220718
0700 - Sample time

Field Team Leader JOHN BRAYTON
name

John
signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	10.84	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	10.84	ft. BGL
MW ID	MW15B	Location	☐ Other _____	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW15B-20220711	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
1418									
1428	.2	1	11.07	23.72	6.59	2310	0.76	-42	4.2
1433	1	1	11.08	23.61	6.64	2340	0.57	-46	5.7
1438	↓	1	11.07	23.64	6.62	2350	0.58	-47	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1450	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1450	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	24.67 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	24.67 ft. BGL
MW ID	MW15C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW15C-20220711	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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
1516									
1526	.2	1	24.89	22.46	6.86	1690	0.79	-36	3.6
1531	1	1	24.91	22.56	6.91	1720	0.56	-41	2.7
1536	1	1	24.92	22.59	6.92	1730	0.57	-42	2.8

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)
1545	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1545	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	10.27 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	10.27 ft. BGL
MW ID	MW15A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW15A-20220711	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1609									
1619	.2	1	10.42	23.12	6.86	2020	1.67	-17	8.1
1624	1	1	10.43	22.96	6.89	2060	1.21	-19	5.7
1629	↓	1	10.42	22.94	6.89	2070	1.23	-19	4.2

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)
1645	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1645	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	26.12 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	26.12 ft. BGL
MW ID	MW88C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW88C-20220711	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1712									
1722	.2	1	26.34	22.86	6.51	2170	0.81	-56	5.2
1727	1	1	26.35	22.94	6.56	2190	0.67	-61	3.7
1732	1	1	26.35	22.95	6.57	2190	0.71	-62	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1745	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1745	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

(A) WG-1620-FB01-20220711
1815 - Dample-time

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.87 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	6.87 ft. BGL
MW ID	MW04	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW04-20220714	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	Pump Intake Depth	1 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)
0722	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0732	.2	1	7.12	22.46	6.79	1790	0.62	-57	4.6
0737	1	1	7.15	22.51	6.81	1760	0.46	-59	5.2
0742	↓	1	7.17	22.56	6.84	1770	0.47	-59	5.1

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)
0755	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0755	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FB04-20220714
0705 - Sample time

Field Team Leader JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922	Equipment Decon	☒ Dedicated equipment	Depth to Water	9.14	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	9.14	ft. BGL
MW ID	MW78A	Location	☐ Other _____	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW78A-20220714	Water Quality		MW Diameter	4.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	—	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROLL FMCH	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
0828									
0838	.2	1	9.39	22.71	6.57	2170	0.86	-7	18.9
0843	1	1	9.41	22.79	6.51	2120	0.72	-6	17.6
0848	↓	1	9.42	22.78	6.52	2130	0.74	-6	17.7

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)
0900	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0900	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	23.87	ft. BMP
Site Location	UPRR - HUPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	23.87	ft. BGL
MW ID	MW85C	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW85C-20220714	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROG FMCH	Pump Intake Depth	1	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
0917									
0927	.2	1	24.19	22.76	6.46	1860	0.96	-87	21.2
0932	1	1	24.23	22.64	6.52	1840	0.81	-92	20.7
0937	↓	1	24.25	22.63	6.53	1830	0.84	-93	20.9

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)
0950	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0950	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	6.98 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	6.98 ft. BGL
MW ID	MW77A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW77A-20220714	Water Quality		MW Diameter	4.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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									
1117	.2	1	7.21	23.06	6.74	1720	1.46	-56	19.6
1122	1	1	7.24	23.21	6.69	1760	1.21	-61	21.2
1127	〃	1	7.27	23.23	6.67	1770	1.23	-62	21.7

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)
1140	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1140	60ML	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	5.13 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	5.13 ft. BGL
MW ID	MW76B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW76B-20220714	Water Quality		MW Diameter	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROUFMCH	Pump Intake Depth	1 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
1213									
1223	.2	1	5.29	22.74	6.71	1810	0.84	-56	9.7
1228	1	1	5.33	22.71	6.68	1860	0.59	-51	6.3
1233	↓	1	5.34	22.72	6.64	1870	0.61	-52	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)
1245	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1245	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON C
name

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	22.54 ft. BMP
Site Location	UPRR - HUPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	22.54 ft. BGL
MW ID	MW76C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW76C-2022	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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
1306									
1316	.2	1	22.76	22.86	6.59	2060	0.61	-86	3.9
1321	1	1	22.77	22.81	6.63	2090	0.51	-91	3.1
1326	↓	1	22.76	22.82	6.62	2090	0.49	-92	3.4

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)
1340	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1340	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	5.61	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	5.61	ft. BGL
MW ID	MW97A	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW97A-20220714	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
1403									
1413	.2	1	5.87	22.56	6.79	1920	1.29	-106	26.4
1418	1	1	5.91	22.59	6.76	1960	1.16	-104	14.6
1423	↓	1	5.93	22.59	6.77	1970	1.19	-104	15.1

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	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1435	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.56 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-14-22	Reference Point	☒ Top of casing	Depth to Water	7.56 ft. BGL
MW ID	MW98A	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW98A-20220714	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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									
1502	.2	1	7.77	22.71	6.78	1960	0.56	-16	21.9
1507	1	1	7.79	22.77	6.74	1910	0.34	-21	17.6
1512	↓	1	7.79	22.78	6.73	1920	0.37	-23	17.7

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)
1525	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1525	60mL	P	1	☒ filtered ☐ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	24.91 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-12-22	Reference Point	☒ Top of casing	Depth to Water	24.91 ft. BGL
MW ID	MW18C	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW18C-20220712	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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)
0741	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0751	.2	1	25.21	23.16	6.62	2620	0.56	-16	6.1
0756	1	1	25.20	22.99	6.67	2610	0.39	-17	4.2
0801	↓	1	25.20	22.93	6.69	2610	0.42	-17	4.4

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)
0815	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0815	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	16.62 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-12-22	Reference Point	☒ Top of casing	Depth to Water	16.62 ft. BGL
MW ID	MW18A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW18A-20220712	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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)
0831	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0841	.2	1	16.89	6.67	23.06	1960	0.76	-27	5.6
0846	↓	1	16.92	6.71	23.16	1990	0.61	-29	6.2
0851	↓	1	16.93	6.72	23.18	1990	0.63	-27	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)
0905	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0905	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.58 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-22	**Reference Point**	☒ Top of casing	**Depth to Water**	8.58 ft. BGL
MW ID	TW41B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-TW41B-20220713	**Water Quality**		**MW Diameter**	4.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROFMCH	**Pump Intake Depth**	1 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
1019									
1029	.2	1	8.86	22.62	6.73	1830	0.86	-17	8.7
1034	1	1	8.89	22.81	6.69	1860	0.79	-19	6.2
1039	↓	1	8.89	22.82	6.68	1870	0.79	-19	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)
1055	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1055	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.58 ft. BMP
Site Location	UPRR - HWDPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-13-22	Reference Point	☒ Top of casing	Depth to Water	7.58 ft. BGL
MW ID	MW 62B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW62B-20220713	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1119									
1129	.2	1	7.79	23.09	6.81	2060	0.63	-39	3.6
1134	1	1	7.84	22.96	6.84	2090	0.52	-44	2.7
1139	↓	1	7.87	22.94	6.85	2090	0.54	-43	3.1

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)
1155	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1155	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON
name

signature

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.71 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-13-22	Reference Point	☒ Top of casing	Depth to Water	7.71 ft. BGL
MW ID	P11	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-P11-20220713	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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
1222									
1232	.2	1	7.96	22.12	6.89	1860	1.39	-67	9.6
1237	1	1	7.98	22.21	6.86	1890	1.17	-71	7.6
1242	↓	1	7.97	22.23	6.94	1890	1.18	-72	7.9

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)
1255	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1255	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.22 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-22	**Reference Point**	☒ Top of casing	**Depth to Water**	7.22 ft. BGL
MW ID	MW05	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW05-20220713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROY FMCH	**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									
1338	.2	1	7.42	23.09	6.77	2190	0.87	-86	5.1
1341			7.44	23.16	6.74	2160	0.71	-89	5.9
1346	↓	↓	7.44	23.17	6.73	2150	0.72	-89	5.4

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	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1400	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON / John
name signature

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	7.39 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-13-22	Reference Point	☒ Top of casing	Depth to Water	7.39 ft. BGL
MW ID	MW64A	Location	☐ Other	Total MW Depth	- ft. BGL
Sample ID	WG-1620-MW64A-20220713	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROFMCH	Pump Intake Depth	1 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
1434									
1444	.2	1	7.56	22.64	6.64	1830	0.39	-76	10.6
1449	1	1	7.58	22.69	6.61	1870	0.21	-69	9.4
1454	↓	1	7.59	22.68	6.62	1880	0.26	-71	9.8

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)
1510	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1510	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.06	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-13-22	**Reference Point**	☒ Top of casing	**Depth to Water**	7.06	ft. BGL
MW ID	MW09	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW09-20220713	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**Pump Intake Depth**	1	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
1546									
1556	.2	1	7.22	22.46	6.91	1720	1.67	-3	8.6
1601	↓	1	7.26	22.57	6.94	1770	1.46	-4	6.1
1606	↓	1	7.29	22.59	6.95	1780	1.47	-4	6.3

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)
1620	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1620	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.72 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-22	**Reference Point**	☒ Top of casing	**Depth to Water**	6.72 ft. BGL
MW ID	MW03	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW03-20220713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROY FMCH	**Pump Intake Depth**	1 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
1649									
1659	.2	1	6.89	22.74	6.77	2020	0.81	-34	4.3
1704	1	1	6.91	22.77	6.82	2060	0.67	-38	3.6
1709	〃	1	6.92	22.78	6.84	2070	0.66	-39	3.4

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)
1725	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1725	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911922.2	Equipment Decon	☒ Dedicated equipment	Depth to Water	9.94 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	9.94 ft. BGL
MW ID	MW 20A	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW20A-20220711	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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)
0846	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0856	.2	1	10.12	23.74	6.76	1860	0.76	-26	6.7
0901	↓	1	10.14	23.61	6.79	1810	0.59	-29	7.7
0906	↓	1	10.15	23.64	6.79	1820	0.57	-29	7.9

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)
0920	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0920	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	10.16	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	10.16	ft. BGL
MW ID	MW14	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW14-20220711	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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)
0941	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0951	.2	1	10.34	23.06	6.61	2060	1.34	-71	9.6
0956	1	1	10.37	23.11	6.64	2090	1.06	-61	8.2
1001	↓	1	10.38	23.12	6.63	2080	1.07	-64	8.6

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)
1015	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1015	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.92 ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	8.92 ft. BGL
MW ID	MW40B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW40B-20220711	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TRD9 FMCH	Pump Intake Depth	1 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									
1047	.2	1	9.21	22.71	6.56	2160	0.86	-6	4.6
1052	1	1	9.24	22.77	6.62	2180	0.77	-9	3.2
1057	↓	1	9.25	22.79	6.63	2190	0.78	-9	3.7

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)
1110	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1110	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.63 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	— ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	8.63 ft. BGL
MW ID	MW42B	Location	☐ Other	Total MW Depth	— ft. BGL
Sample ID	WG-1620-MW42B-20220711	Water Quality		MW Diameter	2.0 inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1 gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1 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)
1129	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1139	.2	1	8.84	22.76	6.73	1960	0.51	-29	4.7
1144	↓	1	8.86	22.84	6.77	1980	0.36	-21	4.1
1149	↓	1	8.87	22.86	6.78	1990	0.39	-22	4.2

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)
1205	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1205	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	10.86	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	10.86	ft. BGL
MW ID	MW13	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW13-20220711	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume	1	gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	Pump Intake Depth	1	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
1228									
1238	.2	1	11.09	22.74	6.67	1790	0.46	-6	8.2
1243	1	1	11.11	22.82	6.64	1760	0.31	-7	9.6
1248	1	1	11.11	22.83	6.63	1760	0.29	-7	9.2

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)
1300	1L / 40mL	G / G	5	☐ filtered ☒ unfiltered	NONE / HCL	SVOCS / VOCS
1300	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	19119232	Equipment Decon	☒ Dedicated equipment	Depth to Water	8.53	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	Casing Stickup	—	ft.
Date	7-11-22	Reference Point	☒ Top of casing	Depth to Water	8.53	ft. BGL
MW ID	MW39B	Location	☐ Other	Total MW Depth	—	ft. BGL
Sample ID	WG-1620-MW39B-20220711	Water Quality		MW Diameter	2.0	inches
Pump	☐ Waterra ☐ Submersible	Meter Model	HORIBA	MW Volume		gallons
	☒ Peristaltic ☐ Bladder	Unit Number	TROY FMCH	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)
1322	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1332	.2	1	8.79	22.76	6.84	2270	0.86	-39	8.3
1337	1	1	8.81	22.71	6.86	2290	0.74	-41	9.2
1342	↓	1	8.81	22.72	6.89	2290	0.75	-42	9.1

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	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1355	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.91	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-13-22	**Reference Point**	☒ Top of casing	**Depth to Water**	8.91	ft. BGL
MW ID	MW12A	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW12A-20220713	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROG FMCH	**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)
0922	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0932	.2		9.16	23.21	6.89	1610	0.59	-12	2.6
0937			9.18	23.26	6.96	1640	0.41	-16	3.9
0942	↓		9.18	23.25	6.94	1660	0.43	-17	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)
1000	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1000	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

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Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	26.42	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-13-22	**Reference Point**	☒ Top of casing	**Depth to Water**	26.42	ft. BGL
MW ID	MW12C	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW12C-20220713	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROG FMCH	**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
0831									
0841	.2	|	26.59	22.47	6.56	1760	0.96	-77	3.2
0846	|	|	26.61	22.52	6.61	1720	1.07	-79	4.6
0851	|	|	26.62	22.56	6.62	1730	1.06	-79	4.7

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)
0905	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0905	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.73	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-13-22	**Reference Point**	☒ Top of casing	**Depth to Water**	8.73	ft. BGL
MW ID	MW88B	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW88B-20220713	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
0726									
0736	.2	|	8.91	22.71	6.84	1630	0.86	-46	8.6
0741	|	|	8.93	22.76	6.91	1660	0.92	-51	9.1
0746	.6	|	8.94	22.77	6.92	1670	0.93	-52	9.2

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)
0805	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
0805	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

(A) WG-1620-FB03-20220713
0710 - pumple time

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.57	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	8.57	ft. BGL
MW ID	MW88A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW88A-20220712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROP FMCH	**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
1727									
1737	.2	|	22.59	8.72	6.67	1890	1.79	-26	5.1
1742	|	|	22.67	8.79	6.81	1930	1.52	-29	3.6
1747	↓	|	22.69	8.80	6.82	1940	1.53	-29	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1800	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1800	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	24.34	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	24.34	ft. BGL
MW ID	MW17C	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW17C-20220712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
1626									
1636	.2	|	24.52	23.09	6.42	2260	0.76	-46	4.6
1641	|	|	24.54	23.13	6.47	2210	0.62	-51	5.2
1646	↓	|	24.55	23.14	6.48	2220	0.63	-52	5.7

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)
1700	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1700	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911232	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	12.09	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	12.09	ft. BGL
MW ID	MW17	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW17-20220712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
1538									
1548	.2		12.21	22.74	6.56	1990	1.56	-102	12.6
1553			12.23	22.84	6.62	2060	1.34	-106	9.3
1558	↓		12.23	22.85	6.63	2070	1.37	-107	9.6

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)
1610	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1610	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	27.87	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	27.87	ft. BGL
MW ID	MW23C	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW23C-20220712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
1439									
1449	.2	|	28.12	22.86	6.59	1930	0.86	-6	8.6
1454	|	|	28.16	22.96	6.56	1970	0.69	-8	7.7
1459	↓	|	28.19	22.96	6.57	1960	0.72	-8	7.4

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)
1515	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1515	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	16.47	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	16.47	ft. BGL
MW ID	MW72B	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW72B-20220712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
1347									
1357	.2		16.62	23.06	6.89	1620	0.46	-57	4.7
1402			16.65	23.12	6.84	1670	0.53	-54	5.1
1407	↓		16.67	23.13	6.83	1680	0.56	-53	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)
1420	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1420	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	26.88	ft. BMP
Site Location	VPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	26.88	ft. BGL
MW ID	MW19C	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW19C-20220712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
1242									
1252	.2	|	27.06	22.52	6.86	1960	0.72	-67	9.2
1257	|	|	27.11	22.57	6.81	1920	0.56	-71	8.1
1302	|	|	27.12	22.61	6.82	1930	0.59	-72	8.4

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)
1315	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1315	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	15.06 ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	— ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	15.06 ft. BGL
MW ID	MW57B	**Location**	☐ Other _____	**Total MW Depth**	20 ft. BGL
Sample ID	WG-1620-MW57B-20220712	**Water Quality**		**MW Diameter**	— inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
1109									
1119	.2	1	15.28	22.86	6.74	2260	0.76	-86	4.2
1124	1	1	15.31	22.94	6.81	2220	0.82	-91	3.6
1129	.6	1	15.32	22.96	6.82	2210	0.84	-92	3.7

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)
1145	1L | 40mL	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1145	60mL	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	13.88	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	13.88	ft. BGL
MW ID	MW57A	**Location**	☐ Other	**Total MW Depth**	20	ft. BGL
Sample ID	WG-1620-MW57A-20220712	**Water Quality**		**MW Diameter**	—	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TRD9 FMCH	**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
1023									
1032	.2	|	14.06	23.06	6.74	1820	1.39	-39	7.7
1037	|	|	14.08	23.07	6.77	1860	1.17	-42	6.2
1042	.6	|	14.08	23.11	6.78	1870	1.19	-42	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)
1055	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1055	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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.

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Groundwater Sample Collection

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GOLDER

Project/Phase	1911923.2	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	12.08	ft. BMP
Site Location	UPRR - HWPW		☒ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-22	**Reference Point**	☒ Top of casing	**Depth to Water**	12.08	ft. BGL
MW ID	MW58A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW58A-20220712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**		gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	TROY FMCH	**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
0928									
0938	.2	|	12.23	22.61	6.72	1820	0.27	-11	4.7
0943	|	|	12.26	22.71	6.77	1840	0.34	-12	5.2
0948	|	|	12.27	22.72	6.78	1840	0.33	-12	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1000	1L | 40ML	G | G	5	☐ filtered ☒ unfiltered	NONE | HCL	SVOCS | VOCS
1000	60ML	P	1	☐ filtered ☒ unfiltered	HNO3	ARSENIC

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 JOHN BRAYTON (name) (signature)

ATTACHMENT B

Data Usability Summary and Analytical Reports from July 2022 Sampling Event

Technical Memorandum

04 November 2022
Revision: 06 February 2023

To	Eric Matzner		
Copy to	Jesse Orth, Julie Lidstone		
From	Chris G. Knight/eew/1401	**Tel**	512-506-8803
Subject	Data Usability Summary HWPW - Semiannual Site-Wide Monitoring Union Pacific Railroad (UPRR)/Houston TX Wood Preserving Works Houston, Texas July 2022	**Project no.**	11183954 1620

1. Scope of Data Usability Study

This document details a Data Usability Summary (DUS) of analytical results for groundwater samples collected in support of the HWPW - Semiannual Site-Wide Monitoring at the UPRR/Houston TX-Wood Preserving Works site during July 2022. Samples were submitted to ALS Environmental (ALS), located in Houston, Texas and are reported in the following data packages: HS22070538, HS22070669, HS22070837, HS22070995, HS22071068, HS22071151, HS22071321, HS22071384, and HS22071469. The intended use of the data is to support the HWPW - Semiannual Site-Wide Monitoring at the site by providing current concentration 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 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 form, the 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 exceptions (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.

2. Laboratory Qualifications

The Laboratory'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.

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 trip blank samples, 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 Hold Time and Preservation

Samples were shipped with chains of custody and the paperwork was filled out properly with the following exceptions:

i) HS22070669: The sample container count for MS/MSD sample differs on the chain of custody (6) from what was received (12). No further action was required.

ii) HS22070837: WG-1620-MW85C-20220714 was submitted with differing sample times on the sample container labels and the chain of custody. This sample was logged in using the sample time provided on the chain of custody. No further action was required.

iii) HS22070995: WG-1620-MW80B-20220717 was marked on the chain of custody for MS/MSD analyses; however, the required additional volume of sample was not received, and this sample was not used for any MS/MSD analyses. No further action was required.

iv) HS22071068: A trip blank sample was listed on the chain of custody but was not received. No further action was required.

v) HS22071384: WG-1620-FD05-20220725 was listed on the chain of custody but was not received. No further action was required. WG-1620-FB11-20220725 was listed on the chain is custody but was marked through. The sample was received; however, the sample times differed on the sample containers and chain of custody. This sample was logged in using the sample listed on the 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).

i) HS22070837: WG-1620-MW85C-20220714 was received in a properly preserved sample container for metals analysis, however; the pH did not meet the method requirement of <2 s.u. Additional preservative was added to lower the pH to <2 s.u. The sample pH remained above the method requirement and the sample was analyzed from an inadequately preserved sample container. The associated detected sample result was qualified as estimated; biased low (see Table 4).

Sample chain of custody documents and the analytical report were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

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 study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch and results are reported in the laboratory data package.

All method blank results were non-detect or below the method quantitation limit (MQL), indicating that laboratory contamination was not a factor for this investigation.

4.5 Internal Standard and Surrogate Spike Recoveries

Recoveries of internal standards are addressed in the LRC of the data packages. All internal standard recoveries associated with the compounds of interest were acceptable per the LRC.

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) are spiked with surrogate compounds prior to sample extraction and 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 10 percent. Samples analyzed at elevated sample dilutions (5 times or greater) were not assessed.

Surrogate recoveries were assessed against laboratory control limits and/or the guidance in TRRP-13. All surrogate recoveries met the above criteria.

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 study, LCS or LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS or LCS/LCSD contained all analytes specified in the methods. All LCS recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision (where applicable) with the following exceptions:

i) An LCS was reported with an elevated recovery for chlorobenzene. All associated sample results were non-detect and were not affected by the indicated high bias. No further action was required.

ii) Several LCS were reported with elevated recoveries for bis(2-ethylhexyl) phthalate and/or di-n-butyl phthalate. All associated sample results were non-detect and were not affected by the indicated high bias. No further action was required.

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/matrix spike duplicate (MSD) samples. The RPD between the MS and MSD is used to assess analytical precision.

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/MSD samples were spiked with all analytes specified in the methods. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with the following exceptions:

i) An MS/MSD was reported with elevated recoveries for vinyl chloride due to possible matrix interferences and were not assessed. No further actions were required.

ii) Multiple MS/MSDs were reported with elevated recoveries and/or elevated RPDs for SVOCs analyses due to possible matrix interferences and were not assessed. No further actions were required.

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 study, duplicate samples were prepared and analyzed by the laboratory as specified in Table 1 for metals analysis. The relative percent differences (RPD) established by the laboratory are adopted as the acceptance criteria for the project.

All duplicate analyses performed were acceptable, 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 8 trip blank samples, 13 field blank samples, and 6 field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, 8 trip blank samples were 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, 13 field blank samples were submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest with the following exceptions (see Table 5):

i) WG-1620-FB03-20220713, WG-1620-FB04-20220714, WG-1620-FB05-20220717, WG-1620-FB06-20220718, WG-1620-FB07-20220719, WG-1620-FB09-20220722, WG-1620-FB10-20220724, WG-1620-FB11-20220725 (HS22071384), and WG-1620-FB12-20220726 were reported with low level detections for the following analytes: 2-chloronaphthalene, 2-methylnaphthalene, 4-nitrophenol, acenaphthene, anthracene, bis(2-ethylhexyl)phthalate (DEHP)**,** dibenzofuran, di-n-butylphthalate (DBP), fluoranthene, fluorene, naphthalene, naphthalene, phenanthrene, pyrene, and/or arsenic. Associated sample results that were either significantly greater than the field blank detections or were non-detect would not be affected. No further action was required. Associated sample results with comparable concentrations to the field blank detections were qualified as non-detect.

ii) WG-1620-FB11-20220725 (HS22071321) was taken prior to WG-1620-FB11-20220725 (HS22071384) and no project samples were sampled between these two samples. As a result, WG-1620-FB11-20220725 (HS22071321) was not assessed. No further action was required.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, 6 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 30 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. All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision with the following exceptions (see Table 6):

i) WG-1620-MW21C-20220719 and WG-1620-FD01-20220719 did show variability in SVOCs results and were qualified as estimated.

ii) WG-1620-MW83B-20220720 and WG-1620-FD02-20220720 show variability in SVOCs and arsenic results and were qualified as estimated.

iii) WG-1620-MW33A-20220721 and WG-1620-FD04-20220721 did show some variability in naphthalene and arsenic results and were qualified as estimated.

4.10 Field Procedures

Golder Associates, Inc. collected groundwater samples in accordance with their Standard Operating Procedures (SOP) for sample collection.

5. Analyte Reporting

The laboratory reported detected results for each analyte down to the sample detection limit (SDL), which is defined as the 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 elsewhere in this memorandum.

i) Multiple samples were analyzed at the lowest practical sample dilutions for VOCs and SVOCs analyses due to high levels of matrix interference or high concentrations of target and/or non-target compounds resulting in elevated reporting limits. No further action was required.

ii) HS22071151: After client review and a request to verify the original VOCs results for WG-1620-MW32AR-20220721 and WG-1620-MW32B-20220721, it was determined the laboratory mislabeled these samples in the analytical sequence. HS22071151 was revised to switch the VOCs results for these samples. No further action was required.

All detectability check standard (DCS) results supported the laboratory method detection limits (MDL).

6. 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 by providing current concentrations of the chemicals of concern in groundwater samples at the site with the specific qualifications noted herein.

Regards

Chris G. Knight
Data Management Team – Data Validator

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-MW20A-20220711	MW-20A	Water	07/11/2022	09:20	X	X	X	MS/MSD-P; DUP
WG-1620-MW14-20220711	MW-14	Water	07/11/2022	10:15	X	X	X	
WG-1620-MW40B-20220711	MW-40B	Water	07/11/2022	11:10	X	X	X	
WG-1620-MW42B-20220711	MW-42B	Water	07/11/2022	12:05	X	X	X	
WG-1620-MW13-20220711	MW-13	Water	07/11/2022	13:00	X	X	X	
WG-1620-MW39B-20220711	MW-39B	Water	07/11/2022	13:55	X	X	X	
WG-1620-MW15B-20220711	MW-15B	Water	07/11/2022	14:50	X	X	X	
WG-1620-MW15C-20220711	MW-15C	Water	07/11/2022	15:45	X	X	X	
WG-1620-MW15A-20220711	MW-15A	Water	07/11/2022	16:45	X	X	X	
WG-1620-MW88C-20220711	MW-88C	Water	07/11/2022	17:45	X	X	X	
WG-1620-FB01-20220711	-	Water	07/11/2022	18:15	X	X	X	Field Blank
WG-1620-TB01-20220711	-	Water	07/11/2022	-	X			Trip Blank
WG-1620-FB02-20220712	-	Water	07/12/2022	07:15	X	X	X	Field Blank
WG-1620-MW18C-20220712	MW-18C	Water	07/12/2022	08:15	X	X	X	
WG-1620-MW18A-20220712	MW-18A	Water	07/12/2022	09:05	X	X	X	MS/MSD-P; DUP
WG-1620-MW58A-20220712	MW-58A	Water	07/12/2022	10:00	X	X	X	
WG-1620-MW57A-20220712	MW-57A	Water	07/12/2022	10:55	X	X	X	
WG-1620-MW57B-20220712	MW-57B	Water	07/12/2022	11:45	X	X	X	
WG-1620-MW19C-20220712	MW-19C	Water	07/12/2022	13:15	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-MW72B-20220712	MW-72B	Water	07/12/2022	14:20	X	X	X	
WG-1620-MW23C-20220712	MW-23C	Water	07/12/2022	15:15	X	X	X	
WG-1620-MW17-20220712	MW-17	Water	07/12/2022	16:10	X	X	X	MS/MSD-P
WG-1620-MW17C-20220712	MW-17C	Water	07/12/2022	17:00	X	X	X	
WG-1620-MW88A-20220712	MW-88A	Water	07/12/2022	18:00	X	X	X	
WG-1620-TB02-20220712	-	Water	07/12/2022	-	X			Trip Blank
WG-1620-FB03-20220713	-	Water	07/13/2022	07:10	X	X	X	Field Blank
WG-1620-MW88B-20220713	MW-88B	Water	07/13/2022	08:05	X	X	X	MS/MSD; DUP
WG-1620-MW12C-20220713	MW-12C	Water	07/13/2022	09:05	X	X	X	
WG-1620-MW12A-20220713	MW-12A	Water	07/13/2022	10:00	X	X	X	
WG-1620-TW41B-20220713	TW-41B	Water	07/13/2022	10:55	X	X		
WG-1620-MW62B-20220713	MW-62B	Water	07/13/2022	11:55	X	X	X	
WG-1620-P11-20220713	P-11	Water	07/13/2022	12:55	X	X	X	
WG-1620-MW05-20220713	MW-05	Water	07/13/2022	14:00	X	X	X	
WG-1620-MW64A-20220713	MW-64A	Water	07/13/2022	15:10	X	X	X	
WG-1620-MW09-20220713	MW-09	Water	07/13/2022	16:20	X	X	X	
WG-1620-MW03-20220713	MW-03	Water	07/13/2022	17:25	X	X	X	
WG-1620-FB04-20220714	-	Water	07/14/2022	07:05	X	X	X	Field Blank
WG-1620-MW04-20220714	MW-04	Water	07/14/2022	07:55	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-MW78A-20220714	MW-78A	Water	07/14/2022	09:00	X	X	X	MS/MSD-P; DUP
WG-1620-MW85C-20220714	MW-85C	Water	07/14/2022	09:50	X	X	X	
WG-1620-MW77A-20220714	MW-77A	Water	07/14/2022	11:40	X	X	X	
WG-1620-MW76B-20220714	MW-76B	Water	07/14/2022	12:45	X	X	X	
WG-1620-MW76C-20220714	MW-76C	Water	07/14/2022	13:40	X	X	X	
WG-1620-MW97A-20220714	MW-97A	Water	07/14/2022	14:35	X	X	X	
WG-1620-MW98A-20220714	MW-98A	Water	07/14/2022	15:25	X	X	X	
WG-1620-MW98B-20220714	MW-98B	Water	07/14/2022	16:10	X	X	X	
WG-1620-MW81B-20220714	MW-81B	Water	07/14/2022	17:00	X	X	X	
WG-1620-TB03-20220714	-	Water	07/14/2022	-	X			Trip Blank
WG-1620-FB05-20220717	-	Water	07/17/2022	12:15	X	X	X	Field Blank
WG-1620-MW51C-20220717	MW-51C	Water	07/17/2022	13:20	X	X	X	
WG-1620-MW51A-20220717	MW-51A	Water	07/17/2022	14:10	X	X	X	
WG-1620-MW50B-20220717	MW-50B	Water	07/17/2022	15:05	X	X	X	
WG-1620-MW50A-20220717	MW-50A	Water	07/17/2022	16:05	X	X	X	MS/MSD; DUP
WG-1620-MW80B-20220717	MW-80B	Water	07/17/2022	17:15	X	X	X	
WG-1620-TB04-20220719	-	Water	07/17/2022	-	X			Trip Blank
WG-1620-FB06-20220718	-	Water	07/18/2022	07:00	X	X	X	Field Blank
WG-1620-MW86C-2022071	MW-86C	Water	07/18/2022	07:55	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-MW79A-20220718	MW-79A	Water	07/18/2022	08:55	X	X	X	MS/MSD-P
WG-1620-MW74B-20220718	MW-74B	Water	07/18/2022	09:50	X	X	X	
WG-1620-MW60AR-20220718	MW-60AR	Water	07/18/2022	11:00	X	X	X	
WG-1620-MW60B-20220718	MW-60B	Water	07/18/2022	11:50	X	X	X	
WG-1620-MW59B-20220718	MW-59B	Water	07/18/2022	12:50	X	X	X	
WG-1620-MW59A-20220718	MW-59A	Water	07/18/2022	13:45	X	X	X	
WG-1620-MW48C-20220718	MW-48C	Water	07/18/2022	14:55	X	X	X	
WG-1620-MW49B-20220718	MW-49B	Water	07/18/2022	16:05	X	X	X	
WG-1620-MW49A-20220718	MW-49A	Water	07/18/2022	17:10	X	X	X	
WG-1620-MW69A-20220719	MW-69A	Water	07/19/2022	07:55	X	X	X	
WG-1620-MW21C-20220719	MW-21C	Water	07/19/2022	09:15	X	X	X	
WG-1620-FD01-20220719	MW-21C	Water	07/19/2022	09:15	X	X	X	Field duplicate of MW-21C
WG-1620-MW27C-20220719	MW-27C	Water	07/19/2022	10:25	X	X	X	MS/MSD-P; DUP
WG-1620-MW27A-20220719	MW-27A	Water	07/19/2022	11:05	X	X	X	
WG-1620-MW99C-20220719	MW-99C	Water	07/19/2022	12:20	X	X	X	
WG-1620-MW54B-20220719	MW-54B	Water	07/19/2022	13:10	X	X	X	
WG-1620-MW68A-20220719	MW-68A	Water	07/19/2022	14:15	X	X	X	
WG-1620-MW68B-20220719	MW-68B	Water	07/19/2022	15:00	X	X	X	
WG-1620-MW68C-20220719	MW-68C	Water	07/19/2022	15:50	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-MW33BR-20220719	MW-33BR	Water	07/19/2022	16:55	X	X	X	
WG-1620-FB07-20220719	-	Water	07/19/2022	17:20	X	X	X	Field Blank
WG-1620-FB08-20220720	-	Water	07/20/2022	07:05	X	X	X	Field Blank
WG-1620-MW26A-20220720	MW-26A	Water	07/20/2022	08:05	X	X	X	
WG-1620-MW83C-20220720	MW-83C	Water	07/20/2022	09:00	X	X	X	
WG-1620-MW83B-20220720	MW-83B	Water	07/20/2022	09:50	X	X	X	
WG-1620-FD02-20220720	MW-83B	Water	07/20/2022	09:50	X	X	X	Field duplicate of MW-83B
WG-1620-MW35B-20220720	MW-35B	Water	07/20/2022	10:55	X	X	X	
WG-1620-MW35A-20220720	MW-35A	Water	07/20/2022	12:55	X	X	X	
WG-1620-MW28C-20220720	MW-28C	Water	07/20/2022	14:05	X	X	X	MS/MSD; DUP
WG-1620-MW28A-20220720	MW-28A	Water	07/20/2022	15:00	X	X	X	
WG-1620-MW89B-20220720	MW-89B	Water	07/20/2022	16:00	X	X	X	
WG-1620-MW53C-20220720	MW-53C	Water	07/20/2022	17:05	X	X	X	
WG-1620-MW46C-20220720	MW-46C	Water	07/20/2022	18:10	X	X	X	
WG-1620-MW44C-20220721	MW-44C	Water	07/21/2022	07:55	X	X	X	
WG-1620-MW36B-20220721	MW-36B	Water	07/21/2022	08:55	X	X	X	
WG-1620-FD03-20220721	MW-36B	Water	07/21/2022	08:55	X	X	X	Field duplicate of MW-36B
WG-1620-MW71B-20220721	MW-71B	Water	07/21/2022	09:55	X	X	X	
WG-1620-MW63B-20220721	MW-63B	Water	07/21/2022	10:50	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-MW33A-20220721	MW-33A	Water	07/21/2022	12:50	X	X	X	MS/MSD-P; DUP
WG-1620-FD04-20220721	MW-33A	Water	07/21/2022	12:50	X	X	X	Field duplicate of MW-33A
WG-1620-MW70C-20220721	MW-70C	Water	07/21/2022	13:35	X	X	X	
WG-1620-MW70B-20220721	MW-70B	Water	07/21/2022	14:25	X	X	X	
WG-1620-MW32AR-20220721	MW-32AR	Water	07/21/2022	15:10	X	X	X	
WG-1620-MW32B-20220721	MW-32B	Water	07/21/2022	16:00	X	X	X	
WG-1620-TB06-20220721	-	Water	07/21/2022	-	X			Trip Blank
WG-1620-FB09-20220722	-	Water	07/22/2022	07:15	X	X	X	Field Blank
WG-1620-MW96B-20220722	MW-96B	Water	07/22/2022	08:05	X	X	X	
WG-1620-MW95A-20220722	MW-95A	Water	07/22/2022	09:05	X	X	X	
WG-1620-MW61B-20220722	MW-61B	Water	07/22/2022	10:15	X	X	X	
WG-1620-MW61A-20220722	MW-61A	Water	07/22/2022	11:05	X	X	X	MS/MSD; DUP
WG-1620-FB10-20220724	-	Water	07/24/2022	12:15	X	X	X	Field Blank
WG-1620-MW47C-20220724	MW-47C	Water	07/24/2022	12:45	X	X	X	
WG-1620-MW47A-20220724	MW-47A	Water	07/24/2022	13:40	X	X	X	
WG-1620-MW34CR-20220724	MW-34CR	Water	07/24/2022	14:45	X	X	X	
WG-1620-MW12B-20220724	MW-12B	Water	07/24/2022	16:00	X	X	X	
WG-1620-MW41B-20220724	MW-41B	Water	07/24/2022	17:10	X	X	X	
WG-1620-TB07-20220724	-	Water	07/24/2022	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-FB11-20220725	-	Water	07/25/2022	07:10	X	X	X	Field Blank
WG-1620-FB11-20220725	-	Water	07/25/2022	08:05	X	X	X	Field Blank
WG-1620-MW54C-20220725	MW-54C	Water	07/25/2022	08:05	X	X	X	
WG-1620-MW25A-20220725	MW-25A	Water	07/25/2022	09:05	X	X	X	
WG-1620-MW25C-20220725	MW-25C	Water	07/25/2022	09:55	X	X	X	
WG-1620-MW44A-20220725	MW-44A	Water	07/25/2022	10:50	X	X	X	
WG-1620-MW45C-20220725	MW-45C	Water	07/25/2022	11:40	X	X	X	
WG-1620-TB08-20220725	-	Water	07/25/2022	-	X			Trip Blank
WG-1620-MW38A-20220726	MW-38A	Water	07/26/2022	08:05	X	X	X	
WG-1620-MW38B-20220726	MW-38B	Water	07/26/2022	09:00	X	X	X	
WG-1620-MW22BR-20220726	MW-22BR	Water	07/26/2022	10:05	X	X	X	
WG-1620-MW22AR-20220726	MW-22AR	Water	07/26/2022	11:00	X	X	X	
WG-1620-MW94A-20220726	MW-94A	Water	07/26/2022	13:10	X	X	X	MS/MSD-P; DUP
WG-1620-MW93B-20220726	MW-93B	Water	07/26/2022	14:15	X	X	X	MS/MSD-P
WG-1620-MW92B-20220726	MW-92B	Water	07/26/2022	15:15	X	X	X	
WG-1620-MW84B-20220726	MW-84B	Water	07/26/2022	16:15	X	X	X	
WG-1620-MW84A-20220726	MW-84A	Water	07/26/2022	17:05	X	X	X	
WG-1620-FB12-20220726	-	Water	07/26/2022	17:30	X	X	X	Field Blank
WG-1620-MW87C-20220727	MW-87C	Water	07/27/2022	07:55	X	X	X	

Table 1

Sample Collection and Analysis Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

					Analysis/Parameters			
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Arsenic**	**Comments**
WG-1620-MW36A-20220727	MW-36A	Water	07/27/2022	09:00	X	X	X	
WG-1620-MW91A-20220727	MW-91A	Water	07/27/2022	09:50	X	X	X	
WG-1620-FD06-20220727	MW-91A	Water	07/27/2022	09:50	X	X	X	Field duplicate of MW-91A
WG-1620-MW67B-20220727	MW-67B	Water	07/27/2022	10:50	X	X	X	MS/MSD; DUP
WG-1620-MW90B-20220727	MW-90B	Water	07/27/2022	12:25	X	X	X	
WG-1620-MW36D-20220727	MW-36D	Water	07/27/2022	13:40	X	X	X	
WG-1620-MW66D-20220727	MW-66D	Water	07/27/2022	14:50	X	X	X	
WG-1620-MW59D-20220727	MW-59D	Water	07/27/2022	16:10	X	X	X	
WG-1620-FD07-20220727	MW-59D	Water	07/27/2022	16:10	X	X	X	Field duplicate of MW-59D
WG-1620-MW65D-20220727	MW-65D	Water	07/27/2022	17:25	X	X	X	MS/MSD; DUP
WG-1620-TB09-20220727	-	Water	07/27/2022	-	X			Trip 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 - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-03	MW-04	MW-05	MW-09	MW-12A
Sample Name:		WG-1620-MW03-20220713	WG-1620-MW04-20220714	WG-1620-MW05-20220713	WG-1620-MW09-20220713	WG-1620-MW12A-20220713
Sample Date:		07/13/2022	07/14/2022	07/13/2022	07/13/2022	07/13/2022
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
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
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	0.0013
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.0040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.0058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.0042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	0.000024 J	0.060
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.0020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.0047
Acenaphthene	mg/L	<0.000027	<0.000027	<0.000027	<0.000027	0.34
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.0015
Anthracene	mg/L	0.000057 J	0.000079 J	0.000059 J	0.00020	0.027
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.0050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.0020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.0030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.00029	<0.00099	<0.000037	0.00049	<0.0037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000030	<0.000020	0.000030 J	<0.0020
Dibenzofuran	mg/L	<0.000020	0.000027 J	<0.000020	<0.000020	0.22

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-03	MW-04	MW-05	MW-09	MW-12A
Sample Name:		WG-1620-MW03-20220713	WG-1620-MW04-20220714	WG-1620-MW05-20220713	WG-1620-MW09-20220713	WG-1620-MW12A-20220713
Sample Date:		07/13/2022	07/14/2022	07/13/2022	07/13/2022	07/13/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	0.021
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	0.26
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.0025
Naphthalene	mg/L	0.000075 J	<0.000059	<0.000020	0.000040 J	<0.0020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.0024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.0079
Phenanthrene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	0.13
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.0035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	0.010
Metals						
Arsenic	mg/L	0.000640 J	0.00232	0.00519	0.000720 J	0.000421 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-12B	MW-12C	MW-13	MW-14	MW-15A
Sample Name:		WG-1620-MW12B-20220724	WG-1620-MW12C-20220713	WG-1620-MW13-20220711	WG-1620-MW14-20220711	WG-1620-MW15A-20220711
Sample Date:		07/24/2022	07/13/2022	07/11/2022	07/11/2022	07/11/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.0030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.0086 J	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.0056 J	<0.00030	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.042	0.061	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.021	0.000023 J	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	1.0	0.000077 J	0.000076 J	0.000084 J	0.00016
4,6-Dinitro-2-methylphenol	mg/L	<0.020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.95	0.000055 J	<0.000027	<0.000027	0.058
Acenaphthylene	mg/L	0.039 J	<0.000015	<0.000015	<0.000015	0.00034
Anthracene	mg/L	0.37	0.000025 J	0.000084 J	<0.000014	0.00076
Benzo(a)anthracene	mg/L	0.21	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.037	0.00033	0.00037	<0.000037	0.000051 J
Chrysene	mg/L	0.14	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.020	<0.000020	0.000028 J	<0.000020	<0.000020
Dibenzofuran	mg/L	0.90	0.000052 J	<0.000020	<0.000020	0.0077

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-12B	MW-12C	MW-13	MW-14	MW-15A
Sample Name:		WG-1620-MW12B-20220724	WG-1620-MW12C-20220713	WG-1620-MW13-20220711	WG-1620-MW14-20220711	WG-1620-MW15A-20220711
Sample Date:		07/24/2022	07/13/2022	07/11/2022	07/11/2022	07/11/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	1.2	<0.000013	0.000023 J	<0.000010	0.0011
Fluorene	mg/L	1.0	<0.000030	0.000060 J	<0.000030	0.016
N-Nitrosodiphenylamine	mg/L	<0.025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	3.9	0.00068	0.00015	0.00036	0.00012
Nitrobenzene	mg/L	<0.024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	2.7	0.000051 J	0.000059 J	<0.000021	0.00068
Phenol	mg/L	<0.035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.65	<0.000019	0.000055 J	<0.000019	0.00056
Metals						
Arsenic	mg/L	0.0388	0.00224	0.00472	0.000633 J	0.0248

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-15B	MW-15C	MW-17	MW-17C	MW-18A
Sample Name:		WG-1620-MW15B-20220711	WG-1620-MW15C-20220711	WG-1620-MW17-20220712	WG-1620-MW17C-20220712	WG-1620-MW18A-20220712
Sample Date:		07/11/2022	07/11/2022	07/12/2022	07/12/2022	07/12/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.0019	0.00042 J	0.50	0.0081	0.54
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.18	0.017	0.17
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	0.00024 J	0.75	0.0057	0.027
Vinyl chloride	mg/L	--	--	--	<0.00020	0.0024
Xylenes (total)	mg/L	<0.00030	<0.00030	0.56	0.022	0.14
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.0021	<0.0021	<0.0010
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	4.8	0.64	3.3
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.0058	<0.0058	<0.0029
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.0042	<0.0042	<0.0021
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.0021	<0.0021	<0.0010
2-Methylnaphthalene	mg/L	0.023	<0.000019	0.37	0.016	0.40
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.0020	<0.0020	<0.0010
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.0047	<0.0047	0.026 J
Acenaphthene	mg/L	0.039	0.0034	0.15	0.042	0.25
Acenaphthylene	mg/L	0.00016	0.00024	0.0047 J	<0.0015	0.0080
Anthracene	mg/L	0.0027	0.000036 J	0.014	0.0023 J	0.0091
Benzo(a)anthracene	mg/L	0.00026	<0.000050	<0.0050	<0.0050	<0.0025
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.0020	<0.0020	<0.0010
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.0030	<0.0030	<0.0015
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.000094 J	0.000058 J	<0.0037	<0.0037	<0.0018
Chrysene	mg/L	0.00027	<0.000021	<0.0021	<0.0021	<0.0010
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.0020	<0.0020	<0.0010
Dibenzofuran	mg/L	0.018	0.00097	0.11	0.031	0.16

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-15B	MW-15C	MW-17	MW-17C	MW-18A
Sample Name:		WG-1620-MW15B-20220711	WG-1620-MW15C-20220711	WG-1620-MW17-20220712	WG-1620-MW17C-20220712	WG-1620-MW18A-20220712
Sample Date:		07/11/2022	07/11/2022	07/12/2022	07/12/2022	07/12/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.0056	0.00035	0.0098 J	0.0012 J	0.0026 J
Fluorene	mg/L	0.018	0.00014	0.071	0.017	0.12
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.0025	<0.0025	<0.0012
Naphthalene	mg/L	0.28	0.00025	13	0.25	4.2
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.0024	<0.0024	<0.0012
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.0079	<0.0079	<0.0040
Phenanthrene	mg/L	0.019	0.000070 J	0.068	0.016	0.087
Phenol	mg/L	<0.000035	<0.000035	8.4	<0.0035	<0.0018
Pyrene	mg/L	0.0032	0.00033	0.0058 J	<0.0019	0.0011 J
Metals						
Arsenic	mg/L	0.0134	0.000921 J	0.0483	0.000869 J	0.0252

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-18C	MW-19C	MW-20A	MW-21C	MW-21C
Sample Name:		WG-1620-MW18C-20220712	WG-1620-MW19C-20220712	WG-1620-MW20A-20220711	WG-1620-MW21C-20220719	WG-1620-FD01-20220719
Sample Date:		07/12/2022	07/12/2022	07/11/2022	07/19/2022	07/19/2022
						Duplicate
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.98	0.0017	0.0082	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.25	0.0019	0.031	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	0.70	0.0017	0.0013	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.76	0.0035	0.025	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.0010	0.000050 J	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	0.0092 J	<0.000040	0.0015	<0.000040	0.000064 J
2,4-Dinitrotoluene	mg/L	<0.0029	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	0.030	0.00076	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	0.0025 J	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.32	<0.000019	0.25	0.00038 J	0.00012 J
4,6-Dinitro-2-methylphenol	mg/L	<0.0010	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.0024	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.12	0.00096	0.18	0.00019 J	0.000036 J
Acenaphthylene	mg/L	0.0046 J	<0.000015	0.00096	<0.000015	<0.000015
Anthracene	mg/L	<0.00070	0.000059 J	0.0044	0.00016 J	<0.000014 J
Benzo(a)anthracene	mg/L	<0.0025	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.0010	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.0015	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0018	0.00031	0.000075 J	<0.000037	<0.000037
Chrysene	mg/L	<0.0010	0.000027 J	<0.000021	0.000048 J	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.0010	0.000026 J	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.11	0.00042	0.11	0.00029 J	0.000046 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-18C	MW-19C	MW-20A	MW-21C	MW-21C
Sample Name:		WG-1620-MW18C-20220712	WG-1620-MW19C-20220712	WG-1620-MW20A-20220711	WG-1620-MW21C-20220719	WG-1620-FD01-20220719
Sample Date:		07/12/2022	07/12/2022	07/11/2022	07/19/2022	07/19/2022
						Duplicate
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.0081	0.00032	0.00085	0.00032 J	0.000011 J
Fluorene	mg/L	0.058	0.00032	0.088	0.00028 J	<0.000030 J
N-Nitrosodiphenylamine	mg/L	<0.0012	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	10	0.00015	2.9	0.0017	0.0016
Nitrobenzene	mg/L	<0.0012	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	0.011	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.073	0.00013	0.044	0.00083 J	0.000037 J
Phenol	mg/L	<0.0018	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.0043 J	0.00044	0.00050	0.00019 J	<0.000019 J
Metals						
Arsenic	mg/L	0.00156 J	0.00142 J	0.00574	0.000835 J	0.00102 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-22AR	MW-22BR	MW-23C	MW-25A	MW-25C
Sample Name:		WG-1620-MW22AR-20220726	WG-1620-MW22BR-20220726	WG-1620-MW23C-20220712	WG-1620-MW25A-20220725	WG-1620-MW25C-20220725
Sample Date:		07/26/2022	07/26/2022	07/12/2022	07/25/2022	07/25/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020
Benzene	mg/L	<0.00020	<0.00020	0.0058	<0.00020	<0.0020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.0030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.17	<0.00030	0.031
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.010
Toluene	mg/L	<0.00020	<0.00020	0.019	<0.00020	<0.0020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.12	<0.00030	0.17
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.0021	<0.000021	<0.0021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	0.030	<0.000040	<0.0040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.0058	<0.000058	<0.0058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.0042	<0.000042	<0.0042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.0021	<0.000021	<0.0021
2-Methylnaphthalene	mg/L	<0.00075	<0.00032	0.82	<0.00011	<0.36
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.0020	<0.000020	<0.0020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.0047	<0.000047	<0.0047
Acenaphthene	mg/L	0.0019	<0.00019	0.81	<0.000027	<0.14
Acenaphthylene	mg/L	<0.000015	<0.000015	0.012	<0.000015	<0.0015
Anthracene	mg/L	0.00061	<0.00014	0.22	<0.000014	<0.014
Benzo(a)anthracene	mg/L	0.000099 J	<0.000050	0.057	<0.000050	<0.0050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	0.016	<0.000020	<0.0020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.0030	<0.000030	<0.0030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.0037	<0.000037	<0.0037
Chrysene	mg/L	0.000060 J	<0.000021	0.051	<0.000021	<0.0021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.0020	<0.000020	<0.0020
Dibenzofuran	mg/L	<0.00051	<0.00020	0.79	<0.000020	<0.12

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		**MW-22AR**	**MW-22BR**	**MW-23C**	**MW-25A**	**MW-25C**
Sample Name:		**WG-1620-MW22AR-20220726**	**WG-1620-MW22BR-20220726**	**WG-1620-MW23C-20220712**	**WG-1620-MW25A-20220725**	**WG-1620-MW25C-20220725**
Sample Date:		**07/26/2022**	**07/26/2022**	**07/12/2022**	**07/25/2022**	**07/25/2022**
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.0012	<0.00025	0.45	<0.000010	<0.011
Fluorene	mg/L	<0.00060	<0.00014	0.50	<0.000030	<0.063
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.0025	<0.000025	<0.0025
Naphthalene	mg/L	0.0024	0.0014	9.9	<0.0010	<2.6
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.0024	<0.000024	<0.0024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.0079	<0.000079	<0.0079
Phenanthrene	mg/L	<0.0016	<0.00049	2.0	<0.000021	<0.096
Phenol	mg/L	<0.000035	<0.000035	<0.0035	<0.000035	<0.0035
Pyrene	mg/L	0.00075	<0.00018	0.30	<0.000019	<0.0079
Metals						
Arsenic	mg/L	0.00360	0.00357	0.00255	<0.00163	0.0151

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-26A	MW-27A	MW-27C	MW-28A	MW-28C
Sample Name:		WG-1620-MW26A-20220720	WG-1620-MW27A-20220719	WG-1620-MW27C-20220719	WG-1620-MW28A-20220720	WG-1620-MW28C-20220720
Sample Date:		07/20/2022	07/19/2022	07/19/2022	07/20/2022	07/20/2022
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
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
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	0.00011	<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	0.000050 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	0.000052 J	0.000067 J	0.000091 J
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.000039 J	<0.000020	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-26A	MW-27A	MW-27C	MW-28A	MW-28C
Sample Name:		WG-1620-MW26A-20220720	WG-1620-MW27A-20220719	WG-1620-MW27C-20220719	WG-1620-MW28A-20220720	WG-1620-MW28C-20220720
Sample Date:		07/20/2022	07/19/2022	07/19/2022	07/20/2022	07/20/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.00021	<0.000010	0.000033 J	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	0.000054 J	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000020	<0.000063	0.000083 J	<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	0.00023	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.000099 J	<0.000019	0.000023 J	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.0658	<0.000400	<0.000400	0.00134 J	0.00137 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-32AR	MW-32B	MW-33A	MW-33A	MW-33BR
Sample Name:		WG-1620-MW32AR-20220721	WG-1620-MW32B-20220721	WG-1620-MW33A-20220721	WG-1620-FD04-20220721	WG-1620-MW33BR-20220719
Sample Date:		07/21/2022	07/21/2022	07/21/2022	07/21/2022	07/19/2022
					Duplicate	
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.010	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	3.4	<0.00020	<0.00020	0.36
Chlorobenzene	mg/L	<0.00030	<0.015	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	0.70	<0.00030	<0.00030	0.10
Methylene chloride	mg/L	<0.0010	<0.050	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	2.7	<0.00020	<0.00020	0.0083
Vinyl chloride	mg/L	--	--	--	--	<0.00020
Xylenes (total)	mg/L	<0.00030	2.0	<0.00030	<0.00030	0.035
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.0021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	17	<0.000040	<0.000040	0.00026
2,4-Dinitrotoluene	mg/L	<0.000058	<0.0058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.0042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.0021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.00024	8.4	<0.000019	<0.000019	0.052
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.0020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.0047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.00046	3.7	<0.000027	<0.000027	0.0098
Acenaphthylene	mg/L	<0.000015	0.046	<0.000015	<0.000015	0.00015
Anthracene	mg/L	0.00012	2.3	<0.000014	<0.000014	0.00085
Benzo(a)anthracene	mg/L	0.000079 J	0.41	<0.000050	0.00011	0.00012
Benzo(a)pyrene	mg/L	<0.000020	0.11	<0.000020	<0.000020	0.000077 J
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.0030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.0037	<0.000037	<0.000037	<0.000037
Chrysene	mg/L	0.000060 J	0.40	<0.000021	0.000098 J	0.00010
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.0020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.00021	4.1	<0.000020	<0.000020	0.022

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-32AR	MW-32B	MW-33A	MW-33A	MW-33BR
Sample Name:		WG-1620-MW32AR-20220721	WG-1620-MW32B-20220721	WG-1620-MW33A-20220721	WG-1620-FD04-20220721	WG-1620-MW33BR-20220719
Sample Date:		07/21/2022	07/21/2022	07/21/2022	07/21/2022	07/19/2022
					Duplicate	
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.00023	3.1	0.000051 J	0.00047	0.00039
Fluorene	mg/L	0.00017	3.2	<0.000030	<0.000030	0.0054
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.0025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	0.0012	46	0.00013 J	0.00024 J	0.88
Nitrobenzene	mg/L	<0.000024	<0.0024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.0079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.00042	11	<0.000021	<0.000021	0.0073
Phenol	mg/L	<0.000035	14	<0.000035	<0.000035	0.00023
Pyrene	mg/L	0.0013	2.0	0.000034 J	0.0013	0.00025
Metals						
Arsenic	mg/L	0.169	0.00186 J	0.0109 J	0.00493 J	0.000904 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:	MW-34CR	MW-35A	MW-35B	MW-36A	MW-36B
Sample Name:	WG-1620-MW34CR-20220724	WG-1620-MW35A-20220720	WG-1620-MW35B-20220720	WG-1620-MW36A-20220727	WG-1620-MW36B-20220721
Sample Date:	07/24/2022	07/20/2022	07/20/2022	07/27/2022	07/21/2022
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	0.089	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.0034	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	0.0017	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.013	<0.00030	<0.00030
Semi-volatile Organic Compounds					
1,2-Diphenylhydrazine	mg/L	0.000026 J	<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	<0.000058	0.000080 J	0.075	0.000023 J	<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	0.000038 J	0.000095 J	0.075	<0.000027	<0.000027
Acenaphthylene	mg/L	0.000096 J	<0.000015	0.00048	<0.000015	<0.000015
Anthracene	mg/L	0.00014	<0.000014	0.014	0.000016 J	<0.000014
Benzo(a)anthracene	mg/L	0.000094 J	<0.000050	0.00061	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	0.00019	<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	0.000070 J	0.00012 J	<0.000037	<0.000037
Chrysene	mg/L	0.00011	<0.000021	0.00057	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000046	0.00019	0.093	0.000030 J	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-34CR	MW-35A	MW-35B	MW-36A	MW-36B
Sample Name:		WG-1620-MW34CR-20220724	WG-1620-MW35A-20220720	WG-1620-MW35B-20220720	WG-1620-MW36A-20220727	WG-1620-MW36B-20220721
Sample Date:		07/24/2022	07/20/2022	07/20/2022	07/27/2022	07/21/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.00020	0.00011	0.0099	0.000023 J	<0.000010
Fluorene	mg/L	<0.000050	0.00021	0.051	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.00027	0.000093 J	0.0051	0.000054 J	<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	<0.00014	<0.000021	0.098	0.000052 J	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.00021	0.00013	0.0057	0.000025 J	<0.000019
Metals						
Arsenic	mg/L	<0.000400	0.0921	0.00379	0.000964 J	0.000881 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-36B	MW-36D	MW-38A	MW-38B	MW-39B
Sample Name:		WG-1620-FD03-20220721	WG-1620-MW36D-20220727	WG-1620-MW38A-20220726	WG-1620-MW38B-20220726	WG-1620-MW39B-20220711
Sample Date:		07/21/2022	07/27/2022	07/26/2022	07/26/2022	07/11/2022
		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
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
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	<0.00044	<0.000070	0.00037
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	0.0015	<0.000027	0.0025
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	<0.00027	<0.000071	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	0.00014 J	<0.000037	0.000068 J
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.00022	<0.000020	0.00028

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-36B	MW-36D	MW-38A	MW-38B	MW-39B
Sample Name:		WG-1620-FD03-20220721	WG-1620-MW36D-20220727	WG-1620-MW38A-20220726	WG-1620-MW38B-20220726	WG-1620-MW39B-20220711
Sample Date:		07/21/2022	07/27/2022	07/26/2022	07/26/2022	07/11/2022
		Duplicate				
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	<0.00016	<0.000010	0.00027
Fluorene	mg/L	<0.000030	<0.000030	<0.00043	<0.000030	0.00050
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000020	0.0019	<0.00016	0.0027
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	<0.00038	<0.000032	0.00026
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.00014	<0.000019	0.00026
Metals						
Arsenic	mg/L	0.000865 J	0.000425 J	0.0334	0.00692	0.0134

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-40B	MW-41B	MW-42B	MW-44A	MW-44C
Sample Name:		WG-1620-MW40B-20220711	WG-1620-MW41B-20220724	WG-1620-MW42B-20220711	WG-1620-MW44A-20220725	WG-1620-MW44C-20220721
Sample Date:		07/11/2022	07/24/2022	07/11/2022	07/25/2022	07/21/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.0084	0.011	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.0030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.080	0.052	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	0.015	0.042	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.11	0.12	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.040	<0.000040	<0.00040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	mg/L	0.099	0.88	0.000053 J	<0.00019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.020	<0.000020	<0.00020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.047	<0.000047	<0.00047	<0.000047
Acenaphthene	mg/L	0.14	0.61	0.00016	<0.058	<0.000027
Acenaphthylene	mg/L	0.00099	<0.015	<0.000015	<0.00015	<0.000015
Anthracene	mg/L	0.0079	0.13	<0.000014	<0.00077	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.050	<0.000050	<0.00050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.020	<0.000020	<0.00020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.030	<0.000030	<0.00030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.000077 J	<0.037	0.000084 J	<0.00037	<0.000037
Chrysene	mg/L	<0.000021	<0.021	<0.000021	<0.00021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.020	<0.000020	<0.00020	<0.000020
Dibenzofuran	mg/L	0.073	0.55	<0.000020	<0.0013	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-40B	MW-41B	MW-42B	MW-44A	MW-44C
Sample Name:		WG-1620-MW40B-20220711	WG-1620-MW41B-20220724	WG-1620-MW42B-20220711	WG-1620-MW44A-20220725	WG-1620-MW44C-20220721
Sample Date:		07/11/2022	07/24/2022	07/11/2022	07/25/2022	07/21/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.0037	0.35	0.000090 J	<0.0053	<0.000010
Fluorene	mg/L	0.072	0.57	0.000051 J	<0.013	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.025	<0.000025	<0.00025	<0.000025
Naphthalene	mg/L	2.5	10	0.00044	<0.00052	0.000050 J
Nitrobenzene	mg/L	<0.000024	<0.024	<0.000024	<0.00024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.079	<0.000079	<0.00079	<0.000079
Phenanthrene	mg/L	0.067	1.0	0.00011	<0.00082	0.000050 J
Phenol	mg/L	<0.000035	<0.035	<0.000035	<0.00035	<0.000035
Pyrene	mg/L	0.0016	0.19	0.000086 J	<0.0057	<0.000019
Metals						
Arsenic	mg/L	0.0499	0.0560	0.00137 J	0.0148	0.0500

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-45C	MW-46C	MW-47A	MW-47C	MW-48C
Sample Name:		WG-1620-MW45C-20220725	WG-1620-MW46C-20220720	WG-1620-MW47A-20220724	WG-1620-MW47C-20220724	WG-1620-MW48C-20220718
Sample Date:		07/25/2022	07/20/2022	07/24/2022	07/24/2022	07/18/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.17	0.013	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.0030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.53	0.017	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	0.38	0.0023	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	1.4	0.034	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<1.0	<0.00021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<2.0	0.020	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<2.9	<0.00058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<2.1	<0.00042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<1.0	<0.00021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	4000	0.071	<0.000019	0.00047	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<1.0	<0.00020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<2.4	<0.00047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<2500	0.081	<0.000027	0.00041	<0.000027
Acenaphthylene	mg/L	30	0.00089 J	<0.000015	0.000020 J	<0.000015
Anthracene	mg/L	1200	0.025	<0.000014	0.00032	0.000017 J
Benzo(a)anthracene	mg/L	250	0.0049	<0.000050	0.000093 J	<0.000050
Benzo(a)pyrene	mg/L	69	0.0017	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<1.5	<0.00030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<1.8	<0.00037	<0.000037	<0.000037	<0.000070
Chrysene	mg/L	210	0.0052	<0.000021	0.000069 J	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<1.0	<0.00020	<0.000020	<0.000020	0.000043 J
Dibenzofuran	mg/L	<2300	0.065	<0.000020	0.00052	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-45C	MW-46C	MW-47A	MW-47C	MW-48C
Sample Name:		WG-1620-MW45C-20220725	WG-1620-MW46C-20220720	WG-1620-MW47A-20220724	WG-1620-MW47C-20220724	WG-1620-MW48C-20220718
Sample Date:		07/25/2022	07/20/2022	07/24/2022	07/24/2022	07/18/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<2100	0.036	<0.000010	0.00050	0.000031 J
Fluorene	mg/L	<1800	0.055	<0.000030	0.00050	<0.000030
N-Nitrosodiphenylamine	mg/L	<1.2	<0.00025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	15000	0.35	<0.000065	0.0011	0.000064 J
Nitrobenzene	mg/L	<1.2	<0.00024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<4.0	<0.00079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	6400	0.12	<0.000029	0.0016	<0.000021
Phenol	mg/L	<1.8	<0.00035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	1500	0.022	<0.000019	0.00038	0.000033 J
Metals						
Arsenic	mg/L	0.0172	0.00145 J	0.00114 J	0.000690 J	0.00192 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-49A	MW-49B	MW-50A	MW-50B	MW-51A
Sample Name:		WG-1620-MW49A-20220718	WG-1620-MW49B-20220718	WG-1620-MW50A-20220717	WG-1620-MW50B-20220717	WG-1620-MW51A-20220717
Sample Date:		07/18/2022	07/18/2022	07/17/2022	07/17/2022	07/17/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.055	0.54	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.055	0.17	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	0.026	0.55	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.12	0.48	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.0021	<0.0021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	0.16	6.4	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.0058	<0.0058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.0042	<0.0042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.0021	<0.0021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.16	0.49	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.0020	<0.0020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.0047	<0.0047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.11	0.36	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	0.0030 J	0.0080 J	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	0.017	0.14	<0.000014	<0.000014	0.000038 J
Benzo(a)anthracene	mg/L	0.0054 J	0.041	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.0020	0.012	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.0030	<0.0030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0037	<0.0037	<0.000048	<0.000037	<0.000037
Chrysene	mg/L	0.0060 J	0.044	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.0020	<0.0020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.076	0.33	<0.000020	<0.000020	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-49A	MW-49B	MW-50A	MW-50B	MW-51A
Sample Name:		WG-1620-MW49A-20220718	WG-1620-MW49B-20220718	WG-1620-MW50A-20220717	WG-1620-MW50B-20220717	WG-1620-MW51A-20220717
Sample Date:		07/18/2022	07/18/2022	07/17/2022	07/17/2022	07/17/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.040	0.28	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.078	0.31	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.0025	<0.0025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	3.2	8.9	<0.000020	<0.000020	0.000065 J
Nitrobenzene	mg/L	<0.0024	<0.0024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.0079	<0.0079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.10	0.80	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.0035	0.023	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.025	0.16	<0.000019	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.00123 J	0.00798	0.000656 J	0.00165 J	0.00516

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-51C	MW-53C	MW-54B	MW-54C	MW-57A
Sample Name:		WG-1620-MW51C-20220717	WG-1620-MW53C-20220720	WG-1620-MW54B-20220719	WG-1620-MW54C-20220725	WG-1620-MW57A-20220712
Sample Date:		07/17/2022	07/20/2022	07/19/2022	07/25/2022	07/12/2022
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	0.0015
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	0.00066 J
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	0.00063 J	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	0.0011	<0.00030	<0.00030	0.0021
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	0.029
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	<0.000096	0.15
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.00020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	mg/L	<0.000027	<0.000027	<0.000027	<0.031	0.22
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	0.0048
Anthracene	mg/L	<0.000014	<0.000014	<0.000014	<0.0018	0.16
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.024
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	0.0095
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	0.00012 J	0.00064 J
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	0.000049 J	0.024
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.00020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.000020	<0.0047	0.081

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-51C	MW-53C	MW-54B	MW-54C	MW-57A
Sample Name:		WG-1620-MW51C-20220717	WG-1620-MW53C-20220720	WG-1620-MW54B-20220719	WG-1620-MW54C-20220725	WG-1620-MW57A-20220712
Sample Date:		07/17/2022	07/20/2022	07/19/2022	07/25/2022	07/12/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	<0.000010	<0.0037	0.28
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	<0.016	0.15
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Naphthalene	mg/L	0.000061 J	<0.000020	<0.000020	<0.00100	0.17
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	mg/L	<0.000021	<0.000021	<0.000021	<0.00026	0.32
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.0019	0.16
Metals						
Arsenic	mg/L	<0.000400	0.000568 J	<0.000400	<0.00161	0.0157

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-57B	MW-58A	MW-59A	MW-59B	MW-59D
Sample Name:		WG-1620-MW57B-20220712	WG-1620-MW58A-20220712	WG-1620-MW59A-20220718	WG-1620-MW59B-20220718	WG-1620-MW59D-20220727
Sample Date:		07/12/2022	07/12/2022	07/18/2022	07/18/2022	07/27/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	1.1	0.0092	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.31	0.00056 J	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	1.0	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.87	0.0053	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.0021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.0058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.0042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.0021	0.000066 J	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.61	0.0088	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	mg/L	<0.0020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.0047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.22	0.089	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.0015	0.00073	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	0.023	0.0054	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.0050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.0020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.0030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0037	0.00046	<0.000046	<0.000049	<0.000037
Chrysene	mg/L	<0.0021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.0020	<0.000020	0.000021 J	<0.000020	<0.000020
Dibenzofuran	mg/L	0.18	0.0043	<0.000020	<0.000020	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-57B	MW-58A	MW-59A	MW-59B	MW-59D
Sample Name:		WG-1620-MW57B-20220712	WG-1620-MW58A-20220712	WG-1620-MW59A-20220718	WG-1620-MW59B-20220718	WG-1620-MW59D-20220727
Sample Date:		07/12/2022	07/12/2022	07/18/2022	07/18/2022	07/27/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.023	0.0049	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.11	0.055	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.0025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	15	0.014	0.000028 J	0.000048 J	<0.000020
Nitrobenzene	mg/L	<0.0024	0.0010	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.0079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.13	0.023	<0.000021	<0.000021	<0.000021
Phenol	mg/L	0.50	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.011	0.0020	<0.000019	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.00142 J	0.00459	0.0120	0.0147	0.000721 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-59D	MW-60AR	MW-60B	MW-61A	MW-61B
Sample Name:		WG-1620-FD07-20220727	WG-1620-MW60AR-2022071	WG-1620-MW60B-20220718	WG-1620-MW61A-20220722	WG-1620-MW61B-20220722
Sample Date:		07/27/2022	07/18/2022	07/18/2022	07/22/2022	07/22/2022
		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
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
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	0.000020 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	<0.000027	<0.000027	0.000047 J	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	0.000076 J	<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	<0.000064	<0.000068	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
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	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-59D	MW-60AR	MW-60B	MW-61A	MW-61B
Sample Name:		WG-1620-FD07-20220727	WG-1620-MW60AR-2022071	WG-1620-MW60B-20220718	WG-1620-MW61A-20220722	WG-1620-MW61B-20220722
Sample Date:		07/27/2022	07/18/2022	07/18/2022	07/22/2022	07/22/2022
		Duplicate				
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	0.000028 J	0.000017 J	0.000020 J	0.000025 J
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	0.000084 J	0.00020	0.00013	<0.000061	<0.000068
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	0.000093 J	0.000039 J	0.000038 J	<0.000027	<0.000029
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	0.000020 J	<0.000019	0.000022 J	0.000025 J
Metals						
Arsenic	mg/L	0.000622 J	0.000994 J	0.000707 J	<0.000400	<0.000400

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-62B	MW-63B	MW-64A	MW-65D	MW-66D
Sample Name:		WG-1620-MW62B-20220713	WG-1620-MW63B-20220721	WG-1620-MW64A-20220713	WG-1620-MW65D-20220727	WG-1620-MW66D-20220727
Sample Date:		07/13/2022	07/21/2022	07/13/2022	07/27/2022	07/27/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.0027	0.069	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.020	0.0043	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	0.0057	0.0014	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.025	0.020	<0.00030	<0.00030	<0.00030
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.0021	<0.000021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	mg/L	<0.0040	<0.000040	<0.000040	<0.000040	<0.00040
2,4-Dinitrotoluene	mg/L	<0.0058	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.0042	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	mg/L	<0.0021	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	mg/L	<0.0019	0.025	0.000022 J	<0.000019	<0.00019
4,6-Dinitro-2-methylphenol	mg/L	<0.0020	<0.000020	<0.000020	<0.000020	<0.00020
4-Nitrophenol	mg/L	<0.0047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	mg/L	0.084	0.0063	<0.000027	<0.000027	<0.00027
Acenaphthylene	mg/L	<0.0015	0.000080 J	<0.000015	<0.000015	<0.00015
Anthracene	mg/L	0.0037 J	0.00017	0.000034 J	<0.000014	<0.00014
Benzo(a)anthracene	mg/L	<0.0050	<0.000050	<0.000050	<0.000050	<0.00050
Benzo(a)pyrene	mg/L	<0.0020	<0.000020	<0.000020	<0.000020	<0.00020
bis(2-Chloroethoxy)methane	mg/L	<0.0030	<0.000030	<0.000030	<0.000030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0037	<0.000037	0.00046	<0.000037	<0.00037
Chrysene	mg/L	<0.0021	<0.000021	<0.000021	<0.000021	<0.00021
Di-n-butylphthalate (DBP)	mg/L	<0.0020	<0.000020	0.000025 J	<0.000020	<0.00020
Dibenzofuran	mg/L	0.045	0.0056	<0.000020	<0.000020	<0.00020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-62B	MW-63B	MW-64A	MW-65D	MW-66D
Sample Name:		WG-1620-MW62B-20220713	WG-1620-MW63B-20220721	WG-1620-MW64A-20220713	WG-1620-MW65D-20220727	WG-1620-MW66D-20220727
Sample Date:		07/13/2022	07/21/2022	07/13/2022	07/27/2022	07/27/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.0041	<0.000010	<0.000010	<0.000010	<0.00010
Fluorene	mg/L	0.036	0.0020	<0.000030	<0.000030	<0.00030
N-Nitrosodiphenylamine	mg/L	<0.0025	<0.000025	<0.000025	<0.000025	<0.00025
Naphthalene	mg/L	0.23	0.90	0.000069 J	<0.000020	<0.00020
Nitrobenzene	mg/L	<0.0024	<0.000024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	mg/L	<0.0079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	mg/L	0.012	0.00087	<0.000021	<0.000021	<0.00021
Phenol	mg/L	<0.0035	<0.000035	<0.000035	<0.000035	<0.00035
Pyrene	mg/L	<0.0019	<0.000019	0.000031 J	<0.000019	<0.00019
Metals						
Arsenic	mg/L	0.0418	0.00985	0.00391	0.000433 J	<0.000400

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-67B	MW-68A	MW-68B	MW-68C	MW-69A
Sample Name:		WG-1620-MW67B-20220727	WG-1620-MW68A-20220719	WG-1620-MW68B-20220719	WG-1620-MW68C-20220719	WG-1620-MW69A-20220719
Sample Date:		07/27/2022	07/19/2022	07/19/2022	07/19/2022	07/19/2022
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	0.13	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.066	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	0.046	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.40	<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	<0.000040	0.000099 J	0.046	<0.000040	<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	0.000040 J	<0.000019	0.69	0.000079 J	0.000083 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	<0.000027	<0.000027	0.25	<0.000027	0.00012
Acenaphthylene	mg/L	<0.000015	<0.000015	0.0025	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	0.055	<0.000014	0.000027 J
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	0.011	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	0.0032	<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	0.000091 J	0.00012 J
Chrysene	mg/L	<0.000021	<0.000021	0.010	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.28	<0.000020	0.000023 J

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-67B	MW-68A	MW-68B	MW-68C	MW-69A
Sample Name:		WG-1620-MW67B-20220727	WG-1620-MW68A-20220719	WG-1620-MW68B-20220719	WG-1620-MW68C-20220719	WG-1620-MW69A-20220719
Sample Date:		07/27/2022	07/19/2022	07/19/2022	07/19/2022	07/19/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	0.083	0.000030 J	0.000095 J
Fluorene	mg/L	0.000044 J	<0.000030	0.18	<0.000030	0.000058 J
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025
Naphthalene	mg/L	0.00013	<0.000035	4.9	<0.00034	<0.00011
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	<0.000021	<0.000021	0.40	0.000082 J	0.000075 J
Phenol	mg/L	<0.000035	<0.000035	0.0021	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	0.055	0.000035 J	0.000077 J
Metals						
Arsenic	mg/L	0.000814 J	0.0359	0.00957	0.000587 J	0.0234

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-70B	MW-70C	MW-71B	MW-72B	MW-74B
Sample Name:		WG-1620-MW70B-20220721	WG-1620-MW70C-20220721	WG-1620-MW71B-20220721	WG-1620-MW72B-20220712	WG-1620-MW74B-20220718
Sample Date:		07/21/2022	07/21/2022	07/21/2022	07/12/2022	07/18/2022
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.010	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	2.3	<0.00020	0.023	0.91	0.40
Chlorobenzene	mg/L	<0.015	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.75	<0.00030	<0.00030	0.21	0.19
Methylene chloride	mg/L	<0.050	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	2.4	<0.00020	<0.00020	0.73	0.41
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	2.1	<0.00030	<0.00030	0.60	0.52
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.010	<0.000021	<0.000021	<0.021	<0.0021
2,4-Dimethylphenol	mg/L	39	<0.000040	<0.000040	16	18
2,4-Dinitrotoluene	mg/L	<0.029	<0.000058	<0.000058	<0.058	<0.0058
2,6-Dinitrotoluene	mg/L	<0.021	<0.000042	<0.000042	<0.042	<0.0042
2-Chloronaphthalene	mg/L	<0.010	<0.000021	<0.000021	<0.021	<0.0021
2-Methylnaphthalene	mg/L	140	<0.000019	0.000092 J	0.42	7.4
4,6-Dinitro-2-methylphenol	mg/L	<0.010	<0.000020	<0.000020	<0.020	<0.0020
4-Nitrophenol	mg/L	<0.024	<0.000047	<0.000047	<0.047	<0.0047
Acenaphthene	mg/L	78	<0.000027	0.0040	0.15	5.5
Acenaphthylene	mg/L	0.98	<0.000015	<0.000015	<0.015	0.10
Anthracene	mg/L	39	<0.000014	0.00064	<0.014	2.1
Benzo(a)anthracene	mg/L	6.4	<0.000050	0.00017	<0.050	0.92
Benzo(a)pyrene	mg/L	1.6	<0.000020	0.000093 J	<0.020	0.29
bis(2-Chloroethoxy)methane	mg/L	<0.015	<0.000030	<0.000030	<0.030	0.098
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.018	<0.000037	0.00012 J	<0.037	<0.0037
Chrysene	mg/L	7.1	<0.000021	0.00024	<0.021	0.74
Di-n-butylphthalate (DBP)	mg/L	<0.010	<0.000020	<0.000020	<0.020	<0.0020
Dibenzofuran	mg/L	76	<0.000020	0.0020	0.11	4.8

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-70B	MW-70C	MW-71B	MW-72B	MW-74B
Sample Name:		WG-1620-MW70B-20220721	WG-1620-MW70C-20220721	WG-1620-MW71B-20220721	WG-1620-MW72B-20220712	WG-1620-MW74B-20220718
Sample Date:		07/21/2022	07/21/2022	07/21/2022	07/12/2022	07/18/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	55	<0.000010	0.00100	<0.010	6.3
Fluorene	mg/L	70	<0.000030	0.0026	0.070 J	5.6
N-Nitrosodiphenylamine	mg/L	<0.012	<0.000025	<0.000025	<0.025	<0.0025
Naphthalene	mg/L	590	0.000086 J	0.00047	9.4	48
Nitrobenzene	mg/L	<0.012	<0.000024	<0.000024	<0.024	<0.0024
Pentachlorophenol	mg/L	<0.040	<0.000079	<0.000079	<0.079	<0.0079
Phenanthrene	mg/L	200	<0.000021	0.00037	0.049 J	19
Phenol	mg/L	3.3	<0.000035	<0.000035	4.9	14
Pyrene	mg/L	37	<0.000019	0.00058	<0.019	3.2
Metals						
Arsenic	mg/L	0.00222	<0.000400	0.00138 J	0.00312	0.00284

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-76B	MW-76C	MW-77A	MW-78A	MW-79A
Sample Name:		WG-1620-MW76B-20220714	WG-1620-MW76C-20220714	WG-1620-MW77A-20220714	WG-1620-MW78A-20220714	WG-1620-MW79A-20220718
Sample Date:		07/14/2022	07/14/2022	07/14/2022	07/14/2022	07/18/2022
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	0.015	0.22	0.29
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.015	0.18	0.13
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	0.0013	0.39	0.39
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.015	0.44	0.35
Semi-volatile Organic Compounds						
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.00021	<0.0021	<0.0021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.00040	3.3	6.8
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00058	<0.0058	<0.0058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.00042	<0.0042	<0.0042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.00021	<0.0021	<0.0021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	0.063	0.58	0.18
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.00020	<0.0020	0.0024 J
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.00047	<0.0047	<0.0047
Acenaphthene	mg/L	<0.000027	<0.000027	0.047	0.31	0.083
Acenaphthylene	mg/L	<0.000015	<0.000015	0.00061 J	<0.0015	0.0033 J
Anthracene	mg/L	<0.000014	<0.000014	0.0025	0.030	<0.0014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.00050	<0.0050	<0.0050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.00020	<0.0020	<0.0020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.00030	<0.0030	<0.0030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00049	<0.00063	<0.00093	<0.0037	<0.0037
Chrysene	mg/L	<0.000021	<0.000021	<0.00021	<0.0021	<0.0021
Di-n-butylphthalate (DBP)	mg/L	<0.000021	<0.000030	<0.00020	<0.0020	<0.0020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.025	0.24	0.064

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-76B	MW-76C	MW-77A	MW-78A	MW-79A
Sample Name:		WG-1620-MW76B-20220714	WG-1620-MW76C-20220714	WG-1620-MW77A-20220714	WG-1620-MW78A-20220714	WG-1620-MW79A-20220718
Sample Date:		07/14/2022	07/14/2022	07/14/2022	07/14/2022	07/18/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	0.00042 J	0.013	0.0027 J
Fluorene	mg/L	<0.000030	<0.000030	0.025	0.19	0.040
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.00025	<0.0025	<0.0025
Naphthalene	mg/L	<0.000049	<0.000044	1.1	12	4.8
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.00024	<0.0024	<0.0024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00079	<0.0079	<0.0079
Phenanthrene	mg/L	<0.000021	<0.000021	0.013	0.18	0.028
Phenol	mg/L	<0.000035	<0.000035	<0.00035	0.035	1.6
Pyrene	mg/L	<0.000019	<0.000019	0.00027 J	0.0073 J	<0.0019
Metals						
Arsenic	mg/L	<0.000400	0.000479 J	0.0128	0.0254	0.0148

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-80B	MW-81B	MW-83B	MW-83B	MW-83C
Sample Name:		WG-1620-MW80B-20220717	WG-1620-MW81B-20220714	WG-1620-MW83B-20220720	WG-1620-FD02-20220720	WG-1620-MW83C-20220720
Sample Date:		07/17/2022	07/14/2022	07/20/2022	07/20/2022	07/20/2022
					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	0.0020 J	0.0034 J	<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
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	0.0013	0.0016	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.0097 J	0.017 J	<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	0.025	0.031	<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	0.022	0.024	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	0.00014	0.00015	<0.000015
Anthracene	mg/L	0.000032 J	<0.000014	0.0010	0.00099	<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	<0.00034	0.00011 J	<0.000037 J	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.0086	0.0084	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-80B	MW-81B	MW-83B	MW-83B	MW-83C
Sample Name:		WG-1620-MW80B-20220717	WG-1620-MW81B-20220714	WG-1620-MW83B-20220720	WG-1620-FD02-20220720	WG-1620-MW83C-20220720
Sample Date:		07/17/2022	07/14/2022	07/20/2022	07/20/2022	07/20/2022
					Duplicate	
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	0.00033 J	0.00053 J	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	0.0073	0.0069	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	0.00017	<0.000020	0.18 J	0.25 J	0.00011
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	0.0070	0.0067	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	0.00019 J	0.00032 J	<0.000019
Metals						
Arsenic	mg/L	0.00139 J	0.000454 J	0.0165 J	0.0358 J	<0.000400

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:	MW-84A	MW-84B	MW-85C	MW-86C	MW-87C
Sample Name:	WG-1620-MW84A-20220726	WG-1620-MW84B-20220726	WG-1620-MW85C-20220714	WG-1620-MW86C-2022071	WG-1620-MW87C-20220727
Sample Date:	07/26/2022	07/26/2022	07/14/2022	07/18/2022	07/27/2022
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	0.046 J	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.010	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.015	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.015	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.050	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<0.010	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.015	<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	0.00059	<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	0.000041 J	<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	<0.000030	0.00032	<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	<0.00062	<0.000067	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	0.000062 J	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-84A	MW-84B	MW-85C	MW-86C	MW-87C
Sample Name:		WG-1620-MW84A-20220726	WG-1620-MW84B-20220726	WG-1620-MW85C-20220714	WG-1620-MW86C-2022071	WG-1620-MW87C-20220727
Sample Date:		07/26/2022	07/26/2022	07/14/2022	07/18/2022	07/27/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	0.00012	<0.000010	0.000013 J
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	<0.000020	<0.000020	0.00036	0.000067 J	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	0.00029	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	<0.000021	0.000022 J	<0.000021
Phenol	mg/L	<0.000035	<0.000035	0.0011	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	0.00013	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.00328	0.00146 J	0.191 JL	0.00586	<0.000400

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:	MW-88A	MW-88B	MW-88C	MW-89B	MW-90B
Sample Name:	WG-1620-MW88A-20220712	WG-1620-MW88B-20220713	WG-1620-MW88C-20220711	WG-1620-MW89B-20220720	WG-1620-MW90B-20220727
Sample Date:	07/12/2022	07/13/2022	07/11/2022	07/20/2022	07/27/2022
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
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	0.00060 J	<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	0.00013	0.000037 J	<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	0.000032 J	0.000057 J	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	0.000079 J	0.000019 J	<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	0.00046	0.00056	0.000070 J	<0.000037	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	0.000025 J	0.000023 J	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	0.000051 J	<0.000020	<0.000020	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-88A	MW-88B	MW-88C	MW-89B	MW-90B
Sample Name:		WG-1620-MW88A-20220712	WG-1620-MW88B-20220713	WG-1620-MW88C-20220711	WG-1620-MW89B-20220720	WG-1620-MW90B-20220727
Sample Date:		07/12/2022	07/13/2022	07/11/2022	07/20/2022	07/27/2022
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	0.000080 J	<0.000010	0.000073 J	<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	<0.000020	0.0010	0.00019	0.000038 J	<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	0.000023 J	0.000054 J	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.00033	<0.000019	0.000044 J	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.00250	0.00102 J	0.000640 J	0.000693 J	0.0129

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-91A	MW-91A	MW-92B	MW-93B	MW-94A
Sample Name:		WG-1620-MW91A-20220727	WG-1620-FD06-20220727	WG-1620-MW92B-20220726	WG-1620-MW93B-20220726	WG-1620-MW94A-20220726
Sample Date:		07/27/2022	07/27/2022	07/26/2022	07/26/2022	07/26/2022
			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
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
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	<0.000061	<0.000048
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	<0.000055	<0.000060	<0.000020
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
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	<0.000033	<0.000021

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-91A	MW-91A	MW-92B	MW-93B	MW-94A
Sample Name:		WG-1620-MW91A-20220727	WG-1620-FD06-20220727	WG-1620-MW92B-20220726	WG-1620-MW93B-20220726	WG-1620-MW94A-20220726
Sample Date:		07/27/2022	07/27/2022	07/26/2022	07/26/2022	07/26/2022
			Duplicate			
Parameters	**Unit**					
Semi-volatile Organic Compounds (Continued)						
Fluoranthene	mg/L	<0.000010	<0.000010	<0.000010	<0.000033	<0.000097
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	<0.000043	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000020	<0.00021	<0.000070	<0.000098
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	<0.000041	<0.000058	<0.000064
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.000024	<0.000071
Metals						
Arsenic	mg/L	0.0217	0.0232	0.00408	0.00158 J	0.00203

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-95A	MW-96B	MW-97A	MW-98A
Sample Name:		WG-1620-MW95A-20220722	WG-1620-MW96B-20220722	WG-1620-MW97A-20220714	WG-1620-MW98A-20220714
Sample Date:		07/22/2022	07/22/2022	07/14/2022	07/14/2022
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--
Xylenes (total)	mg/L	<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
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	<0.000019	0.00054	<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	<0.000027	0.00014	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	0.000022 J	0.000040 J
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	<0.00064	<0.000037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000028	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.00018	<0.000020

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		**MW-95A**	**MW-96B**	**MW-97A**	**MW-98A**
Sample Name:		**WG-1620-MW95A-20220722**	**WG-1620-MW96B-20220722**	**WG-1620-MW97A-20220714**	**WG-1620-MW98A-20220714**
Sample Date:		**07/22/2022**	**07/22/2022**	**07/14/2022**	**07/14/2022**
Parameters	**Unit**				
Semi-volatile Organic Compounds (Continued)					
Fluoranthene	mg/L	<0.000010	0.000013 J	0.000047 J	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	0.000046 J	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000086	<0.000062	0.0035	<0.000098
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	0.000080 J	<0.000079
Phenanthrene	mg/L	<0.000027	<0.000023	0.00011	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	0.000038 J	<0.000019
Metals					
Arsenic	mg/L	<0.000400	<0.000400	0.000546 J	0.0110

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		MW-98B	MW-99C	P-11	TW-41B
Sample Name:		WG-1620-MW98B-20220714	WG-1620-MW99C-20220719	WG-1620-P11-20220713	WG-1620-TW41B-20220713
Sample Date:		07/14/2022	07/19/2022	07/13/2022	07/13/2022
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	0.0020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	0.00096 J
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<0.00020	0.0017
Vinyl chloride	mg/L	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	0.017
Semi-volatile Organic Compounds					
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.00040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	0.075
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.00020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	mg/L	<0.000027	<0.000027	0.00039	0.25
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.00015
Anthracene	mg/L	<0.000014	<0.000014	0.000020 J	0.0072
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.00050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.00020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00059	<0.000037	0.000052 J	<0.00037
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.00021
Di-n-butylphthalate (DBP)	mg/L	<0.000021	<0.000020	<0.000020	<0.00020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.000059 J	0.078

Table 2

Analytical Results Summary
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Location ID:		**MW-98B**	**MW-99C**	**P-11**	**TW-41B**
Sample Name:		**WG-1620-MW98B-20220714**	**WG-1620-MW99C-20220719**	**WG-1620-P11-20220713**	**WG-1620-TW41B-20220713**
Sample Date:		**07/14/2022**	**07/19/2022**	**07/13/2022**	**07/13/2022**
Parameters	**Unit**				
Semi-volatile Organic Compounds (Continued)					
Fluoranthene	mg/L	<0.000010	<0.000010	0.00012	0.0046
Fluorene	mg/L	<0.000030	<0.000030	0.000068 J	0.099
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	0.000100 J	<0.00025
Naphthalene	mg/L	<0.000039	<0.000020	0.00011	0.70
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	mg/L	<0.000021	<0.000021	<0.000021	0.041
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.00035
Pyrene	mg/L	<0.000019	<0.000019	0.000059 J	0.0020
Metals					
Arsenic	mg/L	0.00128 J	<0.000400	0.0444	0.0969

Notes:

< - Not detected at the associated reporting limit
J - Estimated concentration
JL - Estimated concentration; biased low
"--" - Not applicable

Table 3

Analytical Methods
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

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 6020A	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 Data Due to Insufficient Sample Preservation
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Sample ID	pH Upon Receipt at Laboratory	pH Upon Receipt at Laboratory	Required pH	Analyte	Qualified Result	Units
Metals	WG-1620-MW85C-20220714	9	6	<2	Arsenic	0.191 JL	mg/L

Notes:

JL - Estimated concentration; biased low

Table 5

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Field Blank ID	Blank Date mm/dd/yyyy	Analyte	Blank Result	Associated Sample ID	Dilution Factor	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB03-20220713	07/13/2022	Fluoranthene	0.000011 J	WG-1620-MW12C-20220713	1	0.000013 J	<0.000013	mg/L
					WG-1620-MW62B-20220713	100	0.0041 J	<0.0041	mg/L
SVOCs	WG-1620-FB04-20220714	07/14/2022	bis(2-Ethylhexyl)phthalate (DEHP)	0.00045	WG-1620-MW04-20220714	1	0.00099	<0.00099	mg/L
					WG-1620-MW76B-20220714	1	0.00049	<0.00049	mg/L
					WG-1620-MW76C-20220714	1	0.00063	<0.00063	mg/L
					WG-1620-MW77A-20220714	10	0.00093 J	<0.00093	mg/L
					WG-1620-MW81B-20220714	1	0.00034	<0.00034	mg/L
					WG-1620-MW85C-20220714	1	0.00062	<0.00062	mg/L
					WG-1620-MW97A-20220714	1	0.00064	<0.00064	mg/L
					WG-1620-MW98B-20220714	1	0.00059	<0.00059	mg/L
			Di-n-butylphthalate (DBP)	0.000032 J	WG-1620-MW04-20220714	1	0.000030 J	<0.000030	mg/L
					WG-1620-MW76B-20220714	1	0.000021 J	<0.000021	mg/L
					WG-1620-MW76C-20220714	1	0.000030 J	<0.000030	mg/L
					WG-1620-MW97A-20220714	1	0.000028 J	<0.000028	mg/L
					WG-1620-MW98B-20220714	1	0.000021 J	<0.000021	mg/L
			Naphthalene	0.000039 J	WG-1620-MW04-20220714	1	0.000059 J	<0.000059	mg/L
					WG-1620-MW76B-20220714	1	0.000049 J	<0.000049	mg/L
					WG-1620-MW76C-20220714	1	0.000044 J	<0.000044	mg/L
					WG-1620-MW98A-20220714	1	0.000098 J	<0.000098	mg/L
					WG-1620-MW98B-20220714	1	0.000039 J	<0.000039	mg/L
SVOCs	WG-1620-FB05-20220717	07/17/2022	bis(2-Ethylhexyl)phthalate (DEHP)	0.00012 J	WG-1620-MW50A-20220717	1	0.000048 J	<0.000048	mg/L

Table 5

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Field Blank ID	Blank Date mm/dd/yyyy	Analyte	Blank Result	Associated Sample ID	Dilution Factor	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB06-20220718	07/18/2022	bis(2-Ethylhexyl)phthalate (DEHP)	0.00011 J	WG-1620-MW48C-20220718	1	0.000070 J	<0.000070	mg/L
					WG-1620-MW59A-20220718	1	0.000046 J	<0.000046	mg/L
					WG-1620-MW59B-20220718	1	0.000049 J	<0.000049	mg/L
					WG-1620-MW60AR-20220718	1	0.000064 J	<0.000064	mg/L
					WG-1620-MW60B-20220718	1	0.000068 J	<0.000068	mg/L
					WG-1620-MW86C-2022071	1	0.000067 J	<0.000067	mg/L
SVOCs	WG-1620-FB07-20220719	07/19/2022	Naphthalene	0.00011	WG-1620-MW27C-20220719	1	0.000063 J	<0.000063	mg/L
					WG-1620-MW68A-20220719	1	0.000035 J	<0.000035	mg/L
					WG-1620-MW68C-20220719	1	0.00034	<0.00034	mg/L
					WG-1620-MW69A-20220719	1	0.00011	<0.00011	mg/L
SVOCs	WG-1620-FB09-20220722	07/22/2022	Naphthalene	0.000074 J	WG-1620-MW61A-20220722	1	0.000061 J	<0.000061	mg/L
					WG-1620-MW61B-20220722	1	0.000068 J	<0.000068	mg/L
					WG-1620-MW95A-20220722	1	0.000086 J	<0.000086	mg/L
					WG-1620-MW96B-20220722	1	0.000062 J	<0.000062	mg/L
			Phenanthrene	0.000058 J	WG-1620-MW61A-20220722	1	0.000027 J	<0.000027	mg/L
					WG-1620-MW61B-20220722	1	0.000029 J	<0.000029	mg/L
					WG-1620-MW95A-20220722	1	0.000027 J	<0.000027	mg/L
					WG-1620-MW96B-20220722	1	0.000023 J	<0.000023	mg/L
SVOCs	WG-1620-FB10-20220724	07/24/2022	2-Methylnaphthalene	0.000027 J	WG-1620-MW34CR-20220724	1	0.000058 J	<0.000058	mg/L
			Dibenzofuran	0.000036 J	WG-1620-MW34CR-20220724	1	0.000046 J	<0.000046	mg/L
			Fluorene	0.000031 J	WG-1620-MW34CR-20220724	1	0.000050 J	<0.000050	mg/L
			Naphthalene	0.000094 J	WG-1620-MW34CR-20220724	1	0.00027	<0.00027	mg/L
					WG-1620-MW47A-20220724	1	0.000065 J	<0.000065	mg/L

Table 5

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Field Blank ID	Blank Date mm/dd/yyyy	Analyte	Blank Result	Associated Sample ID	Dilution Factor	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB10-20220724	07/24/2022	Phenanthrene	0.000074 J	WG-1620-MW34CR-20220724	1	0.00014	<0.00014	mg/L
					WG-1620-MW47A-20220724	1	0.000029 J	<0.000029	mg/L
SVOCs	WG-1620-FB11-20220725	07/25/2022	2-Methylnaphthalene	0.0011	WG-1620-MW25A-20220725	1	0.00011	<0.00011	mg/L
					WG-1620-MW25C-20220725	100	0.36	<0.36	mg/L
					WG-1620-MW54C-20220725	1	0.000096 J	<0.000096	mg/L
			Acenaphthene	0.029	WG-1620-MW25C-20220725	100	0.14	<0.14	mg/L
					WG-1620-MW44A-20220725	10	0.058	<0.058	mg/L
					WG-1620-MW45C-20220725	50000	2500	<2500	mg/L
					WG-1620-MW54C-20220725	10	0.031	<0.031	mg/L
			Anthracene	0.0019	WG-1620-MW25C-20220725	100	0.014	<0.014	mg/L
					WG-1620-MW44A-20220725	10	0.00077 J	<0.00077	mg/L
					WG-1620-MW54C-20220725	1	0.0018	<0.0018	mg/L
			Dibenzofuran	0.019	WG-1620-MW25C-20220725	100	0.12	<0.12	mg/L
					WG-1620-MW44A-20220725	10	0.0013	<0.0013	mg/L
					WG-1620-MW45C-20220725	50000	2300	<2300	mg/L
					WG-1620-MW54C-20220725	1	0.0047	<0.0047	mg/L
			Fluoranthene	0.0035	WG-1620-MW25C-20220725	100	0.011	<0.011	mg/L
					WG-1620-MW44A-20220725	10	0.0053	<0.0053	mg/L
					WG-1620-MW45C-20220725	50000	2100	<2100	mg/L
					WG-1620-MW54C-20220725	1	0.0037	<0.0037	mg/L
			Fluorene	0.013	WG-1620-MW25C-20220725	100	0.063	<0.063	mg/L
SVOCs	WG-1620-FB11-20220725	07/25/2022	Fluorene	0.013	WG-1620-MW44A-20220725	10	0.013	<0.013	mg/L
					WG-1620-MW45C-20220725	50000	1800	<1800	mg/L
					WG-1620-MW54C-20220725	10	0.016	<0.016	mg/L

Table 5

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Field Blank ID	Blank Date mm/dd/yyyy	Analyte	Blank Result	Associated Sample ID	Dilution Factor	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB11-20220725	07/25/2022	Naphthalene	0.0093	WG-1620-MW25A-20220725	1	0.0010	<0.0010	mg/L
					WG-1620-MW25C-20220725	1000	2.6	<2.6	mg/L
					WG-1620-MW44A-20220725	10	0.00052 J	<0.00052	mg/L
					WG-1620-MW54C-20220725	1	0.00100	<0.00100	mg/L
			Phenanthrene	0.0042	WG-1620-MW25C-20220725	100	0.096	<0.096	mg/L
					WG-1620-MW44A-20220725	10	0.00082 J	<0.00082	mg/L
					WG-1620-MW54C-20220725	1	0.00026	<0.00026	mg/L
			Pyrene	0.0020	WG-1620-MW25C-20220725	100	0.0079 J	<0.0079	mg/L
					WG-1620-MW44A-20220725	10	0.0057	<0.0057	mg/L
					WG-1620-MW54C-20220725	1	0.0019	<0.0019	mg/L
Metals			Arsenic	0.00110 J	WG-1620-MW25A-20220725	1	0.00163 J	<0.00163	mg/L
					WG-1620-MW54C-20220725	1	0.00161 J	<0.00161	mg/L
SVOCs	WG-1620-FB12-20220726	07/26/2022	2-Methylnaphthalene	0.0013	WG-1620-MW22AR-20220726	1	0.00075	<0.00075	mg/L
					WG-1620-MW22BR-20220726	1	0.00032	<0.00032	mg/L
					WG-1620-MW38A-20220726	1	0.00044	<0.00044	mg/L
					WG-1620-MW38B-20220726	1	0.000070 J	<0.000070	mg/L
			Acenaphthene	0.000095 J	WG-1620-MW22BR-20220726	1	0.00019	<0.00019	mg/L
					WG-1620-MW93B-20220726	1	0.000061 J	<0.000061	mg/L
					WG-1620-MW94A-20220726	1	0.000048 J	<0.000048	mg/L
			Anthracene	0.000096 J	WG-1620-MW22BR-20220726	1	0.00014	<0.00014	mg/L
					WG-1620-MW38A-20220726	1	0.00027	<0.00027	mg/L
					WG-1620-MW38B-20220726	1	0.000071 J	<0.000071	mg/L
					WG-1620-MW84B-20220726	1	0.000030 J	<0.000030	mg/L
					WG-1620-MW92B-20220726	1	0.000055 J	<0.000055	mg/L

Table 5

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Field Blank ID	Blank Date mm/dd/yyyy	Analyte	Blank Result	Associated Sample ID	Dilution Factor	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB12-20220726	07/26/2022	Anthracene	0.000096 J	WG-1620-MW93B-20220726	1	0.000060 J	<0.000060	mg/L
					WG-1620-MW94A-20220726	1	0.000020 J	<0.000020	mg/L
			Dibenzofuran	0.00020	WG-1620-MW22AR-20220726	1	0.00051	<0.00051	mg/L
					WG-1620-MW22BR-20220726	1	0.00020	<0.00020	mg/L
					WG-1620-MW38A-20220726	1	0.00022	<0.00022	mg/L
					WG-1620-MW93B-20220726	1	0.000033 J	<0.000033	mg/L
					WG-1620-MW94A-20220726	1	0.000021 J	<0.000021	mg/L
			Fluoranthene	0.000070 J	WG-1620-MW22BR-20220726	1	0.00025	<0.00025	mg/L
					WG-1620-MW38A-20220726	1	0.00016	<0.00016	mg/L
					WG-1620-MW93B-20220726	1	0.000033 J	<0.000033	mg/L
SVOCs	WG-1620-FB12-20220726	07/26/2022	Fluoranthene	0.000070 J	WG-1620-MW94A-20220726	1	0.000097 J	<0.000097	mg/L
			Fluorene	0.00015	WG-1620-MW22AR-20220726	1	0.00060	<0.00060	mg/L
					WG-1620-MW22BR-20220726	1	0.00014	<0.00014	mg/L
					WG-1620-MW38A-20220726	1	0.00043	<0.00043	mg/L
					WG-1620-MW93B-20220726	1	0.000043 J	<0.000043	mg/L
			Naphthalene	0.00019	WG-1620-MW38B-20220726	1	0.00016	<0.00016	mg/L
					WG-1620-MW92B-20220726	1	0.00021	<0.00021	mg/L
					WG-1620-MW93B-20220726	1	0.000070 J	<0.000070	mg/L
					WG-1620-MW94A-20220726	1	0.000098 J	<0.000098	mg/L
SVOCs	WG-1620-FB12-20220726	07/26/2022	Phenanthrene	0.00046	WG-1620-MW22AR-20220726	1	0.0016	<0.0016	mg/L
					WG-1620-MW22BR-20220726	1	0.00049	<0.00049	mg/L
					WG-1620-MW38A-20220726	1	0.00038	<0.00038	mg/L
					WG-1620-MW38B-20220726	1	0.000032 J	<0.000032	mg/L
					WG-1620-MW92B-20220726	1	0.000041 J	<0.000041	mg/L
					WG-1620-MW93B-20220726	1	0.000058 J	<0.000058	mg/L

Table 5

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Field Blank ID	Blank Date mm/dd/yyyy	Analyte	Blank Result	Associated Sample ID	Dilution Factor	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB12-20220726	07/26/2022	Phenanthrene	0.00046	WG-1620-MW94A-20220726	1	0.000064 J	<0.000064	mg/L
			Pyrene	0.000040 J	WG-1620-MW22BR-20220726	1	0.00018	<0.00018	mg/L
					WG-1620-MW38A-20220726	1	0.00014	<0.00014	mg/L
					WG-1620-MW93B-20220726	1	0.000024 J	<0.000024	mg/L
					WG-1620-MW94A-20220726	1	0.000071 J	<0.000071	mg/L

Notes:

SVOCs - Semi-volatile Organic Compounds
J - Estimated concentration
< - Not detected at the associated reporting limit

Table 6

Qualified Sample Data Due to Variability in Field Duplicate Results
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Analyte	RPD	Difference	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
SVOCs	2-Methylnaphthalene	104	0.00026	WG-1620-MW21C-20220719	0.00038 J	WG-1620-FD01-20220719	0.00012 J	mg/L
	Acenaphthene	136	0.000154		0.00019 J		0.000036 J	mg/L
	Anthracene	167	0.000146		0.00016 J		<0.000014 J	mg/L
	Dibenzofuran	145	0.000244		0.00029 J		0.000046 J	mg/L
	Fluoranthene	186	0.000309		0.00032 J		0.000011 J	mg/L
	Fluorene	161	0.00025		0.00028 J		<0.000030 J	mg/L
	Phenanthrene	182	0.000793		0.00083 J		0.000037 J	mg/L
	Pyrene	163	0.000171		0.00019 J		<0.000019 J	mg/L
VOCs	Benzene	51.9	0.0014	WG-1620-MW83B-20220720	0.0020 J	WG-1620-FD02-20220720	0.0034 J	mg/L
	Xylenes (total)	54.7	0.0073		0.0097 J		0.017 J	mg/L
SVOCs	bis(2-Ethylhexyl)phthalate (DEHP)	99.3	0.000073		0.00011 J		<0.000037 J	mg/L
	Fluoranthene	46.5	0.0002		0.00033 J		0.00053 J	mg/L
	Naphthalene	32.6	0.07		0.18 J		0.25 J	mg/L
	Pyrene	51.0	0.00013		0.00019 J		0.00032 J	mg/L

Table 6

Qualified Sample Data Due to Variability in Field Duplicate Results
HWPW - Semi-Annual Site-Wide Monitoring
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2022

Parameter	Analyte	RPD	Difference	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
Metals	Arsenic	73.8	0.0193		0.0165 J		0.0358 J	mg/L
SVOCs	Naphthalene	59.5	0.00011	WG-1620-MW33A-20220721	0.00013 J	WG-1620-FD04-20220721	0.00024 J	mg/L
Metals	Arsenic	75.4	0.00597		0.0109 J		0.00493 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 Certificate(s)

Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

10450 Stancliff Road, Suite 115
Houston, TX 77099-4338

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: T104704231-22-29
Effective Date: 5/1/2022
Expiration Date: 4/30/2023

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

July 25, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22070538**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 13 sample(s) on Jul 12, 2022 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
Dane J. Wacasey

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22070538**	

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 Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22070538**	

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 07/25/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070538					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181195,181508,R412875					
#[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			2
		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 effects 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: 07/25/2022				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070538				
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181195,181508,R412875				
#[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: 07/25/2022
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS22070538
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 181195,181508,R412875

ER#[5]	Description
1	Semivolatile Organics Method SW8270, sample WG-1620-MW20A-20220711, WG-1620-MW40B-20220711, WG-1620-MW15B-20220711 the surrogate recoveries could not be determined due to dilution below the calibration range. Semivolatile Organics Method SW8270, sample WG-1620-MW20A-20220711, surrogate Nitrobenzene-d5 recovered above the control limit due to matrix interference.
2	Batch R412875, Volatile Organics Method SW8260, LCS recovery was above the control limits for Chlorobenzene. The analyte was not detected in the associated samples.
3	Batch 181195, Semivolatile Organics Method SW8270, LCS/LCSD were analyzed and reported in lieu of an MS/MSD for this batch.
4	Batch R412875, Volatile Organics Method SW8260, sample HS22070532-02, MS and MSD were performed on unrelated sample
5	Batch 181195, Semivolatile Organics Method SW8270, sample WG-1620-MW40B-20220711; Low area counts for 1, 4-Dichlorobenzene, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 due to matrix effects. Confirmed by analysis at a dilution.

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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22070538

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22070538-01	WG-1620-TB01-20220711	Water		11-Jul-2022 00:00	12-Jul-2022 12:05	☐
HS22070538-02	WG-1620-MW20A-20220711	Water		11-Jul-2022 09:20	12-Jul-2022 12:05	☐
HS22070538-03	WG-1620-MW14-20220711	Water		11-Jul-2022 10:15	12-Jul-2022 12:05	☐
HS22070538-04	WG-1620-MW40B-20220711	Water		11-Jul-2022 11:10	12-Jul-2022 12:05	☐
HS22070538-05	WG-1620-MW42B-20220711	Water		11-Jul-2022 12:05	12-Jul-2022 12:05	☐
HS22070538-06	WG-1620-MW13-20220711	Water		11-Jul-2022 13:00	12-Jul-2022 12:05	☐
HS22070538-07	WG-1620-MW39B-20220711	Water		11-Jul-2022 13:55	12-Jul-2022 12:05	☐
HS22070538-08	WG-1620-MW15B-20220711	Water		11-Jul-2022 14:50	12-Jul-2022 12:05	☐
HS22070538-09	WG-1620-MW15C-20220711	Water		11-Jul-2022 15:45	12-Jul-2022 12:05	☐
HS22070538-10	WG-1620-MW15A-20220711	Water		11-Jul-2022 16:45	12-Jul-2022 12:05	☐
HS22070538-11	WG-1620-MW88C-20220711	Water		11-Jul-2022 17:45	12-Jul-2022 12:05	☐
HS22070538-12	WG-1620-FB01-20220711	Water		11-Jul-2022 18:15	12-Jul-2022 12:05	☐
HS22070538-13	WG-1620-FB02-20220712	Water		12-Jul-2022 07:15	12-Jul-2022 12:05	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB01-20220711
Collection Date: 11-Jul-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:20
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 13:20
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 13:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 13:20
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:20
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:20
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 13:20
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*14-Jul-2022 13:20*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2022 13:20*
Surr: Dibromofluoromethane	*111*			*77-123*	*%REC*	*1*	*14-Jul-2022 13:20*
Surr: Toluene-d8	*97.7*			*82-127*	*%REC*	*1*	*14-Jul-2022 13:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW20A-20220711
Collection Date: 11-Jul-2022 09:20

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-02
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	14-Jul-2022 14:25
Benzene	**0.0082**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2022 14:25
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 14:25
Ethylbenzene	**0.031**		**0.00030**	**0.0010**	**mg/L**	1	14-Jul-2022 14:25
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 14:25
Toluene	**0.0013**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2022 14:25
Xylenes, Total	**0.025**		**0.00030**	**0.0010**	**mg/L**	1	14-Jul-2022 14:25
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*14-Jul-2022 14:25*
Surr: 4-Bromofluorobenzene	*94.3*			*77-113*	*%REC*	*1*	*14-Jul-2022 14:25*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*14-Jul-2022 14:25*
Surr: Toluene-d8	*98.6*			*82-127*	*%REC*	*1*	*14-Jul-2022 14:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW20A-20220711
Collection Date: 11-Jul-2022 09:20

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 15:39
2,4-Dimethylphenol	**0.0015**		**0.000040**	**0.00020**	**mg/L**	1	23-Jul-2022 15:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 15:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 15:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 15:39
2-Methylnaphthalene	**0.25**		**0.0019**	**0.010**	**mg/L**	100	25-Jul-2022 14:46
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 15:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 15:39
Acenaphthene	**0.18**		**0.0027**	**0.010**	**mg/L**	100	25-Jul-2022 14:46
Acenaphthylene	**0.00096**		**0.000015**	**0.00010**	**mg/L**	1	23-Jul-2022 15:39
Anthracene	**0.0044**		**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 15:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 15:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 15:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 15:39
Bis(2-ethylhexyl)phthalate	**0.000075**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 15:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 15:39
Dibenzofuran	**0.11**		**0.0020**	**0.010**	**mg/L**	100	25-Jul-2022 14:46
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 15:39
Fluoranthene	**0.00085**		**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 15:39
Fluorene	**0.088**		**0.00030**	**0.0010**	**mg/L**	10	25-Jul-2022 14:25
Naphthalene	**2.9**		**0.020**	**0.10**	**mg/L**	1000	25-Jul-2022 15:07
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 15:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 15:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 15:39
Phenanthrene	**0.044**		**0.00021**	**0.0010**	**mg/L**	10	25-Jul-2022 14:25
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 15:39
Pyrene	**0.00050**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 15:39
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*25-Jul-2022 15:07*
Surr: 2,4,6-Tribromophenol	*71.9*			*34-129*	*%REC*	*1*	*23-Jul-2022 15:39*
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*10*	*25-Jul-2022 14:25*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*25-Jul-2022 14:46*
Surr: 2-Fluorobiphenyl	*90.0*			*40-125*	*%REC*	*10*	*25-Jul-2022 14:25*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*25-Jul-2022 14:46*
Surr: 2-Fluorobiphenyl	*61.4*			*40-125*	*%REC*	*1*	*23-Jul-2022 15:39*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*25-Jul-2022 15:07*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*25-Jul-2022 15:07*
Surr: 2-Fluorophenol	*54.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 15:39*
Surr: 2-Fluorophenol	*43.2*			*20-120*	*%REC*	*10*	*25-Jul-2022 14:25*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 14:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW20A-20220711
Collection Date: 11-Jul-2022 09:20

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 14-Jul-2022		Analyst: GEY
Surr: 4-Terphenyl-d14	*90.6*			*40-135*	*%REC*	*1*	*23-Jul-2022 15:39*
Surr: 4-Terphenyl-d14	*122*			*40-135*	*%REC*	*10*	*25-Jul-2022 14:25*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*25-Jul-2022 14:46*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*25-Jul-2022 15:07*
Surr: Nitrobenzene-d5	*86.8*			*41-120*	*%REC*	*10*	*25-Jul-2022 14:25*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*25-Jul-2022 14:46*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*25-Jul-2022 15:07*
Surr: Nitrobenzene-d5	*125*	*S*		*41-120*	*%REC*	*1*	*23-Jul-2022 15:39*
Surr: Phenol-d6	*59.4*			*20-120*	*%REC*	*1*	*23-Jul-2022 15:39*
Surr: Phenol-d6	*26.8*	*J*		*20-120*	*%REC*	*10*	*25-Jul-2022 14:25*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 14:46*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*25-Jul-2022 15:07*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.00574**		**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW14-20220711
Collection Date: 11-Jul-2022 10:15

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-03
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	14-Jul-2022 14:46
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 14:46
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 14:46
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 14:46
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 14:46
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 14:46
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 14:46
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*14-Jul-2022 14:46*
Surr: 4-Bromofluorobenzene	*83.7*			*77-113*	*%REC*	*1*	*14-Jul-2022 14:46*
Surr: Dibromofluoromethane	*114*			*77-123*	*%REC*	*1*	*14-Jul-2022 14:46*
Surr: Toluene-d8	*96.6*			*82-127*	*%REC*	*1*	*14-Jul-2022 14:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW14-20220711
Collection Date: 11-Jul-2022 10:15

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 16:00
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 16:00
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 16:00
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 16:00
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 16:00
2-Methylnaphthalene	**0.000084**	J	**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 16:00
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 16:00
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 16:00
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	23-Jul-2022 16:00
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 16:00
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	23-Jul-2022 16:00
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 16:00
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 16:00
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 16:00
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	23-Jul-2022 16:00
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 16:00
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 16:00
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 16:00
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	23-Jul-2022 16:00
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	23-Jul-2022 16:00
Naphthalene	**0.00036**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 16:00
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 16:00
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 16:00
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 16:00
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 16:00
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 16:00
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	23-Jul-2022 16:00
Surr: 2,4,6-Tribromophenol	*68.1*			*34-129*	*%REC*	*1*	*23-Jul-2022 16:00*
Surr: 2-Fluorobiphenyl	*77.9*			*40-125*	*%REC*	*1*	*23-Jul-2022 16:00*
Surr: 2-Fluorophenol	*53.5*			*20-120*	*%REC*	*1*	*23-Jul-2022 16:00*
Surr: 4-Terphenyl-d14	*93.7*			*40-135*	*%REC*	*1*	*23-Jul-2022 16:00*
Surr: Nitrobenzene-d5	*71.3*			*41-120*	*%REC*	*1*	*23-Jul-2022 16:00*
Surr: Phenol-d6	*57.2*			*20-120*	*%REC*	*1*	*23-Jul-2022 16:00*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.000633**	J	**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070538
Sample ID: WG-1620-MW40B-20220711
Lab ID:HS22070538-04
Collection Date: 11-Jul-2022 11:10
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	14-Jul-2022 15:08
Benzene	**0.0084**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2022 15:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 15:08
Ethylbenzene	**0.080**		**0.00030**	**0.0010**	**mg/L**	1	14-Jul-2022 15:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 15:08
Toluene	**0.015**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2022 15:08
Xylenes, Total	**0.11**		**0.00030**	**0.0010**	**mg/L**	1	14-Jul-2022 15:08
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*14-Jul-2022 15:08*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2022 15:08*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*14-Jul-2022 15:08*
Surr: Toluene-d8	*96.0*			*82-127*	*%REC*	*1*	*14-Jul-2022 15:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW40B-20220711
Collection Date: 11-Jul-2022 11:10

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 16:21
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 16:21
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 16:21
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 16:21
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 16:21
2-Methylnaphthalene	**0.099**		**0.00019**	**0.0010**	**mg/L**	10	25-Jul-2022 15:28
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 16:21
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 16:21
Acenaphthene	**0.14**		**0.0027**	**0.010**	**mg/L**	100	25-Jul-2022 15:49
Acenaphthylene	**0.00099**		**0.000015**	**0.00010**	**mg/L**	1	23-Jul-2022 16:21
Anthracene	**0.0079**		**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 16:21
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 16:21
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 16:21
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 16:21
Bis(2-ethylhexyl)phthalate	**0.000077**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 16:21
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 16:21
Dibenzofuran	**0.073**		**0.00020**	**0.0010**	**mg/L**	10	25-Jul-2022 15:28
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 16:21
Fluoranthene	**0.0037**		**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 16:21
Fluorene	**0.072**		**0.00030**	**0.0010**	**mg/L**	10	25-Jul-2022 15:28
Naphthalene	**2.5**		**0.020**	**0.10**	**mg/L**	1000	25-Jul-2022 16:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 16:21
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 16:21
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 16:21
Phenanthrene	**0.067**		**0.00021**	**0.0010**	**mg/L**	10	25-Jul-2022 15:28
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 16:21
Pyrene	**0.0016**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 16:21
Surr: 2,4,6-Tribromophenol	*86.6*			*34-129*	*%REC*	*10*	*25-Jul-2022 15:28*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*25-Jul-2022 15:49*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*25-Jul-2022 16:10*
Surr: 2,4,6-Tribromophenol	*71.4*			*34-129*	*%REC*	*1*	*23-Jul-2022 16:21*
Surr: 2-Fluorobiphenyl	*73.4*			*40-125*	*%REC*	*10*	*25-Jul-2022 15:28*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*25-Jul-2022 15:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*25-Jul-2022 16:10*
Surr: 2-Fluorobiphenyl	*61.0*			*40-125*	*%REC*	*1*	*23-Jul-2022 16:21*
Surr: 2-Fluorophenol	*83.5*			*20-120*	*%REC*	*10*	*25-Jul-2022 15:28*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 15:49*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*25-Jul-2022 16:10*
Surr: 2-Fluorophenol	*53.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 16:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW40B-20220711
Collection Date: 11-Jul-2022 11:10

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 14-Jul-2022		Analyst: GEY
Surr: 4-Terphenyl-d14	*120*			*40-135*	*%REC*	*10*	*25-Jul-2022 15:28*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*25-Jul-2022 15:49*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*25-Jul-2022 16:10*
Surr: 4-Terphenyl-d14	*87.4*			*40-135*	*%REC*	*1*	*23-Jul-2022 16:21*
Surr: Nitrobenzene-d5	*83.1*			*41-120*	*%REC*	*10*	*25-Jul-2022 15:28*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*25-Jul-2022 15:49*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*25-Jul-2022 16:10*
Surr: Nitrobenzene-d5	*41.1*			*41-120*	*%REC*	*1*	*23-Jul-2022 16:21*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*25-Jul-2022 16:10*
Surr: Phenol-d6	*50.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 16:21*
Surr: Phenol-d6	*47.1*			*20-120*	*%REC*	*10*	*25-Jul-2022 15:28*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 15:49*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.0499**		**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070538
Sample ID: WG-1620-MW42B-20220711
Lab ID:HS22070538-05
Collection Date: 11-Jul-2022 12:05
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	14-Jul-2022 15:29
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 15:29
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 15:29
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 15:29
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 15:29
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 15:29
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 15:29
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*14-Jul-2022 15:29*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*14-Jul-2022 15:29*
Surr: Dibromofluoromethane	*111*			*77-123*	*%REC*	*1*	*14-Jul-2022 15:29*
Surr: Toluene-d8	*99.6*			*82-127*	*%REC*	*1*	*14-Jul-2022 15:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW42B-20220711
Collection Date: 11-Jul-2022 12:05

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 16:42
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 16:42
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 16:42
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 16:42
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 16:42
2-Methylnaphthalene	**0.000053**	J	**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 16:42
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 16:42
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 16:42
Acenaphthene	**0.00016**		**0.000027**	**0.00010**	**mg/L**	1	23-Jul-2022 16:42
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 16:42
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	23-Jul-2022 16:42
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 16:42
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 16:42
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 16:42
Bis(2-ethylhexyl)phthalate	**0.000084**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 16:42
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 16:42
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 16:42
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 16:42
Fluoranthene	**0.000090**	J	**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 16:42
Fluorene	**0.000051**	J	**0.000030**	**0.00010**	**mg/L**	1	23-Jul-2022 16:42
Naphthalene	**0.00044**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 16:42
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 16:42
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 16:42
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 16:42
Phenanthrene	**0.00011**		**0.000021**	**0.00010**	**mg/L**	1	23-Jul-2022 16:42
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 16:42
Pyrene	**0.000086**	J	**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 16:42
Surr: 2,4,6-Tribromophenol	*70.8*			*34-129*	*%REC*	*1*	*23-Jul-2022 16:42*
Surr: 2-Fluorobiphenyl	*60.0*			*40-125*	*%REC*	*1*	*23-Jul-2022 16:42*
Surr: 2-Fluorophenol	*43.1*			*20-120*	*%REC*	*1*	*23-Jul-2022 16:42*
Surr: 4-Terphenyl-d14	*95.0*			*40-135*	*%REC*	*1*	*23-Jul-2022 16:42*
Surr: Nitrobenzene-d5	*53.5*			*41-120*	*%REC*	*1*	*23-Jul-2022 16:42*
Surr: Phenol-d6	*45.2*			*20-120*	*%REC*	*1*	*23-Jul-2022 16:42*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.00137**	J	**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW13-20220711
Collection Date: 11-Jul-2022 13:00

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 15:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 15:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 15:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 15:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 15:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 15:51
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 15:51
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*14-Jul-2022 15:51*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*14-Jul-2022 15:51*
Surr: Dibromofluoromethane	*111*			*77-123*	*%REC*	*1*	*14-Jul-2022 15:51*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*14-Jul-2022 15:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW13-20220711
Collection Date: 11-Jul-2022 13:00

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 17:03
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 17:03
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 17:03
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 17:03
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 17:03
2-Methylnaphthalene	**0.000076**	J	**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 17:03
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 17:03
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 17:03
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	23-Jul-2022 17:03
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 17:03
Anthracene	**0.000084**	J	**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 17:03
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 17:03
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 17:03
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 17:03
Bis(2-ethylhexyl)phthalate	**0.00037**		**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 17:03
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 17:03
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 17:03
Di-n-butyl phthalate	**0.000028**	J	**0.000020**	**0.00020**	**mg/L**	1	23-Jul-2022 17:03
Fluoranthene	**0.000023**	J	**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 17:03
Fluorene	**0.000060**	J	**0.000030**	**0.00010**	**mg/L**	1	23-Jul-2022 17:03
Naphthalene	**0.00015**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 17:03
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 17:03
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 17:03
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 17:03
Phenanthrene	**0.000059**	J	**0.000021**	**0.00010**	**mg/L**	1	23-Jul-2022 17:03
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 17:03
Pyrene	**0.000055**	J	**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 17:03
Surr: 2,4,6-Tribromophenol	*78.0*			*34-129*	*%REC*	*1*	*23-Jul-2022 17:03*
Surr: 2-Fluorobiphenyl	*71.3*			*40-125*	*%REC*	*1*	*23-Jul-2022 17:03*
Surr: 2-Fluorophenol	*49.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 17:03*
Surr: 4-Terphenyl-d14	*98.5*			*40-135*	*%REC*	*1*	*23-Jul-2022 17:03*
Surr: Nitrobenzene-d5	*74.2*			*41-120*	*%REC*	*1*	*23-Jul-2022 17:03*
Surr: Phenol-d6	*53.1*			*20-120*	*%REC*	*1*	*23-Jul-2022 17:03*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.00472**		**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW39B-20220711
Collection Date: 11-Jul-2022 13:55

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-07
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	14-Jul-2022 16:12
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 16:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:12
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:12
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 16:12
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 16:12
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:12
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*14-Jul-2022 16:12*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2022 16:12*
Surr: Dibromofluoromethane	*109*			*77-123*	*%REC*	*1*	*14-Jul-2022 16:12*
Surr: Toluene-d8	*98.9*			*82-127*	*%REC*	*1*	*14-Jul-2022 16:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW39B-20220711
Collection Date: 11-Jul-2022 13:55

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 17:24
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 17:24
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 17:24
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 17:24
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 17:24
2-Methylnaphthalene	**0.00037**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 17:24
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 17:24
Acenaphthene	**0.0025**		**0.000027**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 17:24
Anthracene	**0.00013**		**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 17:24
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 17:24
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 17:24
Bis(2-ethylhexyl)phthalate	**0.000068**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 17:24
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 17:24
Dibenzofuran	**0.00028**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 17:24
Fluoranthene	**0.00027**		**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Fluorene	**0.00050**		**0.000030**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Naphthalene	**0.0027**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 17:24
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 17:24
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 17:24
Phenanthrene	**0.00026**		**0.000021**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 17:24
Pyrene	**0.00026**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 17:24
Surr: 2,4,6-Tribromophenol	*97.0*			*34-129*	*%REC*	*1*	*23-Jul-2022 17:24*
Surr: 2-Fluorobiphenyl	*59.5*			*40-125*	*%REC*	*1*	*23-Jul-2022 17:24*
Surr: 2-Fluorophenol	*38.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 17:24*
Surr: 4-Terphenyl-d14	*115*			*40-135*	*%REC*	*1*	*23-Jul-2022 17:24*
Surr: Nitrobenzene-d5	*54.1*			*41-120*	*%REC*	*1*	*23-Jul-2022 17:24*
Surr: Phenol-d6	*38.3*			*20-120*	*%REC*	*1*	*23-Jul-2022 17:24*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.0134**		**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:40

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15B-20220711
Collection Date: 11-Jul-2022 14:50

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-08
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	14-Jul-2022 16:34
Benzene	**0.0019**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2022 16:34
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:34
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:34
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 16:34
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 16:34
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:34
Surr: 1,2-Dichloroethane-d4	*116*			*70-126*	*%REC*	*1*	*14-Jul-2022 16:34*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2022 16:34*
Surr: Dibromofluoromethane	*111*			*77-123*	*%REC*	*1*	*14-Jul-2022 16:34*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*14-Jul-2022 16:34*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works WorkOrder:HS22070538
Sample ID: WG-1620-MW15B-20220711 Lab ID:HS22070538-08
Collection Date: 11-Jul-2022 14:50 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 17:45
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 17:45
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 17:45
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 17:45
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 17:45
2-Methylnaphthalene	**0.023**		**0.00019**	**0.0010**	**mg/L**	10	25-Jul-2022 16:31
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 17:45
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 17:45
Acenaphthene	**0.039**		**0.00027**	**0.0010**	**mg/L**	10	25-Jul-2022 16:31
Acenaphthylene	**0.00016**		**0.000015**	**0.00010**	**mg/L**	1	23-Jul-2022 17:45
Anthracene	**0.0027**		**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 17:45
Benz(a)anthracene	**0.00026**		**0.000050**	**0.00010**	**mg/L**	1	23-Jul-2022 17:45
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 17:45
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 17:45
Bis(2-ethylhexyl)phthalate	**0.000094**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 17:45
Chrysene	**0.00027**		**0.000021**	**0.00010**	**mg/L**	1	23-Jul-2022 17:45
Dibenzofuran	**0.018**		**0.00020**	**0.0010**	**mg/L**	10	25-Jul-2022 16:31
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 17:45
Fluoranthene	**0.0056**		**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 17:45
Fluorene	**0.018**		**0.00030**	**0.0010**	**mg/L**	10	25-Jul-2022 16:31
Naphthalene	**0.28**		**0.0020**	**0.010**	**mg/L**	100	25-Jul-2022 16:52
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 17:45
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 17:45
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 17:45
Phenanthrene	**0.019**		**0.00021**	**0.0010**	**mg/L**	10	25-Jul-2022 16:31
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 17:45
Pyrene	**0.0032**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 17:45
Surr: 2,4,6-Tribromophenol	*90.2*			*34-129*	*%REC*	*10*	*25-Jul-2022 16:31*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*25-Jul-2022 16:52*
Surr: 2,4,6-Tribromophenol	*90.4*			*34-129*	*%REC*	*1*	*23-Jul-2022 17:45*
Surr: 2-Fluorobiphenyl	*48.7*			*40-125*	*%REC*	*1*	*23-Jul-2022 17:45*
Surr: 2-Fluorobiphenyl	*62.2*			*40-125*	*%REC*	*10*	*25-Jul-2022 16:31*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*25-Jul-2022 16:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 16:52*
Surr: 2-Fluorophenol	*28.4*	*J*		*20-120*	*%REC*	*10*	*25-Jul-2022 16:31*
Surr: 2-Fluorophenol	*28.9*			*20-120*	*%REC*	*1*	*23-Jul-2022 17:45*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*23-Jul-2022 17:45*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*25-Jul-2022 16:52*
Surr: 4-Terphenyl-d14	*120*			*40-135*	*%REC*	*10*	*25-Jul-2022 16:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15B-20220711
Collection Date: 11-Jul-2022 14:50

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 14-Jul-2022		Analyst: GEY
Surr: Nitrobenzene-d5	*59.3*			*41-120*	*%REC*	*10*	*25-Jul-2022 16:31*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*25-Jul-2022 16:52*
Surr: Nitrobenzene-d5	*42.9*			*41-120*	*%REC*	*1*	*23-Jul-2022 17:45*
Surr: Phenol-d6	*50.6*			*20-120*	*%REC*	*10*	*25-Jul-2022 16:31*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 16:52*
Surr: Phenol-d6	*31.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 17:45*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.0134**		**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15C-20220711
Collection Date: 11-Jul-2022 15:45

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-09
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	14-Jul-2022 16:55
Benzene	**0.00042**	J	**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2022 16:55
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:55
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:55
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 16:55
Toluene	**0.00024**	J	**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2022 16:55
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 16:55
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*14-Jul-2022 16:55*
Surr: 4-Bromofluorobenzene	*95.8*			*77-113*	*%REC*	*1*	*14-Jul-2022 16:55*
Surr: Dibromofluoromethane	*117*			*77-123*	*%REC*	*1*	*14-Jul-2022 16:55*
Surr: Toluene-d8	*114*			*82-127*	*%REC*	*1*	*14-Jul-2022 16:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15C-20220711
Collection Date: 11-Jul-2022 15:45

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 18:06
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 18:06
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 18:06
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 18:06
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 18:06
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	23-Jul-2022 18:06
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 18:06
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 18:06
Acenaphthene	**0.0034**		**0.000027**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Acenaphthylene	**0.00024**		**0.000015**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Anthracene	**0.000036**	J	**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 18:06
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 18:06
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 18:06
Bis(2-ethylhexyl)phthalate	**0.000058**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 18:06
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 18:06
Dibenzofuran	**0.00097**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 18:06
Fluoranthene	**0.00035**		**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Fluorene	**0.00014**		**0.000030**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Naphthalene	**0.00025**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 18:06
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 18:06
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 18:06
Phenanthrene	**0.000070**	J	**0.000021**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 18:06
Pyrene	**0.00033**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 18:06
Surr: 2,4,6-Tribromophenol	*79.7*			*34-129*	*%REC*	*1*	*23-Jul-2022 18:06*
Surr: 2-Fluorobiphenyl	*51.7*			*40-125*	*%REC*	*1*	*23-Jul-2022 18:06*
Surr: 2-Fluorophenol	*36.0*			*20-120*	*%REC*	*1*	*23-Jul-2022 18:06*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*1*	*23-Jul-2022 18:06*
Surr: Nitrobenzene-d5	*44.0*			*41-120*	*%REC*	*1*	*23-Jul-2022 18:06*
Surr: Phenol-d6	*37.1*			*20-120*	*%REC*	*1*	*23-Jul-2022 18:06*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.000921**	J	**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070538
Sample ID: WG-1620-MW15A-20220711
Lab ID:HS22070538-10
Collection Date: 11-Jul-2022 16:45
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	14-Jul-2022 17:17
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 17:17
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 17:17
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 17:17
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 17:17
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 17:17
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 17:17
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*14-Jul-2022 17:17*
Surr: 4-Bromofluorobenzene	*99.6*			*77-113*	*%REC*	*1*	*14-Jul-2022 17:17*
Surr: Dibromofluoromethane	*111*			*77-123*	*%REC*	*1*	*14-Jul-2022 17:17*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*14-Jul-2022 17:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15A-20220711
Collection Date: 11-Jul-2022 16:45

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 18:27
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 18:27
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 18:27
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 18:27
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 18:27
2-Methylnaphthalene	**0.00016**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 18:27
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 18:27
Acenaphthene	**0.058**		**0.00027**	**0.0010**	**mg/L**	10	25-Jul-2022 17:14
Acenaphthylene	**0.00034**		**0.000015**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
Anthracene	**0.00076**		**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 18:27
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 18:27
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 18:27
Bis(2-ethylhexyl)phthalate	**0.000051**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 18:27
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 18:27
Dibenzofuran	**0.0077**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 18:27
Fluoranthene	**0.0011**		**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
Fluorene	**0.016**		**0.00030**	**0.0010**	**mg/L**	10	25-Jul-2022 17:14
Naphthalene	**0.00012**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 18:27
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 18:27
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 18:27
Phenanthrene	**0.00068**		**0.000021**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 18:27
Pyrene	**0.00056**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 18:27
Surr: 2,4,6-Tribromophenol	*85.0*			*34-129*	*%REC*	*1*	*23-Jul-2022 18:27*
Surr: 2,4,6-Tribromophenol	*75.6*			*34-129*	*%REC*	*10*	*25-Jul-2022 17:14*
Surr: 2-Fluorobiphenyl	*63.0*			*40-125*	*%REC*	*10*	*25-Jul-2022 17:14*
Surr: 2-Fluorobiphenyl	*60.6*			*40-125*	*%REC*	*1*	*23-Jul-2022 18:27*
Surr: 2-Fluorophenol	*47.7*			*20-120*	*%REC*	*1*	*23-Jul-2022 18:27*
Surr: 2-Fluorophenol	*63.6*			*20-120*	*%REC*	*10*	*25-Jul-2022 17:14*
Surr: 4-Terphenyl-d14	*121*			*40-135*	*%REC*	*10*	*25-Jul-2022 17:14*
Surr: 4-Terphenyl-d14	*101*			*40-135*	*%REC*	*1*	*23-Jul-2022 18:27*
Surr: Nitrobenzene-d5	*63.5*			*41-120*	*%REC*	*1*	*23-Jul-2022 18:27*
Surr: Nitrobenzene-d5	*78.8*			*41-120*	*%REC*	*10*	*25-Jul-2022 17:14*
Surr: Phenol-d6	*63.0*			*20-120*	*%REC*	*10*	*25-Jul-2022 17:14*
Surr: Phenol-d6	*49.0*			*20-120*	*%REC*	*1*	*23-Jul-2022 18:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW15A-20220711
Collection Date: 11-Jul-2022 16:45

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.0248**		**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88C-20220711
Collection Date: 11-Jul-2022 17:45

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-11
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	14-Jul-2022 17:38
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 17:38
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 17:38
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 17:38
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 17:38
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 17:38
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 17:38
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*14-Jul-2022 17:38*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*14-Jul-2022 17:38*
Surr: Dibromofluoromethane	*116*			*77-123*	*%REC*	*1*	*14-Jul-2022 17:38*
Surr: Toluene-d8	*98.9*			*82-127*	*%REC*	*1*	*14-Jul-2022 17:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88C-20220711
Collection Date: 11-Jul-2022 17:45

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 18:48
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 18:48
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 18:48
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 18:48
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 18:48
2-Methylnaphthalene	**0.000037**	J	**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 18:48
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 18:48
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 18:48
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	23-Jul-2022 18:48
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 18:48
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	23-Jul-2022 18:48
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 18:48
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 18:48
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 18:48
Bis(2-ethylhexyl)phthalate	**0.000070**	J	**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 18:48
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 18:48
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 18:48
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 18:48
Fluoranthene	**0.000073**	J	**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 18:48
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	23-Jul-2022 18:48
Naphthalene	**0.00019**		**0.000020**	**0.00010**	**mg/L**	1	23-Jul-2022 18:48
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 18:48
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 18:48
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 18:48
Phenanthrene	**0.000054**	J	**0.000021**	**0.00010**	**mg/L**	1	23-Jul-2022 18:48
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 18:48
Pyrene	**0.000044**	J	**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 18:48
Surr: 2,4,6-Tribromophenol	*61.6*			*34-129*	*%REC*	*1*	*23-Jul-2022 18:48*
Surr: 2-Fluorobiphenyl	*58.8*			*40-125*	*%REC*	*1*	*23-Jul-2022 18:48*
Surr: 2-Fluorophenol	*40.4*			*20-120*	*%REC*	*1*	*23-Jul-2022 18:48*
Surr: 4-Terphenyl-d14	*95.2*			*40-135*	*%REC*	*1*	*23-Jul-2022 18:48*
Surr: Nitrobenzene-d5	*47.4*			*41-120*	*%REC*	*1*	*23-Jul-2022 18:48*
Surr: Phenol-d6	*45.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 18:48*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	**0.000640**	J	**0.000400**	**0.00200**	**mg/L**	1	22-Jul-2022 20:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB01-20220711
Collection Date: 11-Jul-2022 18:15

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:42
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:42
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 13:42
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 13:42
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 13:42
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:42
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 13:42
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 13:42
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*14-Jul-2022 13:42*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*14-Jul-2022 13:42*
Surr: Dibromofluoromethane	*111*			*77-123*	*%REC*	*1*	*14-Jul-2022 13:42*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*14-Jul-2022 13:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB01-20220711
Collection Date: 11-Jul-2022 18:15

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 19:09
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 19:09
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 19:09
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 19:09
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 19:09
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	23-Jul-2022 19:09
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 19:09
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 19:09
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	23-Jul-2022 19:09
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 19:09
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	23-Jul-2022 19:09
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 19:09
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 19:09
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 19:09
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	23-Jul-2022 19:09
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 19:09
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 19:09
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 19:09
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	23-Jul-2022 19:09
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	23-Jul-2022 19:09
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 19:09
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 19:09
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 19:09
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 19:09
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 19:09
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 19:09
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	23-Jul-2022 19:09
Surr: 2,4,6-Tribromophenol	*59.5*			*34-129*	*%REC*	*1*	*23-Jul-2022 19:09*
Surr: 2-Fluorobiphenyl	*87.9*			*40-125*	*%REC*	*1*	*23-Jul-2022 19:09*
Surr: 2-Fluorophenol	*59.6*			*20-120*	*%REC*	*1*	*23-Jul-2022 19:09*
Surr: 4-Terphenyl-d14	*110*			*40-135*	*%REC*	*1*	*23-Jul-2022 19:09*
Surr: Nitrobenzene-d5	*78.0*			*41-120*	*%REC*	*1*	*23-Jul-2022 19:09*
Surr: Phenol-d6	*54.3*			*20-120*	*%REC*	*1*	*23-Jul-2022 19:09*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	22-Jul-2022 20:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB02-20220712
Collection Date: 12-Jul-2022 07:15

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-13
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	14-Jul-2022 14:03
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 14:03
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 14:03
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 14:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 14:03
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 14:03
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 14:03
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 14:03
Surr: 1,2-Dichloroethane-d4	*115*			*70-126*	*%REC*	*1*	*14-Jul-2022 14:03*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*14-Jul-2022 14:03*
Surr: Dibromofluoromethane	*109*			*77-123*	*%REC*	*1*	*14-Jul-2022 14:03*
Surr: Toluene-d8	*99.3*			*82-127*	*%REC*	*1*	*14-Jul-2022 14:03*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB02-20220712
Collection Date: 12-Jul-2022 07:15

ANALYTICAL REPORT
WorkOrder:HS22070538
Lab ID:HS22070538-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 19:30
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 19:30
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 19:30
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 19:30
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 19:30
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	23-Jul-2022 19:30
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 19:30
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 19:30
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	23-Jul-2022 19:30
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 19:30
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	23-Jul-2022 19:30
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 19:30
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 19:30
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 19:30
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	23-Jul-2022 19:30
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 19:30
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 19:30
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 19:30
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	23-Jul-2022 19:30
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	23-Jul-2022 19:30
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 19:30
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 19:30
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 19:30
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 19:30
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 19:30
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 19:30
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	23-Jul-2022 19:30
Surr: 2,4,6-Tribromophenol	*46.9*			*34-129*	*%REC*	*1*	*23-Jul-2022 19:30*
Surr: 2-Fluorobiphenyl	*80.4*			*40-125*	*%REC*	*1*	*23-Jul-2022 19:30*
Surr: 2-Fluorophenol	*56.8*			*20-120*	*%REC*	*1*	*23-Jul-2022 19:30*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*1*	*23-Jul-2022 19:30*
Surr: Nitrobenzene-d5	*72.2*			*41-120*	*%REC*	*1*	*23-Jul-2022 19:30*
Surr: Phenol-d6	*55.5*			*20-120*	*%REC*	*1*	*23-Jul-2022 19:30*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 22-Jul-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	22-Jul-2022 20:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

Batch ID: 181195 **Start Date:** 14 Jul 2022 11:01 **End Date:** 14 Jul 2022 14:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070538-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070538-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181508 **Start Date:** 22 Jul 2022 09:00 **End Date:** 22 Jul 2022 13:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070538-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070538-13		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181195 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22070538-02	WG-1620-MW20A-20220711	11 Jul 2022 09:20		14 Jul 2022 11:01	25 Jul 2022 14:46	100
HS22070538-02	WG-1620-MW20A-20220711	11 Jul 2022 09:20		14 Jul 2022 11:01	25 Jul 2022 15:07	1000
HS22070538-02	WG-1620-MW20A-20220711	11 Jul 2022 09:20		14 Jul 2022 11:01	25 Jul 2022 14:25	10
HS22070538-02	WG-1620-MW20A-20220711	11 Jul 2022 09:20		14 Jul 2022 11:01	23 Jul 2022 15:39	1
HS22070538-03	WG-1620-MW14-20220711	11 Jul 2022 10:15		14 Jul 2022 11:01	23 Jul 2022 16:00	1
HS22070538-04	WG-1620-MW40B-20220711	11 Jul 2022 11:10		14 Jul 2022 11:01	25 Jul 2022 16:10	1000
HS22070538-04	WG-1620-MW40B-20220711	11 Jul 2022 11:10		14 Jul 2022 11:01	25 Jul 2022 15:49	100
HS22070538-04	WG-1620-MW40B-20220711	11 Jul 2022 11:10		14 Jul 2022 11:01	25 Jul 2022 15:28	10
HS22070538-04	WG-1620-MW40B-20220711	11 Jul 2022 11:10		14 Jul 2022 11:01	23 Jul 2022 16:21	1
HS22070538-05	WG-1620-MW42B-20220711	11 Jul 2022 12:05		14 Jul 2022 11:01	23 Jul 2022 16:42	1
HS22070538-06	WG-1620-MW13-20220711	11 Jul 2022 13:00		14 Jul 2022 11:01	23 Jul 2022 17:03	1
HS22070538-07	WG-1620-MW39B-20220711	11 Jul 2022 13:55		14 Jul 2022 11:01	23 Jul 2022 17:24	1
HS22070538-08	WG-1620-MW15B-20220711	11 Jul 2022 14:50		14 Jul 2022 11:01	25 Jul 2022 16:52	100
HS22070538-08	WG-1620-MW15B-20220711	11 Jul 2022 14:50		14 Jul 2022 11:01	25 Jul 2022 16:31	10
HS22070538-08	WG-1620-MW15B-20220711	11 Jul 2022 14:50		14 Jul 2022 11:01	23 Jul 2022 17:45	1
HS22070538-09	WG-1620-MW15C-20220711	11 Jul 2022 15:45		14 Jul 2022 11:01	23 Jul 2022 18:06	1
HS22070538-10	WG-1620-MW15A-20220711	11 Jul 2022 16:45		14 Jul 2022 11:01	25 Jul 2022 17:14	10
HS22070538-10	WG-1620-MW15A-20220711	11 Jul 2022 16:45		14 Jul 2022 11:01	23 Jul 2022 18:27	1
HS22070538-11	WG-1620-MW88C-20220711	11 Jul 2022 17:45		14 Jul 2022 11:01	23 Jul 2022 18:48	1
HS22070538-12	WG-1620-FB01-20220711	11 Jul 2022 18:15		14 Jul 2022 11:01	23 Jul 2022 19:09	1
HS22070538-13	WG-1620-FB02-20220712	12 Jul 2022 07:15		14 Jul 2022 11:01	23 Jul 2022 19:30	1
Batch ID: 181508 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22070538-02	WG-1620-MW20A-20220711	11 Jul 2022 09:20		22 Jul 2022 09:00	22 Jul 2022 20:17	1
HS22070538-03	WG-1620-MW14-20220711	11 Jul 2022 10:15		22 Jul 2022 09:00	22 Jul 2022 20:32	1
HS22070538-04	WG-1620-MW40B-20220711	11 Jul 2022 11:10		22 Jul 2022 09:00	22 Jul 2022 20:34	1
HS22070538-05	WG-1620-MW42B-20220711	11 Jul 2022 12:05		22 Jul 2022 09:00	22 Jul 2022 20:36	1
HS22070538-06	WG-1620-MW13-20220711	11 Jul 2022 13:00		22 Jul 2022 09:00	22 Jul 2022 20:38	1
HS22070538-07	WG-1620-MW39B-20220711	11 Jul 2022 13:55		22 Jul 2022 09:00	22 Jul 2022 20:40	1
HS22070538-08	WG-1620-MW15B-20220711	11 Jul 2022 14:50		22 Jul 2022 09:00	22 Jul 2022 20:42	1
HS22070538-09	WG-1620-MW15C-20220711	11 Jul 2022 15:45		22 Jul 2022 09:00	22 Jul 2022 20:44	1
HS22070538-10	WG-1620-MW15A-20220711	11 Jul 2022 16:45		22 Jul 2022 09:00	22 Jul 2022 20:46	1
HS22070538-11	WG-1620-MW88C-20220711	11 Jul 2022 17:45		22 Jul 2022 09:00	22 Jul 2022 20:48	1
HS22070538-12	WG-1620-FB01-20220711	11 Jul 2022 18:15		22 Jul 2022 09:00	22 Jul 2022 20:50	1
HS22070538-13	WG-1620-FB02-20220712	12 Jul 2022 07:15		22 Jul 2022 09:00	22 Jul 2022 20:57	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R412875 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070538-01	WG-1620-TB01-20220711	11 Jul 2022 00:00			14 Jul 2022 13:20	1
HS22070538-02	WG-1620-MW20A-20220711	11 Jul 2022 09:20			14 Jul 2022 14:25	1
HS22070538-03	WG-1620-MW14-20220711	11 Jul 2022 10:15			14 Jul 2022 14:46	1
HS22070538-04	WG-1620-MW40B-20220711	11 Jul 2022 11:10			14 Jul 2022 15:08	1
HS22070538-05	WG-1620-MW42B-20220711	11 Jul 2022 12:05			14 Jul 2022 15:29	1
HS22070538-06	WG-1620-MW13-20220711	11 Jul 2022 13:00			14 Jul 2022 15:51	1
HS22070538-07	WG-1620-MW39B-20220711	11 Jul 2022 13:55			14 Jul 2022 16:12	1
HS22070538-08	WG-1620-MW15B-20220711	11 Jul 2022 14:50			14 Jul 2022 16:34	1
HS22070538-09	WG-1620-MW15C-20220711	11 Jul 2022 15:45			14 Jul 2022 16:55	1
HS22070538-10	WG-1620-MW15A-20220711	11 Jul 2022 16:45			14 Jul 2022 17:17	1
HS22070538-11	WG-1620-MW88C-20220711	11 Jul 2022 17:45			14 Jul 2022 17:38	1
HS22070538-12	WG-1620-FB01-20220711	11 Jul 2022 18:15			14 Jul 2022 13:42	1
HS22070538-13	WG-1620-FB02-20220712	12 Jul 2022 07:15			14 Jul 2022 14:03	1

WorkOrder: HS22070538
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	0.00125	0.000993	0.000400	0.00200

WorkOrder: HS22070538
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	0.000065	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000049	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000048	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000059	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000067	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000052	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000080	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.00020	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000053	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000048	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000059	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000050	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000069	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00012	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000055	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000085	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000054	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000045	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000052	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000067	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000077	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000078	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000052	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000070	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000052	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: HS22070538
InstrumentID: VOA10
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	0.00070	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00059	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.0010	0.00061	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00063	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.0010	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00062	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00051	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0019	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

QC BATCH REPORT

Batch ID: 181508 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181508** Units: **mg/L** Analysis Date: **22-Jul-2022 20:13**
Client ID: Run ID: **ICPMS07_413550** SeqNo: **6761402** PrepDate: **22-Jul-2022** 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-181508** Units: **mg/L** Analysis Date: **22-Jul-2022 20:15**
Client ID: Run ID: **ICPMS07_413550** SeqNo: **6761403** PrepDate: **22-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05114	0.00200	0.05	0	102	80 - 120				

MS Sample ID: **HS22070538-02MS** Units: **mg/L** Analysis Date: **25-Jul-2022 14:32**
Client ID: **WG-1620-MW20A-20220711** Run ID: **ICPMS07_413678** SeqNo: **6764138** PrepDate: **22-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05456	0.00200	0.05	0.005738	97.7	80 - 120				

MSD Sample ID: **HS22070538-02MSD** Units: **mg/L** Analysis Date: **25-Jul-2022 14:34**
Client ID: **WG-1620-MW20A-20220711** Run ID: **ICPMS07_413678** SeqNo: **6764139** PrepDate: **22-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0597	0.00200	0.05	0.005738	108	80 - 120	0.05456	9	20	

PDS Sample ID: **HS22070538-02PDS** Units: **mg/L** Analysis Date: **22-Jul-2022 20:26**
Client ID: **WG-1620-MW20A-20220711** Run ID: **ICPMS07_413550** SeqNo: **6761408** PrepDate: **22-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1065	0.00200	0.1	0.005738	101	75 - 125				

SD Sample ID: **HS22070538-02SD** Units: **mg/L** Analysis Date: **22-Jul-2022 20:19**
Client ID: **WG-1620-MW20A-20220711** Run ID: **ICPMS07_413550** SeqNo: **6761405** PrepDate: **22-Jul-2022** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.004885	0.0100					0.005738	0	10	J

The following samples were analyzed in this batch:

HS22070538-02	HS22070538-03	HS22070538-04	HS22070538-05
HS22070538-06	HS22070538-07	HS22070538-08	HS22070538-09
HS22070538-10	HS22070538-11	HS22070538-12	HS22070538-13

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

QC BATCH REPORT

Batch ID: 181195 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181195** Units: **ug/L** Analysis Date: **23-Jul-2022 11:07**
Client ID: Run ID: **SV-7_413562** SeqNo: **6763811** PrepDate: **14-Jul-2022** 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	0.20								
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	*3.507*	*0.20*	*5*	*0*	*70.1*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.712*	*0.20*	*5*	*0*	*74.2*	*40 - 125*				
Surr: 2-Fluorophenol	*2.747*	*0.20*	*5*	*0*	*54.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.014*	*0.20*	*5*	*0*	*100*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.782*	*0.20*	*5*	*0*	*75.6*	*41 - 120*				
Surr: Phenol-d6	*3.139*	*0.20*	*5*	*0*	*62.8*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

QC BATCH REPORT

Batch ID: 181195 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181195** Units: **ug/L** Analysis Date: **23-Jul-2022 11:27**
Client ID: Run ID: **SV-7_413562** SeqNo: **6763812** PrepDate: **14-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	5.144	0.20	5	0	103	39 - 127				
2,4-Dimethylphenol	3.636	0.20	5	0	72.7	35 - 120				
2,4-Dinitrotoluene	4.396	0.20	5	0	87.9	50 - 122				
2,6-Dinitrotoluene	4.357	0.20	5	0	87.1	50 - 120				
2-Chloronaphthalene	4.677	0.20	5	0	93.5	50 - 120				
2-Methylnaphthalene	4.226	0.10	5	0	84.5	50 - 120				
4,6-Dinitro-2-methylphenol	4.743	0.20	5	0	94.9	25 - 121				
4-Nitrophenol	5.488	1.0	5	0	110	30 - 130				
Acenaphthene	4.229	0.10	5	0	84.6	45 - 120				
Acenaphthylene	4.13	0.10	5	0	82.6	47 - 120				
Anthracene	4.787	0.10	5	0	95.7	45 - 120				
Benz(a)anthracene	4.495	0.10	5	0	89.9	40 - 120				
Benzo(a)pyrene	3.659	0.10	5	0	73.2	45 - 120				
Bis(2-chloroethoxy)methane	4.25	0.20	5	0	85.0	45 - 120				
Bis(2-ethylhexyl)phthalate	4.443	0.20	5	0	88.9	40 - 139				
Chrysene	5.215	0.10	5	0	104	43 - 120				
Dibenzofuran	4.379	0.10	5	0	87.6	50 - 120				
Di-n-butyl phthalate	4.464	0.20	5	0	89.3	45 - 123				
Fluoranthene	4.524	0.10	5	0	90.5	45 - 125				
Fluorene	4.464	0.10	5	0	89.3	49 - 120				
Naphthalene	3.961	0.10	5	0	79.2	45 - 120				
Nitrobenzene	4.003	0.20	5	0	80.1	44 - 120				
N-Nitrosodiphenylamine	4.339	0.20	5	0	86.8	40 - 125				
Pentachlorophenol	3.847	0.20	5	0	76.9	19 - 121				
Phenanthrene	4.538	0.10	5	0	90.8	45 - 121				
Phenol	4.376	0.20	5	0	87.5	20 - 124				
Pyrene	4.478	0.10	5	0	89.6	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.179*	*0.20*	*5*	*0*	*83.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.952*	*0.20*	*5*	*0*	*79.0*	*40 - 125*				
Surr: 2-Fluorophenol	*3.115*	*0.20*	*5*	*0*	*62.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.762*	*0.20*	*5*	*0*	*95.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.019*	*0.20*	*5*	*0*	*80.4*	*41 - 120*				
Surr: Phenol-d6	*3.72*	*0.20*	*5*	*0*	*74.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

QC BATCH REPORT

Batch ID: 181195 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-181195** Units: **ug/L** Analysis Date: **23-Jul-2022 11:48**
Client ID: Run ID: **SV-7_413562** SeqNo: **6763813** PrepDate: **14-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.295	0.20	5	0	85.9	39 - 127	5.144	18	20	
2,4-Dimethylphenol	3.739	0.20	5	0	74.8	35 - 120	3.636	2.78	20	
2,4-Dinitrotoluene	4.246	0.20	5	0	84.9	50 - 122	4.396	3.46	20	
2,6-Dinitrotoluene	4.48	0.20	5	0	89.6	50 - 120	4.357	2.77	20	
2-Chloronaphthalene	4.689	0.20	5	0	93.8	50 - 120	4.677	0.266	20	
2-Methylnaphthalene	4.272	0.10	5	0	85.4	50 - 120	4.226	1.07	20	
4,6-Dinitro-2-methylphenol	4.762	0.20	5	0	95.2	25 - 121	4.743	0.394	30	
4-Nitrophenol	5.04	1.0	5	0	101	30 - 130	5.488	8.5	20	
Acenaphthene	4.129	0.10	5	0	82.6	45 - 120	4.229	2.39	20	
Acenaphthylene	4.111	0.10	5	0	82.2	47 - 120	4.13	0.459	20	
Anthracene	4.553	0.10	5	0	91.1	45 - 120	4.787	5.01	20	
Benz(a)anthracene	4.31	0.10	5	0	86.2	40 - 120	4.495	4.19	20	
Benzo(a)pyrene	3.547	0.10	5	0	70.9	45 - 120	3.659	3.13	20	
Bis(2-chloroethoxy)methane	4.089	0.20	5	0	81.8	45 - 120	4.25	3.85	20	
Bis(2-ethylhexyl)phthalate	4.119	0.20	5	0	82.4	40 - 139	4.443	7.58	20	
Chrysene	5.238	0.10	5	0	105	43 - 120	5.215	0.447	20	
Dibenzofuran	4.164	0.10	5	0	83.3	50 - 120	4.379	5.04	20	
Di-n-butyl phthalate	4.322	0.20	5	0	86.4	45 - 123	4.464	3.24	20	
Fluoranthene	4.42	0.10	5	0	88.4	45 - 125	4.524	2.34	20	
Fluorene	4.339	0.10	5	0	86.8	49 - 120	4.464	2.85	20	
Naphthalene	3.925	0.10	5	0	78.5	45 - 120	3.961	0.917	20	
Nitrobenzene	3.447	0.20	5	0	68.9	44 - 120	4.003	14.9	20	
N-Nitrosodiphenylamine	4.171	0.20	5	0	83.4	40 - 125	4.339	3.94	20	
Pentachlorophenol	4.202	0.20	5	0	84.0	19 - 121	3.847	8.81	20	
Phenanthrene	4.344	0.10	5	0	86.9	45 - 121	4.538	4.36	20	
Phenol	4.133	0.20	5	0	82.7	20 - 124	4.376	5.72	20	
Pyrene	4.546	0.10	5	0	90.9	40 - 130	4.478	1.51	20	
Surr: 2,4,6-Tribromophenol	*4.436*	*0.20*	*5*	*0*	*88.7*	*34 - 129*	*4.179*	*5.95*	*20*	
Surr: 2-Fluorobiphenyl	*4.123*	*0.20*	*5*	*0*	*82.5*	*40 - 125*	*3.952*	*4.23*	*20*	
Surr: 2-Fluorophenol	*3.109*	*0.20*	*5*	*0*	*62.2*	*20 - 120*	*3.115*	*0.187*	*20*	
Surr: 4-Terphenyl-d14	*4.897*	*0.20*	*5*	*0*	*97.9*	*40 - 135*	*4.762*	*2.78*	*20*	
Surr: Nitrobenzene-d5	*3.591*	*0.20*	*5*	*0*	*71.8*	*41 - 120*	*4.019*	*11.2*	*20*	
Surr: Phenol-d6	*3.736*	*0.20*	*5*	*0*	*74.7*	*20 - 120*	*3.72*	*0.427*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

QC BATCH REPORT

Batch ID: 181195 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22070538-02	HS22070538-03	HS22070538-04	HS22070538-05
HS22070538-06	HS22070538-07	HS22070538-08	HS22070538-09
HS22070538-10	HS22070538-11	HS22070538-12	HS22070538-13

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

QC BATCH REPORT

Batch ID: R412875 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220714** Units: **ug/L** Analysis Date: **14-Jul-2022 09:46**
Client ID: Run ID: **VOA10_412875** SeqNo: **6745214** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*54.15*	*1.0*	*50*	*0*	*108*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.37*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*55.7*	*1.0*	*50*	*0*	*111*	*73 - 126*				
Surr: Toluene-d8	*47.35*	*1.0*	*50*	*0*	*94.7*	*81 - 120*				

LCS Sample ID: **VLCSW-220714** Units: **ug/L** Analysis Date: **14-Jul-2022 09:03**
Client ID: Run ID: **VOA10_412875** SeqNo: **6745213** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	23.41	1.0	20	0	117	70 - 124				
Benzene	20.36	1.0	20	0	102	74 - 120				
Chlorobenzene	23.28	1.0	20	0	116	76 - 113				S
Ethylbenzene	20.81	1.0	20	0	104	77 - 117				
Methylene chloride	21.47	2.0	20	0	107	70 - 127				
Toluene	21.41	1.0	20	0	107	77 - 118				
Vinyl chloride	20.95	1.0	20	0	105	70 - 130				
Xylenes, Total	69.08	1.0	60	0	115	75 - 122				
Surr: 1,2-Dichloroethane-d4	*54.11*	*1.0*	*50*	*0*	*108*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.39*	*1.0*	*50*	*0*	*98.8*	*77 - 113*				
Surr: Dibromofluoromethane	*53.02*	*1.0*	*50*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*51.28*	*1.0*	*50*	*0*	*103*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070538

QC BATCH REPORT

Batch ID: R412875 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070532-02MS** Units: **ug/L** Analysis Date: **14-Jul-2022 10:29**
Client ID: Run ID: **VOA10_412875** SeqNo: **6745377** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	23.59	1.0	20	0	118	70 - 127				
Benzene	21.4	1.0	20	0	107	70 - 127				
Chlorobenzene	23.5	1.0	20	0	117	70 - 114				S
Ethylbenzene	21.14	1.0	20	0	106	70 - 124				
Methylene chloride	23.29	2.0	20	0	116	70 - 128				
Toluene	20.61	1.0	20	0	103	70 - 123				
Vinyl chloride	28.46	1.0	20	0	142	70 - 130				S
Xylenes, Total	67.89	1.0	60	0	113	70 - 130				
Surr: 1,2-Dichloroethane-d4	*59.44*	*1.0*	*50*	*0*	*119*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.04*	*1.0*	*50*	*0*	*98.1*	*77 - 113*				
Surr: Dibromofluoromethane	*53.78*	*1.0*	*50*	*0*	*108*	*77 - 123*				
Surr: Toluene-d8	*48.11*	*1.0*	*50*	*0*	*96.2*	*82 - 127*				

MSD Sample ID: **HS22070532-02MSD** Units: **ug/L** Analysis Date: **14-Jul-2022 10:50**
Client ID: Run ID: **VOA10_412875** SeqNo: **6745378** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	23.32	1.0	20	0	117	70 - 127	23.59	1.19	20	
Benzene	20.37	1.0	20	0	102	70 - 127	21.4	4.96	20	
Chlorobenzene	23.8	1.0	20	0	119	70 - 114	23.5	1.27	20	S
Ethylbenzene	21.2	1.0	20	0	106	70 - 124	21.14	0.264	20	
Methylene chloride	22.63	2.0	20	0	113	70 - 128	23.29	2.87	20	
Toluene	19.17	1.0	20	0	95.8	70 - 123	20.61	7.27	20	
Vinyl chloride	24	1.0	20	0	120	70 - 130	28.46	17	20	
Xylenes, Total	70.28	1.0	60	0	117	70 - 130	67.89	3.46	20	
Surr: 1,2-Dichloroethane-d4	*54.02*	*1.0*	*50*	*0*	*108*	*70 - 126*	*59.44*	*9.57*	*20*	
Surr: 4-Bromofluorobenzene	*48.35*	*1.0*	*50*	*0*	*96.7*	*77 - 113*	*49.04*	*1.41*	*20*	
Surr: Dibromofluoromethane	*53.96*	*1.0*	*50*	*0*	*108*	*77 - 123*	*53.78*	*0.33*	*20*	
Surr: Toluene-d8	*46.36*	*1.0*	*50*	*0*	*92.7*	*82 - 127*	*48.11*	*3.71*	*20*	

The following samples were analyzed in this batch:

HS22070538-01	HS22070538-02	HS22070538-03	HS22070538-04
HS22070538-05	HS22070538-06	HS22070538-07	HS22070538-08
HS22070538-09	HS22070538-10	HS22070538-11	HS22070538-12
HS22070538-13			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22070538**

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
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352 2021-2022	31-Jul-2022
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932021-12	30-Jul-2022

Sample Receipt Checklist

Work Order ID: HS22070538 **Date/Time Received:** **12-Jul-2022 12:05**

Client Name: PBW **Received by:** **Corey Grandits**

Completed By:	/S/ Nilesh D. Ranchod	12-Jul-2022 18:46	**Reviewed by:**	/S/ Dane J. Wacasey	13-Jul-2022 12:32
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** 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:275051/275053
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):	1.7C/2.2C, 3.2C/3.7C, 2.3C/2.8C UC/C	IR #31	
Cooler(s)/Kit(s):	49127/47452/43168		
Date/Time sample(s) sent to storage:	07/12/2022 19:00		
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 Form

COC ID: 275051

HS22070538

WSP Golder
Houston TX-Wood Preserving Works

Customer Information		Project Information		ALS Project Manager:
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	
Work Order		Project Number	1620-01-Rev0 SR 92688	
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	
Phone	(512) 671-3434	Phone		
Fax	(512) 671-3446	Fax		
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		

A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D ICP_TW (5636002 Metals - As) [120ml PI HNO3]
E
F
G
H
I
J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-TB 01 - 20220711	7-11-22	—	Water	1	2	X										
2	WG-1620-MW20A-20220711		0920	W		6	X		X	X							
3	WG-1620-MW14-20220711		1015	W		6	X		X	X							
4	WG-1620-MW4DB-20220711		1110	W		6	X		X	X							
5	WG-1620-MW42B-20220711		1205	W		6	X		X	X							
6	WG-1620-MW13-20220711		1300	W		6	X		X	X							
7	WG-1620-MW39B-20220711		1355	W		6	X		X	X							
8	WG-1620-MW15B-20220711		1450	W		6	X		X	X							
9	WG-1620-MW15C-20220711		1545	W		6	X		X	X							
10	WG-1620-MW15A-20220711		1645	W		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAUTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: [signature] Date: 7-12-22 Time: 1205

Received by:

Relinquished by: Date: Time:

Received by (Laboratory): [signature] 7-12-22 1205

Logged by (Laboratory): Date: Time:

Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
1R21	0.5°C
94127	1.7°C
97452	3.2°C
93168	2.3°C

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.

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Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 275053

HS22070538

WV

WSP Golder

Houston TX-Wood Preserving Works

Customer Information		Project Information	
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev0 SR 92688
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

ALS Project Manager:

A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D ICP_TW (5636002 Metals - As) [120ml PI HNO3]
E
F
G
H
I
J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WQ-1620-TB~~			~~Water~~													
2	WG-1620-MW88C-20220711	7-11-22	1745	W		6	X		X	X							
3	WG-1620-FB01-20220711	7-11-22	1815	W		6	X		X	X							
4	WG-1620-FB02-20220712	7-12-22	0715	W		6	X		X	X							
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: — Date: 7-12-22 Time: 1205 — Received by:

Relinquished by: — Date: — Time: — Received by (Laboratory): CERETA 7-12-22 1205

Logged by (Laboratory): — Date: — Time: — Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

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.
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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

July 29, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22070669**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 23 sample(s) on Jul 14, 2022 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: DANE.WACASEY
Dane J. Wacasey

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22070669**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22070669**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 07/28/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070669					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181301,181302,181596,181597,R412962,R413033,R413084					
#[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					
		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 effects 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					

Laboratory Review Checklist: Supporting Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 07/28/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070669					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181301,181302,181596,181597,R412962,R413033,R413084					
#[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: 07/28/2022
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS22070669
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 181301,181302,181596,181597,R412962,R413033,R413084

ER#[5]	Description
1	Semivolatile Organics Method SW8270, for multiple samples the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 181302, Semivolatile Organics Method SW8270, sample HS22070785-03, MSD was performed on unrelated sample
3	Batch 181302, Semivolatile Organics Method SW8270, sample HS22070785-03, MS/MSD is for an unrelated sample
4	Batch 181301, Semivolatile Organics Method SW8270, samples WG-1620-MW12A-20220713, WG-1620-MW17C-20220712 , WG-1620-MW62B-20220713; 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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22070669

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22070669-01	WG-1620-TB02-20220712	Water		12-Jul-2022 00:00	14-Jul-2022 10:35	☐
HS22070669-02	WG-1620-MW18C-20220712	Water		12-Jul-2022 08:15	14-Jul-2022 10:35	☐
HS22070669-03	WG-1620-MW18A-20220712	Water		12-Jul-2022 09:05	14-Jul-2022 10:35	☐
HS22070669-04	WG-1620-MW58A-20220712	Water		12-Jul-2022 10:00	14-Jul-2022 10:35	☐
HS22070669-05	WG-1620-MW57A-20220712	Water		12-Jul-2022 10:55	14-Jul-2022 10:35	☐
HS22070669-06	WG-1620-MW57B-20220712	Water		12-Jul-2022 11:45	14-Jul-2022 10:35	☐
HS22070669-07	WG-1620-MW19C-20220712	Water		12-Jul-2022 13:15	14-Jul-2022 10:35	☐
HS22070669-08	WG-1620-MW72B-20220712	Water		12-Jul-2022 14:20	14-Jul-2022 10:35	☐
HS22070669-09	WG-1620-MW23C-20220712	Water		12-Jul-2022 15:15	14-Jul-2022 10:35	☐
HS22070669-10	WG-1620-MW17-20220712	Water		12-Jul-2022 16:10	14-Jul-2022 10:35	☐
HS22070669-11	WG-1620-MW17C-20220712	Water		12-Jul-2022 17:00	14-Jul-2022 10:35	☐
HS22070669-12	WG-1620-MW88A-20220712	Water		12-Jul-2022 18:00	14-Jul-2022 10:35	☐
HS22070669-13	WG-1620-FB03-20220713	Water		13-Jul-2022 07:10	14-Jul-2022 10:35	☐
HS22070669-14	WG-1620-MW88B-20220713	Water		13-Jul-2022 08:05	14-Jul-2022 10:35	☐
HS22070669-15	WG-1620-MW12C-20220713	Water		13-Jul-2022 09:05	14-Jul-2022 10:35	☐
HS22070669-16	WG-1620-MW12A-20220713	Water		13-Jul-2022 10:00	14-Jul-2022 10:35	☐
HS22070669-17	WG-1620-TW41B-20220713	Water		13-Jul-2022 10:55	14-Jul-2022 10:35	☐
HS22070669-18	WG-1620-MW62B-20220713	Water		13-Jul-2022 11:55	14-Jul-2022 10:35	☐
HS22070669-19	WG-1620-P11-20220713	Water		13-Jul-2022 12:55	14-Jul-2022 10:35	☐
HS22070669-20	WG-1620-MW05-20220713	Water		13-Jul-2022 14:00	14-Jul-2022 10:35	☐
HS22070669-21	WG-1620-MW64A-20220713	Water		13-Jul-2022 15:10	14-Jul-2022 10:35	☐
HS22070669-22	WG-1620-MW09-20220713	Water		13-Jul-2022 16:20	14-Jul-2022 10:35	☐
HS22070669-23	WG-1620-MW03-20220713	Water		13-Jul-2022 17:25	14-Jul-2022 10:35	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB02-20220712
Collection Date: 12-Jul-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:05
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 23:05
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:05
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:05
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:05
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*14-Jul-2022 23:05*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*14-Jul-2022 23:05*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*14-Jul-2022 23:05*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*14-Jul-2022 23:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18C-20220712
Collection Date: 12-Jul-2022 08:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-02
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	15-Jul-2022 00:44
Benzene	**0.98**		**0.0050**	**0.025**	**mg/L**	25	15-Jul-2022 18:01
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 00:44
Ethylbenzene	**0.25**		**0.0075**	**0.025**	**mg/L**	25	15-Jul-2022 18:01
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 00:44
Toluene	**0.70**		**0.0050**	**0.025**	**mg/L**	25	15-Jul-2022 18:01
Xylenes, Total	**0.76**		**0.0075**	**0.025**	**mg/L**	25	15-Jul-2022 18:01
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*15-Jul-2022 00:44*
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*25*	*15-Jul-2022 18:01*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*15-Jul-2022 00:44*
Surr: 4-Bromofluorobenzene	*99.5*			*77-113*	*%REC*	*25*	*15-Jul-2022 18:01*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*15-Jul-2022 00:44*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*25*	*15-Jul-2022 18:01*
Surr: Toluene-d8	*98.8*			*82-127*	*%REC*	*1*	*15-Jul-2022 00:44*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*25*	*15-Jul-2022 18:01*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18C-20220712
Collection Date: 12-Jul-2022 08:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0010		0.0010	0.010	mg/L	50	20-Jul-2022 19:28
2,4-Dimethylphenol	**0.0092**	J	**0.0020**	**0.010**	**mg/L**	50	20-Jul-2022 19:28
2,4-Dinitrotoluene	< 0.0029		0.0029	0.010	mg/L	50	20-Jul-2022 19:28
2,6-Dinitrotoluene	**0.030**		**0.0021**	**0.010**	**mg/L**	50	20-Jul-2022 19:28
2-Chloronaphthalene	**0.0025**	J	**0.0010**	**0.010**	**mg/L**	50	20-Jul-2022 19:28
2-Methylnaphthalene	**0.32**		**0.00095**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
4,6-Dinitro-2-methylphenol	< 0.0010		0.0010	0.010	mg/L	50	20-Jul-2022 19:28
4-Nitrophenol	< 0.0024		0.0024	0.050	mg/L	50	20-Jul-2022 19:28
Acenaphthene	**0.12**		**0.0014**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
Acenaphthylene	**0.0046**	J	**0.00075**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
Anthracene	< 0.00070		0.00070	0.0050	mg/L	50	20-Jul-2022 19:28
Benz(a)anthracene	< 0.0025		0.0025	0.0050	mg/L	50	20-Jul-2022 19:28
Benzo(a)pyrene	< 0.0010		0.0010	0.0050	mg/L	50	20-Jul-2022 19:28
Bis(2-chloroethoxy)methane	< 0.0015		0.0015	0.010	mg/L	50	20-Jul-2022 19:28
Bis(2-ethylhexyl)phthalate	< 0.0018		0.0018	0.010	mg/L	50	20-Jul-2022 19:28
Chrysene	< 0.0010		0.0010	0.0050	mg/L	50	20-Jul-2022 19:28
Dibenzofuran	**0.11**		**0.0010**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
Di-n-butyl phthalate	< 0.0010		0.0010	0.010	mg/L	50	20-Jul-2022 19:28
Fluoranthene	**0.0081**		**0.00050**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
Fluorene	**0.058**		**0.0015**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
Naphthalene	**10**		**0.10**	**0.50**	**mg/L**	5000	25-Jul-2022 19:43
Nitrobenzene	< 0.0012		0.0012	0.010	mg/L	50	20-Jul-2022 19:28
N-Nitrosodiphenylamine	< 0.0012		0.0012	0.010	mg/L	50	20-Jul-2022 19:28
Pentachlorophenol	**0.011**		**0.0040**	**0.010**	**mg/L**	50	20-Jul-2022 19:28
Phenanthrene	**0.073**		**0.0010**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
Phenol	< 0.0018		0.0018	0.010	mg/L	50	20-Jul-2022 19:28
Pyrene	**0.0043**	J	**0.00095**	**0.0050**	**mg/L**	50	20-Jul-2022 19:28
Surr: 2,4,6-Tribromophenol	*137*	*JS*		*34-129*	*%REC*	*50*	*20-Jul-2022 19:28*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*5000*	*25-Jul-2022 19:43*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*5000*	*25-Jul-2022 19:43*
Surr: 2-Fluorobiphenyl	*86.6*	*J*		*40-125*	*%REC*	*50*	*20-Jul-2022 19:28*
Surr: 2-Fluorophenol	*112*	*J*		*20-120*	*%REC*	*50*	*20-Jul-2022 19:28*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*5000*	*25-Jul-2022 19:43*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*5000*	*25-Jul-2022 19:43*
Surr: 4-Terphenyl-d14	*108*	*J*		*40-135*	*%REC*	*50*	*20-Jul-2022 19:28*
Surr: Nitrobenzene-d5	*64.8*	*J*		*41-120*	*%REC*	*50*	*20-Jul-2022 19:28*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*5000*	*25-Jul-2022 19:43*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*5000*	*25-Jul-2022 19:43*
Surr: Phenol-d6	*73.5*	*J*		*20-120*	*%REC*	*50*	*20-Jul-2022 19:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18C-20220712
Collection Date: 12-Jul-2022 08:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.00156**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2022 23:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18A-20220712
Collection Date: 12-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-03
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	15-Jul-2022 01:03
Benzene	**0.54**		**0.0020**	**0.010**	**mg/L**	10	15-Jul-2022 18:21
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 01:03
Ethylbenzene	**0.17**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 01:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 01:03
Toluene	**0.027**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 01:03
Vinyl chloride	**0.0024**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 01:03
Xylenes, Total	**0.14**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 01:03
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*15-Jul-2022 01:03*
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*10*	*15-Jul-2022 18:21*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*15-Jul-2022 01:03*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*10*	*15-Jul-2022 18:21*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*15-Jul-2022 01:03*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*10*	*15-Jul-2022 18:21*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*15-Jul-2022 01:03*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*10*	*15-Jul-2022 18:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18A-20220712
Collection Date: 12-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0010		0.0010	0.010	mg/L	50	20-Jul-2022 19:47
2,4-Dimethylphenol	**3.3**		**0.020**	**0.10**	**mg/L**	500	23-Jul-2022 02:03
2,4-Dinitrotoluene	< 0.0029		0.0029	0.010	mg/L	50	20-Jul-2022 19:47
2,6-Dinitrotoluene	< 0.0021		0.0021	0.010	mg/L	50	20-Jul-2022 19:47
2-Chloronaphthalene	< 0.0010		0.0010	0.010	mg/L	50	20-Jul-2022 19:47
2-Methylnaphthalene	**0.40**		**0.00095**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
4,6-Dinitro-2-methylphenol	< 0.0010		0.0010	0.010	mg/L	50	20-Jul-2022 19:47
4-Nitrophenol	**0.026**	J	**0.0024**	**0.050**	**mg/L**	50	20-Jul-2022 19:47
Acenaphthene	**0.25**		**0.0014**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Acenaphthylene	**0.0080**		**0.00075**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Anthracene	**0.0091**		**0.00070**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Benz(a)anthracene	< 0.0025		0.0025	0.0050	mg/L	50	20-Jul-2022 19:47
Benzo(a)pyrene	< 0.0010		0.0010	0.0050	mg/L	50	20-Jul-2022 19:47
Bis(2-chloroethoxy)methane	< 0.0015		0.0015	0.010	mg/L	50	20-Jul-2022 19:47
Bis(2-ethylhexyl)phthalate	< 0.0018		0.0018	0.010	mg/L	50	20-Jul-2022 19:47
Chrysene	< 0.0010		0.0010	0.0050	mg/L	50	20-Jul-2022 19:47
Dibenzofuran	**0.16**		**0.0010**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Di-n-butyl phthalate	< 0.0010		0.0010	0.010	mg/L	50	20-Jul-2022 19:47
Fluoranthene	**0.0026**	J	**0.00050**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Fluorene	**0.12**		**0.0015**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Naphthalene	**4.2**		**0.010**	**0.050**	**mg/L**	500	23-Jul-2022 02:03
Nitrobenzene	< 0.0012		0.0012	0.010	mg/L	50	20-Jul-2022 19:47
N-Nitrosodiphenylamine	< 0.0012		0.0012	0.010	mg/L	50	20-Jul-2022 19:47
Pentachlorophenol	< 0.0040		0.0040	0.010	mg/L	50	20-Jul-2022 19:47
Phenanthrene	**0.087**		**0.0010**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Phenol	< 0.0018		0.0018	0.010	mg/L	50	20-Jul-2022 19:47
Pyrene	**0.0011**	J	**0.00095**	**0.0050**	**mg/L**	50	20-Jul-2022 19:47
Surr: 2,4,6-Tribromophenol	*131*	*JS*		*34-129*	*%REC*	*50*	*20-Jul-2022 19:47*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*500*	*23-Jul-2022 02:03*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*500*	*23-Jul-2022 02:03*
Surr: 2-Fluorobiphenyl	*87.6*	*J*		*40-125*	*%REC*	*50*	*20-Jul-2022 19:47*
Surr: 2-Fluorophenol	*90.1*	*J*		*20-120*	*%REC*	*50*	*20-Jul-2022 19:47*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*500*	*23-Jul-2022 02:03*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*500*	*23-Jul-2022 02:03*
Surr: 4-Terphenyl-d14	*103*	*J*		*40-135*	*%REC*	*50*	*20-Jul-2022 19:47*
Surr: Nitrobenzene-d5	*89.8*	*J*		*41-120*	*%REC*	*50*	*20-Jul-2022 19:47*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*500*	*23-Jul-2022 02:03*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*500*	*23-Jul-2022 02:03*
Surr: Phenol-d6	*75.8*	*J*		*20-120*	*%REC*	*50*	*20-Jul-2022 19:47*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW18A-20220712
Collection Date: 12-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.0252**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2022 23:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW58A-20220712
Collection Date: 12-Jul-2022 10:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-04
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	15-Jul-2022 01:23
Benzene	**0.0092**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 01:23
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 01:23
Ethylbenzene	**0.00056**	J	**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 01:23
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 01:23
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 01:23
Xylenes, Total	**0.0053**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 01:23
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*15-Jul-2022 01:23*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*15-Jul-2022 01:23*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*15-Jul-2022 01:23*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*15-Jul-2022 01:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works WorkOrder:HS22070669
Sample ID: WG-1620-MW58A-20220712 Lab ID:HS22070669-04
Collection Date: 12-Jul-2022 10:00 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	20-Jul-2022 19:08
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	20-Jul-2022 19:08
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	20-Jul-2022 19:08
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	20-Jul-2022 19:08
2-Chloronaphthalene	**0.000066**	J	**0.000021**	**0.00020**	**mg/L**	1	20-Jul-2022 19:08
2-Methylnaphthalene	**0.0088**		**0.000019**	**0.00010**	**mg/L**	1	20-Jul-2022 19:08
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	20-Jul-2022 19:08
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	20-Jul-2022 19:08
Acenaphthene	**0.089**		**0.00027**	**0.0010**	**mg/L**	10	23-Jul-2022 02:59
Acenaphthylene	**0.00073**		**0.000015**	**0.00010**	**mg/L**	1	20-Jul-2022 19:08
Anthracene	**0.0054**		**0.000014**	**0.00010**	**mg/L**	1	20-Jul-2022 19:08
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	20-Jul-2022 19:08
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	20-Jul-2022 19:08
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	20-Jul-2022 19:08
Bis(2-ethylhexyl)phthalate	**0.00046**		**0.000037**	**0.00020**	**mg/L**	1	20-Jul-2022 19:08
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	20-Jul-2022 19:08
Dibenzofuran	**0.0043**		**0.000020**	**0.00010**	**mg/L**	1	20-Jul-2022 19:08
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	20-Jul-2022 19:08
Fluoranthene	**0.0049**		**0.000010**	**0.00010**	**mg/L**	1	20-Jul-2022 19:08
Fluorene	**0.055**		**0.00030**	**0.0010**	**mg/L**	10	23-Jul-2022 02:59
Naphthalene	**0.014**		**0.00020**	**0.0010**	**mg/L**	10	23-Jul-2022 02:59
Nitrobenzene	**0.0010**		**0.000024**	**0.00020**	**mg/L**	1	20-Jul-2022 19:08
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	20-Jul-2022 19:08
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	20-Jul-2022 19:08
Phenanthrene	**0.023**		**0.00021**	**0.0010**	**mg/L**	10	23-Jul-2022 02:59
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	20-Jul-2022 19:08
Pyrene	**0.0020**		**0.000019**	**0.00010**	**mg/L**	1	20-Jul-2022 19:08
Surr: 2,4,6-Tribromophenol	*76.8*			*34-129*	*%REC*	*10*	*23-Jul-2022 02:59*
Surr: 2,4,6-Tribromophenol	*96.3*			*34-129*	*%REC*	*1*	*20-Jul-2022 19:08*
Surr: 2-Fluorobiphenyl	*55.1*			*40-125*	*%REC*	*1*	*20-Jul-2022 19:08*
Surr: 2-Fluorobiphenyl	*61.5*			*40-125*	*%REC*	*10*	*23-Jul-2022 02:59*
Surr: 2-Fluorophenol	*55.2*			*20-120*	*%REC*	*10*	*23-Jul-2022 02:59*
Surr: 2-Fluorophenol	*45.9*			*20-120*	*%REC*	*1*	*20-Jul-2022 19:08*
Surr: 4-Terphenyl-d14	*84.4*			*40-135*	*%REC*	*1*	*20-Jul-2022 19:08*
Surr: 4-Terphenyl-d14	*95.0*			*40-135*	*%REC*	*10*	*23-Jul-2022 02:59*
Surr: Nitrobenzene-d5	*61.9*			*41-120*	*%REC*	*10*	*23-Jul-2022 02:59*
Surr: Nitrobenzene-d5	*52.8*			*41-120*	*%REC*	*1*	*20-Jul-2022 19:08*
Surr: Phenol-d6	*55.6*			*20-120*	*%REC*	*1*	*20-Jul-2022 19:08*
Surr: Phenol-d6	*56.9*			*20-120*	*%REC*	*10*	*23-Jul-2022 02:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW58A-20220712
Collection Date: 12-Jul-2022 10:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.00459**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2022 23:29

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57A-20220712
Collection Date: 12-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-05
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	15-Jul-2022 01:43
Benzene	**0.0015**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 01:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 01:43
Ethylbenzene	**0.00066**	J	**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 01:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 01:43
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 01:43
Xylenes, Total	**0.0021**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 01:43
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*15-Jul-2022 01:43*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*15-Jul-2022 01:43*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*15-Jul-2022 01:43*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*15-Jul-2022 01:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57A-20220712
Collection Date: 12-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	21-Jul-2022 06:14
2,4-Dimethylphenol	**0.029**		**0.00040**	**0.0020**	**mg/L**	10	21-Jul-2022 06:14
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	21-Jul-2022 06:14
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	21-Jul-2022 06:14
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	21-Jul-2022 06:14
2-Methylnaphthalene	**0.15**		**0.0019**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.0020	mg/L	10	21-Jul-2022 06:14
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	21-Jul-2022 06:14
Acenaphthene	**0.22**		**0.0027**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
Acenaphthylene	**0.0048**		**0.00015**	**0.0010**	**mg/L**	10	21-Jul-2022 06:14
Anthracene	**0.16**		**0.0014**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
Benz(a)anthracene	**0.024**		**0.00050**	**0.0010**	**mg/L**	10	21-Jul-2022 06:14
Benzo(a)pyrene	**0.0095**		**0.00020**	**0.0010**	**mg/L**	10	21-Jul-2022 06:14
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	21-Jul-2022 06:14
Bis(2-ethylhexyl)phthalate	**0.00064**	J	**0.00037**	**0.0020**	**mg/L**	10	21-Jul-2022 06:14
Chrysene	**0.024**		**0.00021**	**0.0010**	**mg/L**	10	21-Jul-2022 06:14
Dibenzofuran	**0.081**		**0.00020**	**0.0010**	**mg/L**	10	21-Jul-2022 06:14
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	21-Jul-2022 06:14
Fluoranthene	**0.28**		**0.0010**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
Fluorene	**0.15**		**0.0030**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
Naphthalene	**0.17**		**0.0020**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	21-Jul-2022 06:14
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	21-Jul-2022 06:14
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	21-Jul-2022 06:14
Phenanthrene	**0.32**		**0.0021**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	21-Jul-2022 06:14
Pyrene	**0.16**		**0.0019**	**0.010**	**mg/L**	100	21-Jul-2022 06:33
Surr: 2,4,6-Tribromophenol	*86.1*			*34-129*	*%REC*	*10*	*21-Jul-2022 06:14*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*21-Jul-2022 06:33*
Surr: 2-Fluorobiphenyl	*59.9*			*40-125*	*%REC*	*10*	*21-Jul-2022 06:14*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*21-Jul-2022 06:33*
Surr: 2-Fluorophenol	*50.6*			*20-120*	*%REC*	*10*	*21-Jul-2022 06:14*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*21-Jul-2022 06:33*
Surr: 4-Terphenyl-d14	*70.6*			*40-135*	*%REC*	*10*	*21-Jul-2022 06:14*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*21-Jul-2022 06:33*
Surr: Nitrobenzene-d5	*51.8*			*41-120*	*%REC*	*10*	*21-Jul-2022 06:14*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*21-Jul-2022 06:33*
Surr: Phenol-d6	*50.1*			*20-120*	*%REC*	*10*	*21-Jul-2022 06:14*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*21-Jul-2022 06:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57A-20220712
Collection Date: 12-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.0157**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2022 23:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57B-20220712
Collection Date: 12-Jul-2022 11:45

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 02:02
Benzene	**1.1**		**0.0050**	**0.025**	**mg/L**	25	15-Jul-2022 18:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 02:02
Ethylbenzene	**0.31**		**0.0075**	**0.025**	**mg/L**	25	15-Jul-2022 18:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 02:02
Toluene	**1.0**		**0.0050**	**0.025**	**mg/L**	25	15-Jul-2022 18:40
Xylenes, Total	**0.87**		**0.0075**	**0.025**	**mg/L**	25	15-Jul-2022 18:40
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*15-Jul-2022 02:02*
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*25*	*15-Jul-2022 18:40*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*15-Jul-2022 02:02*
Surr: 4-Bromofluorobenzene	*99.6*			*77-113*	*%REC*	*25*	*15-Jul-2022 18:40*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*15-Jul-2022 02:02*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*25*	*15-Jul-2022 18:40*
Surr: Toluene-d8	*99.2*			*82-127*	*%REC*	*1*	*15-Jul-2022 02:02*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*25*	*15-Jul-2022 18:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57B-20220712
Collection Date: 12-Jul-2022 11:45

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	21-Jul-2022 06:52
2,4-Dimethylphenol	< 0.040		0.040	0.20	mg/L	1000	21-Jul-2022 07:11
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	21-Jul-2022 06:52
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	21-Jul-2022 06:52
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	21-Jul-2022 06:52
2-Methylnaphthalene	**0.61**		**0.0019**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	21-Jul-2022 06:52
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	21-Jul-2022 06:52
Acenaphthene	**0.22**		**0.0027**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	21-Jul-2022 06:52
Anthracene	**0.023**		**0.0014**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	21-Jul-2022 06:52
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	21-Jul-2022 06:52
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	21-Jul-2022 06:52
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	21-Jul-2022 06:52
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	21-Jul-2022 06:52
Dibenzofuran	**0.18**		**0.0020**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	21-Jul-2022 06:52
Fluoranthene	**0.023**		**0.0010**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
Fluorene	**0.11**		**0.0030**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
Naphthalene	**15**		**0.20**	**1.0**	**mg/L**	10000	23-Jul-2022 02:40
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	21-Jul-2022 06:52
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	21-Jul-2022 06:52
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	21-Jul-2022 06:52
Phenanthrene	**0.13**		**0.0021**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
Phenol	**0.50**		**0.0035**	**0.020**	**mg/L**	100	21-Jul-2022 06:52
Pyrene	**0.011**		**0.0019**	**0.010**	**mg/L**	100	21-Jul-2022 06:52
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*23-Jul-2022 02:40*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*21-Jul-2022 06:52*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*21-Jul-2022 07:11*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*21-Jul-2022 06:52*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*23-Jul-2022 02:40*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*21-Jul-2022 07:11*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Jul-2022 07:11*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*23-Jul-2022 02:40*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*21-Jul-2022 06:52*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*21-Jul-2022 06:52*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*23-Jul-2022 02:40*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*21-Jul-2022 07:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW57B-20220712
Collection Date: 12-Jul-2022 11:45

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-Jul-2022		Analyst: EM
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*21-Jul-2022 07:11*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*23-Jul-2022 02:40*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*21-Jul-2022 06:52*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*21-Jul-2022 06:52*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*23-Jul-2022 02:40*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Jul-2022 07:11*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.00142**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2022 23:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW19C-20220712
Collection Date: 12-Jul-2022 13:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 17:41
Benzene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 17:41
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 17:41
Ethylbenzene	**0.0019**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 17:41
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 17:41
Toluene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 17:41
Xylenes, Total	**0.0035**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 17:41
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*15-Jul-2022 17:41*
Surr: 4-Bromofluorobenzene	*98.4*			*77-113*	*%REC*	*1*	*15-Jul-2022 17:41*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*15-Jul-2022 17:41*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*15-Jul-2022 17:41*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW19C-20220712
Collection Date: 12-Jul-2022 13:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	**0.000050**	J	**0.000021**	**0.00020**	**mg/L**	1	21-Jul-2022 03:04
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 03:04
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 03:04
2,6-Dinitrotoluene	**0.00076**		**0.000042**	**0.00020**	**mg/L**	1	21-Jul-2022 03:04
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 03:04
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 03:04
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 03:04
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	21-Jul-2022 03:04
Acenaphthene	**0.00096**		**0.000027**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 03:04
Anthracene	**0.000059**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 03:04
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 03:04
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 03:04
Bis(2-ethylhexyl)phthalate	**0.00031**		**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2022 03:04
Chrysene	**0.000027**	J	**0.000021**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Dibenzofuran	**0.00042**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Di-n-butyl phthalate	**0.000026**	J	**0.000020**	**0.00020**	**mg/L**	1	21-Jul-2022 03:04
Fluoranthene	**0.00032**		**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Fluorene	**0.00032**		**0.000030**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Naphthalene	**0.00015**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 03:04
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	21-Jul-2022 03:04
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 03:04
Phenanthrene	**0.00013**		**0.000021**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 03:04
Pyrene	**0.00044**		**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2022 03:04
Surr: 2,4,6-Tribromophenol	*88.4*			*34-129*	*%REC*	*1*	*21-Jul-2022 03:04*
Surr: 2-Fluorobiphenyl	*57.1*			*40-125*	*%REC*	*1*	*21-Jul-2022 03:04*
Surr: 2-Fluorophenol	*45.7*			*20-120*	*%REC*	*1*	*21-Jul-2022 03:04*
Surr: 4-Terphenyl-d14	*77.1*			*40-135*	*%REC*	*1*	*21-Jul-2022 03:04*
Surr: Nitrobenzene-d5	*52.7*			*41-120*	*%REC*	*1*	*21-Jul-2022 03:04*
Surr: Phenol-d6	*46.9*			*20-120*	*%REC*	*1*	*21-Jul-2022 03:04*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.00142**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2022 23:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW72B-20220712
Collection Date: 12-Jul-2022 14:20

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-08
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	15-Jul-2022 02:41
Benzene	**0.91**		**0.0020**	**0.010**	**mg/L**	10	15-Jul-2022 19:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 02:41
Ethylbenzene	**0.21**		**0.0030**	**0.010**	**mg/L**	10	15-Jul-2022 19:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 02:41
Toluene	**0.73**		**0.0020**	**0.010**	**mg/L**	10	15-Jul-2022 19:00
Xylenes, Total	**0.60**		**0.0030**	**0.010**	**mg/L**	10	15-Jul-2022 19:00
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*15-Jul-2022 02:41*
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*10*	*15-Jul-2022 19:00*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*15-Jul-2022 02:41*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*10*	*15-Jul-2022 19:00*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*15-Jul-2022 02:41*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*10*	*15-Jul-2022 19:00*
Surr: Toluene-d8	*98.6*			*82-127*	*%REC*	*1*	*15-Jul-2022 02:41*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*10*	*15-Jul-2022 19:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW72B-20220712
Collection Date: 12-Jul-2022 14:20

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.021		0.021	0.20	mg/L	1000	21-Jul-2022 07:49
2,4-Dimethylphenol	**16**		**0.40**	**2.0**	**mg/L**	10000	23-Jul-2022 02:21
2,4-Dinitrotoluene	< 0.058		0.058	0.20	mg/L	1000	21-Jul-2022 07:49
2,6-Dinitrotoluene	< 0.042		0.042	0.20	mg/L	1000	21-Jul-2022 07:49
2-Chloronaphthalene	< 0.021		0.021	0.20	mg/L	1000	21-Jul-2022 07:49
2-Methylnaphthalene	**0.42**		**0.019**	**0.10**	**mg/L**	1000	21-Jul-2022 07:49
4,6-Dinitro-2-methylphenol	< 0.020		0.020	0.20	mg/L	1000	21-Jul-2022 07:49
4-Nitrophenol	< 0.047		0.047	1.0	mg/L	1000	21-Jul-2022 07:49
Acenaphthene	**0.15**		**0.027**	**0.10**	**mg/L**	1000	21-Jul-2022 07:49
Acenaphthylene	< 0.015		0.015	0.10	mg/L	1000	21-Jul-2022 07:49
Anthracene	< 0.014		0.014	0.10	mg/L	1000	21-Jul-2022 07:49
Benz(a)anthracene	< 0.050		0.050	0.10	mg/L	1000	21-Jul-2022 07:49
Benzo(a)pyrene	< 0.020		0.020	0.10	mg/L	1000	21-Jul-2022 07:49
Bis(2-chloroethoxy)methane	< 0.030		0.030	0.20	mg/L	1000	21-Jul-2022 07:49
Bis(2-ethylhexyl)phthalate	< 0.037		0.037	0.20	mg/L	1000	21-Jul-2022 07:49
Chrysene	< 0.021		0.021	0.10	mg/L	1000	21-Jul-2022 07:49
Dibenzofuran	**0.11**		**0.020**	**0.10**	**mg/L**	1000	21-Jul-2022 07:49
Di-n-butyl phthalate	< 0.020		0.020	0.20	mg/L	1000	21-Jul-2022 07:49
Fluoranthene	< 0.010		0.010	0.10	mg/L	1000	21-Jul-2022 07:49
Fluorene	**0.070**	J	**0.030**	**0.10**	**mg/L**	1000	21-Jul-2022 07:49
Naphthalene	**9.4**		**0.020**	**0.10**	**mg/L**	1000	21-Jul-2022 07:49
Nitrobenzene	< 0.024		0.024	0.20	mg/L	1000	21-Jul-2022 07:49
N-Nitrosodiphenylamine	< 0.025		0.025	0.20	mg/L	1000	21-Jul-2022 07:49
Pentachlorophenol	< 0.079		0.079	0.20	mg/L	1000	21-Jul-2022 07:49
Phenanthrene	**0.049**	J	**0.021**	**0.10**	**mg/L**	1000	21-Jul-2022 07:49
Phenol	**4.9**		**0.035**	**0.20**	**mg/L**	1000	21-Jul-2022 07:49
Pyrene	< 0.019		0.019	0.10	mg/L	1000	21-Jul-2022 07:49
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*21-Jul-2022 07:49*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*23-Jul-2022 02:21*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*23-Jul-2022 02:21*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*21-Jul-2022 07:49*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Jul-2022 07:49*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*23-Jul-2022 02:21*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*23-Jul-2022 02:21*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*21-Jul-2022 07:49*
Surr: Nitrobenzene-d5	*5280*	*S*		*41-120*	*%REC*	*1000*	*21-Jul-2022 07:49*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*23-Jul-2022 02:21*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*23-Jul-2022 02:21*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*21-Jul-2022 07:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW72B-20220712
Collection Date: 12-Jul-2022 14:20

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.00312**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 13:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW23C-20220712
Collection Date: 12-Jul-2022 15:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-09
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	15-Jul-2022 03:01
Benzene	**0.0058**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 03:01
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 03:01
Ethylbenzene	**0.17**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 03:01
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 03:01
Toluene	**0.019**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 03:01
Xylenes, Total	**0.12**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 03:01
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*15-Jul-2022 03:01*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*1*	*15-Jul-2022 03:01*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*15-Jul-2022 03:01*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*15-Jul-2022 03:01*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW23C-20220712
Collection Date: 12-Jul-2022 15:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	23-Jul-2022 05:49
2,4-Dimethylphenol	**0.030**		**0.0040**	**0.020**	**mg/L**	100	23-Jul-2022 05:49
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	23-Jul-2022 05:49
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	23-Jul-2022 05:49
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	23-Jul-2022 05:49
2-Methylnaphthalene	**0.82**		**0.0019**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	23-Jul-2022 05:49
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	23-Jul-2022 05:49
Acenaphthene	**0.81**		**0.0027**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Acenaphthylene	**0.012**		**0.0015**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Anthracene	**0.22**		**0.0014**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Benz(a)anthracene	**0.057**		**0.0050**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Benzo(a)pyrene	**0.016**		**0.0020**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	23-Jul-2022 05:49
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	23-Jul-2022 05:49
Chrysene	**0.051**		**0.0021**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Dibenzofuran	**0.79**		**0.0020**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	23-Jul-2022 05:49
Fluoranthene	**0.45**		**0.0010**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Fluorene	**0.50**		**0.0030**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Naphthalene	**9.9**		**0.020**	**0.10**	**mg/L**	1000	25-Jul-2022 22:55
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	23-Jul-2022 05:49
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	23-Jul-2022 05:49
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	23-Jul-2022 05:49
Phenanthrene	**2.0**		**0.021**	**0.10**	**mg/L**	1000	25-Jul-2022 22:55
Phenol	< 0.0035		0.0035	0.020	mg/L	100	23-Jul-2022 05:49
Pyrene	**0.30**		**0.0019**	**0.010**	**mg/L**	100	23-Jul-2022 05:49
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*25-Jul-2022 22:55*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*23-Jul-2022 05:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*23-Jul-2022 05:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*25-Jul-2022 22:55*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*25-Jul-2022 22:55*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 05:49*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*23-Jul-2022 05:49*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*25-Jul-2022 22:55*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*25-Jul-2022 22:55*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*23-Jul-2022 05:49*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 05:49*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*25-Jul-2022 22:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW23C-20220712
Collection Date: 12-Jul-2022 15:15

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.00255**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2022 23:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW17-20220712
Collection Date: 12-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-10
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	15-Jul-2022 03:21
Benzene	**0.50**		**0.0020**	**0.010**	**mg/L**	10	15-Jul-2022 22:16
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 03:21
Ethylbenzene	**0.18**		**0.0030**	**0.010**	**mg/L**	10	15-Jul-2022 22:16
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 03:21
Toluene	**0.75**		**0.0020**	**0.010**	**mg/L**	10	15-Jul-2022 22:16
Xylenes, Total	**0.56**		**0.0030**	**0.010**	**mg/L**	10	15-Jul-2022 22:16
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*15-Jul-2022 03:21*
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*10*	*15-Jul-2022 22:16*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*15-Jul-2022 03:21*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*10*	*15-Jul-2022 22:16*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*15-Jul-2022 03:21*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*10*	*15-Jul-2022 22:16*
Surr: Toluene-d8	*99.6*			*82-127*	*%REC*	*1*	*15-Jul-2022 03:21*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*10*	*15-Jul-2022 22:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW17-20220712
Collection Date: 12-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	23-Jul-2022 04:34
2,4-Dimethylphenol	**4.8**		**0.040**	**0.20**	**mg/L**	1000	23-Jul-2022 04:53
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	23-Jul-2022 04:34
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	23-Jul-2022 04:34
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	23-Jul-2022 04:34
2-Methylnaphthalene	**0.37**		**0.0019**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	23-Jul-2022 04:34
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	23-Jul-2022 04:34
Acenaphthene	**0.15**		**0.0027**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Acenaphthylene	**0.0047**	J	**0.0015**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Anthracene	**0.014**		**0.0014**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	23-Jul-2022 04:34
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	23-Jul-2022 04:34
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	23-Jul-2022 04:34
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	23-Jul-2022 04:34
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	23-Jul-2022 04:34
Dibenzofuran	**0.11**		**0.0020**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	23-Jul-2022 04:34
Fluoranthene	**0.0098**	J	**0.0010**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Fluorene	**0.071**		**0.0030**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Naphthalene	**13**		**0.20**	**1.0**	**mg/L**	10000	25-Jul-2022 22:36
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	23-Jul-2022 04:34
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	23-Jul-2022 04:34
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	23-Jul-2022 04:34
Phenanthrene	**0.068**		**0.0021**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Phenol	**8.4**		**0.035**	**0.20**	**mg/L**	1000	23-Jul-2022 04:53
Pyrene	**0.0058**	J	**0.0019**	**0.010**	**mg/L**	100	23-Jul-2022 04:34
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*23-Jul-2022 04:34*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*23-Jul-2022 04:53*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*25-Jul-2022 22:36*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*25-Jul-2022 22:36*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*23-Jul-2022 04:34*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*23-Jul-2022 04:53*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 04:34*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*23-Jul-2022 04:53*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*25-Jul-2022 22:36*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*25-Jul-2022 22:36*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*23-Jul-2022 04:34*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*23-Jul-2022 04:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW17-20220712
Collection Date: 12-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-Jul-2022		Analyst: EM
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*23-Jul-2022 04:34*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*23-Jul-2022 04:53*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*25-Jul-2022 22:36*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*25-Jul-2022 22:36*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 04:34*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*23-Jul-2022 04:53*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: JHD
Arsenic	**0.0483**		**0.000800**	**0.00400**	**mg/L**	2	26-Jul-2022 23:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070669
Sample ID: WG-1620-MW17C-20220712
Lab ID:HS22070669-11
Collection Date: 12-Jul-2022 17:00
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	15-Jul-2022 03:40
Benzene	**0.0081**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 03:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 03:40
Ethylbenzene	**0.017**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 03:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 03:40
Toluene	**0.0057**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 03:40
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 03:40
Xylenes, Total	**0.022**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 03:40
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*15-Jul-2022 03:40*
Surr: 4-Bromofluorobenzene	*98.5*			*77-113*	*%REC*	*1*	*15-Jul-2022 03:40*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*15-Jul-2022 03:40*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*15-Jul-2022 03:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW17C-20220712
Collection Date: 12-Jul-2022 17:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	23-Jul-2022 03:56
2,4-Dimethylphenol	**0.64**		**0.0040**	**0.020**	**mg/L**	100	23-Jul-2022 03:56
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	23-Jul-2022 03:56
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	23-Jul-2022 03:56
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	23-Jul-2022 03:56
2-Methylnaphthalene	**0.016**		**0.0019**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	23-Jul-2022 03:56
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	23-Jul-2022 03:56
Acenaphthene	**0.042**		**0.0027**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	23-Jul-2022 03:56
Anthracene	**0.0023**	J	**0.0014**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	23-Jul-2022 03:56
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	23-Jul-2022 03:56
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	23-Jul-2022 03:56
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	23-Jul-2022 03:56
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	23-Jul-2022 03:56
Dibenzofuran	**0.031**		**0.0020**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	23-Jul-2022 03:56
Fluoranthene	**0.0012**	J	**0.0010**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
Fluorene	**0.017**		**0.0030**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
Naphthalene	**0.25**		**0.0020**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	23-Jul-2022 03:56
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	23-Jul-2022 03:56
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	23-Jul-2022 03:56
Phenanthrene	**0.016**		**0.0021**	**0.010**	**mg/L**	100	23-Jul-2022 03:56
Phenol	< 0.0035		0.0035	0.020	mg/L	100	23-Jul-2022 03:56
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	23-Jul-2022 03:56
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*23-Jul-2022 03:56*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*23-Jul-2022 03:56*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 03:56*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*23-Jul-2022 03:56*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*23-Jul-2022 03:56*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 03:56*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.000869**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 13:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88A-20220712
Collection Date: 12-Jul-2022 18:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 04:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 04:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 04:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 04:00
Xylenes, Total	**0.00060**	J	**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 04:00
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*15-Jul-2022 04:00*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*15-Jul-2022 04:00*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*15-Jul-2022 04:00*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*15-Jul-2022 04:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88A-20220712
Collection Date: 12-Jul-2022 18:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 05:11
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	23-Jul-2022 05:11
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	23-Jul-2022 05:11
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	23-Jul-2022 05:11
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	23-Jul-2022 05:11
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	23-Jul-2022 05:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	23-Jul-2022 05:11
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	23-Jul-2022 05:11
Acenaphthene	**0.000032**	J	**0.000027**	**0.00010**	**mg/L**	1	23-Jul-2022 05:11
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	23-Jul-2022 05:11
Anthracene	**0.000079**	J	**0.000014**	**0.00010**	**mg/L**	1	23-Jul-2022 05:11
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	23-Jul-2022 05:11
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 05:11
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	23-Jul-2022 05:11
Bis(2-ethylhexyl)phthalate	**0.00046**		**0.000037**	**0.00020**	**mg/L**	1	23-Jul-2022 05:11
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 05:11
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 05:11
Di-n-butyl phthalate	**0.000025**	J	**0.000020**	**0.00020**	**mg/L**	1	23-Jul-2022 05:11
Fluoranthene	**0.000080**	J	**0.000010**	**0.00010**	**mg/L**	1	23-Jul-2022 05:11
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	23-Jul-2022 05:11
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	23-Jul-2022 05:11
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	23-Jul-2022 05:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	23-Jul-2022 05:11
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	23-Jul-2022 05:11
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	23-Jul-2022 05:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	23-Jul-2022 05:11
Pyrene	**0.00033**		**0.000019**	**0.00010**	**mg/L**	1	23-Jul-2022 05:11
Surr: 2,4,6-Tribromophenol	*80.4*			*34-129*	*%REC*	*1*	*23-Jul-2022 05:11*
Surr: 2-Fluorobiphenyl	*68.3*			*40-125*	*%REC*	*1*	*23-Jul-2022 05:11*
Surr: 2-Fluorophenol	*58.3*			*20-120*	*%REC*	*1*	*23-Jul-2022 05:11*
Surr: 4-Terphenyl-d14	*89.8*			*40-135*	*%REC*	*1*	*23-Jul-2022 05:11*
Surr: Nitrobenzene-d5	*62.7*			*41-120*	*%REC*	*1*	*23-Jul-2022 05:11*
Surr: Phenol-d6	*62.0*			*20-120*	*%REC*	*1*	*23-Jul-2022 05:11*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.00250**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 13:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070669
Sample ID: WG-1620-FB03-20220713
Lab ID:HS22070669-13
Collection Date: 13-Jul-2022 07:10
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	14-Jul-2022 23:25
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:25
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:25
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:25
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 23:25
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:25
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:25
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:25
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*14-Jul-2022 23:25*
Surr: 4-Bromofluorobenzene	*96.1*			*77-113*	*%REC*	*1*	*14-Jul-2022 23:25*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*14-Jul-2022 23:25*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*14-Jul-2022 23:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB03-20220713
Collection Date: 13-Jul-2022 07:10

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 03:42
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 03:42
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 03:42
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	21-Jul-2022 03:42
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 03:42
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 03:42
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 03:42
4-Nitrophenol	**0.00017**	J	**0.000047**	**0.0010**	**mg/L**	1	21-Jul-2022 03:42
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	21-Jul-2022 03:42
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 03:42
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	21-Jul-2022 03:42
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 03:42
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 03:42
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 03:42
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	21-Jul-2022 03:42
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 03:42
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 03:42
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 03:42
Fluoranthene	**0.000011**	J	**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2022 03:42
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	21-Jul-2022 03:42
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 03:42
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 03:42
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	21-Jul-2022 03:42
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 03:42
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 03:42
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 03:42
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 03:42
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*1*	*21-Jul-2022 03:42*
Surr: 2-Fluorobiphenyl	*80.2*			*40-125*	*%REC*	*1*	*21-Jul-2022 03:42*
Surr: 2-Fluorophenol	*70.9*			*20-120*	*%REC*	*1*	*21-Jul-2022 03:42*
Surr: 4-Terphenyl-d14	*84.2*			*40-135*	*%REC*	*1*	*21-Jul-2022 03:42*
Surr: Nitrobenzene-d5	*74.9*			*41-120*	*%REC*	*1*	*21-Jul-2022 03:42*
Surr: Phenol-d6	*69.5*			*20-120*	*%REC*	*1*	*21-Jul-2022 03:42*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	27-Jul-2022 14:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88B-20220713
Collection Date: 13-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-14
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	14-Jul-2022 23:45
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:45
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:45
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:45
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2022 23:45
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2022 23:45
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2022 23:45
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*14-Jul-2022 23:45*
Surr: 4-Bromofluorobenzene	*97.4*			*77-113*	*%REC*	*1*	*14-Jul-2022 23:45*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*14-Jul-2022 23:45*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*14-Jul-2022 23:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW88B-20220713
Collection Date: 13-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-14
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	20-Jul-2022 15:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	20-Jul-2022 15:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	20-Jul-2022 15:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	20-Jul-2022 15:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	20-Jul-2022 15:20
2-Methylnaphthalene	**0.00013**		**0.000019**	**0.00010**	**mg/L**	1	20-Jul-2022 15:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	20-Jul-2022 15:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	20-Jul-2022 15:20
Acenaphthene	**0.000057**	J	**0.000027**	**0.00010**	**mg/L**	1	20-Jul-2022 15:20
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	20-Jul-2022 15:20
Anthracene	**0.000019**	J	**0.000014**	**0.00010**	**mg/L**	1	20-Jul-2022 15:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	20-Jul-2022 15:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	20-Jul-2022 15:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	20-Jul-2022 15:20
Bis(2-ethylhexyl)phthalate	**0.00056**		**0.000037**	**0.00020**	**mg/L**	1	20-Jul-2022 15:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	20-Jul-2022 15:20
Dibenzofuran	**0.000051**	J	**0.000020**	**0.00010**	**mg/L**	1	20-Jul-2022 15:20
Di-n-butyl phthalate	**0.000023**	J	**0.000020**	**0.00020**	**mg/L**	1	20-Jul-2022 15:20
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	20-Jul-2022 15:20
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	20-Jul-2022 15:20
Naphthalene	**0.0010**		**0.000020**	**0.00010**	**mg/L**	1	20-Jul-2022 15:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	20-Jul-2022 15:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	20-Jul-2022 15:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	20-Jul-2022 15:20
Phenanthrene	**0.000023**	J	**0.000021**	**0.00010**	**mg/L**	1	20-Jul-2022 15:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	20-Jul-2022 15:20
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	20-Jul-2022 15:20
Surr: 2,4,6-Tribromophenol	*65.3*			*34-129*	*%REC*	*1*	*20-Jul-2022 15:20*
Surr: 2-Fluorobiphenyl	*51.6*			*40-125*	*%REC*	*1*	*20-Jul-2022 15:20*
Surr: 2-Fluorophenol	*46.4*			*20-120*	*%REC*	*1*	*20-Jul-2022 15:20*
Surr: 4-Terphenyl-d14	*89.4*			*40-135*	*%REC*	*1*	*20-Jul-2022 15:20*
Surr: Nitrobenzene-d5	*50.9*			*41-120*	*%REC*	*1*	*20-Jul-2022 15:20*
Surr: Phenol-d6	*49.7*			*20-120*	*%REC*	*1*	*20-Jul-2022 15:20*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.00102**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 14:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12C-20220713
Collection Date: 13-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-15
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	15-Jul-2022 04:20
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 04:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:20
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 04:20
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 04:20
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:20
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*15-Jul-2022 04:20*
Surr: 4-Bromofluorobenzene	*98.2*			*77-113*	*%REC*	*1*	*15-Jul-2022 04:20*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*15-Jul-2022 04:20*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*15-Jul-2022 04:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12C-20220713
Collection Date: 13-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-15
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 05:36
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 05:36
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 05:36
2,6-Dinitrotoluene	**0.061**		**0.00042**	**0.0020**	**mg/L**	10	21-Jul-2022 05:55
2-Chloronaphthalene	**0.000023**	J	**0.000021**	**0.00020**	**mg/L**	1	21-Jul-2022 05:36
2-Methylnaphthalene	**0.000077**	J	**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2022 05:36
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 05:36
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	21-Jul-2022 05:36
Acenaphthene	**0.000055**	J	**0.000027**	**0.00010**	**mg/L**	1	21-Jul-2022 05:36
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 05:36
Anthracene	**0.000025**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2022 05:36
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 05:36
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 05:36
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 05:36
Bis(2-ethylhexyl)phthalate	**0.00033**		**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2022 05:36
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 05:36
Dibenzofuran	**0.000052**	J	**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 05:36
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 05:36
Fluoranthene	**0.000013**	J	**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2022 05:36
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	21-Jul-2022 05:36
Naphthalene	**0.00068**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 05:36
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 05:36
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	21-Jul-2022 05:36
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 05:36
Phenanthrene	**0.000051**	J	**0.000021**	**0.00010**	**mg/L**	1	21-Jul-2022 05:36
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 05:36
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 05:36
Surr: 2,4,6-Tribromophenol	*81.3*			*34-129*	*%REC*	*1*	*21-Jul-2022 05:36*
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*10*	*21-Jul-2022 05:55*
Surr: 2-Fluorobiphenyl	*78.3*			*40-125*	*%REC*	*10*	*21-Jul-2022 05:55*
Surr: 2-Fluorobiphenyl	*57.7*			*40-125*	*%REC*	*1*	*21-Jul-2022 05:36*
Surr: 2-Fluorophenol	*51.4*			*20-120*	*%REC*	*1*	*21-Jul-2022 05:36*
Surr: 2-Fluorophenol	*73.5*			*20-120*	*%REC*	*10*	*21-Jul-2022 05:55*
Surr: 4-Terphenyl-d14	*85.5*			*40-135*	*%REC*	*1*	*21-Jul-2022 05:36*
Surr: 4-Terphenyl-d14	*118*			*40-135*	*%REC*	*10*	*21-Jul-2022 05:55*
Surr: Nitrobenzene-d5	*55.5*			*41-120*	*%REC*	*1*	*21-Jul-2022 05:36*
Surr: Nitrobenzene-d5	*75.0*			*41-120*	*%REC*	*10*	*21-Jul-2022 05:55*
Surr: Phenol-d6	*50.7*			*20-120*	*%REC*	*1*	*21-Jul-2022 05:36*
Surr: Phenol-d6	*72.5*			*20-120*	*%REC*	*10*	*21-Jul-2022 05:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12C-20220713
Collection Date: 13-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-15
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.00224**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 14:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070669
Sample ID: WG-1620-MW12A-20220713
Lab ID:HS22070669-16
Collection Date: 13-Jul-2022 10:00
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	15-Jul-2022 04:39
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 04:39
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:39
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:39
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 04:39
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 04:39
Xylenes, Total	**0.0013**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 04:39
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*15-Jul-2022 04:39*
Surr: 4-Bromofluorobenzene	*99.9*			*77-113*	*%REC*	*1*	*15-Jul-2022 04:39*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*15-Jul-2022 04:39*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*15-Jul-2022 04:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12A-20220713
Collection Date: 13-Jul-2022 10:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-16
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	25-Jul-2022 23:14
2,4-Dimethylphenol	< 0.0040		0.0040	0.020	mg/L	100	25-Jul-2022 23:14
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	25-Jul-2022 23:14
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	25-Jul-2022 23:14
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	25-Jul-2022 23:14
2-Methylnaphthalene	**0.060**		**0.0019**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	25-Jul-2022 23:14
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	25-Jul-2022 23:14
Acenaphthene	**0.34**		**0.0027**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	25-Jul-2022 23:14
Anthracene	**0.027**		**0.0014**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	25-Jul-2022 23:14
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	25-Jul-2022 23:14
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	25-Jul-2022 23:14
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	25-Jul-2022 23:14
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	25-Jul-2022 23:14
Dibenzofuran	**0.22**		**0.0020**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	25-Jul-2022 23:14
Fluoranthene	**0.021**		**0.0010**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
Fluorene	**0.26**		**0.0030**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
Naphthalene	< 0.0020		0.0020	0.010	mg/L	100	25-Jul-2022 23:14
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	25-Jul-2022 23:14
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	25-Jul-2022 23:14
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	25-Jul-2022 23:14
Phenanthrene	**0.13**		**0.0021**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
Phenol	< 0.0035		0.0035	0.020	mg/L	100	25-Jul-2022 23:14
Pyrene	**0.010**		**0.0019**	**0.010**	**mg/L**	100	25-Jul-2022 23:14
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*25-Jul-2022 23:14*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*25-Jul-2022 23:14*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 23:14*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*25-Jul-2022 23:14*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*25-Jul-2022 23:14*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 23:14*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.000421**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TW41B-20220713
Collection Date: 13-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-17
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	15-Jul-2022 04:59
Benzene	**0.0020**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 04:59
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 04:59
Ethylbenzene	**0.00096**	J	**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 04:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 04:59
Toluene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 04:59
Xylenes, Total	**0.017**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 04:59
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*15-Jul-2022 04:59*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*15-Jul-2022 04:59*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*15-Jul-2022 04:59*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*15-Jul-2022 04:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TW41B-20220713
Collection Date: 13-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-17
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	23-Jul-2022 03:18
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	23-Jul-2022 03:18
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	23-Jul-2022 03:18
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	23-Jul-2022 03:18
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	23-Jul-2022 03:18
2-Methylnaphthalene	**0.075**		**0.00019**	**0.0010**	**mg/L**	10	23-Jul-2022 03:18
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.0020	mg/L	10	23-Jul-2022 03:18
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	23-Jul-2022 03:18
Acenaphthene	**0.25**		**0.0027**	**0.010**	**mg/L**	100	23-Jul-2022 03:37
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	23-Jul-2022 03:18
Anthracene	**0.0072**		**0.00014**	**0.0010**	**mg/L**	10	23-Jul-2022 03:18
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	23-Jul-2022 03:18
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	23-Jul-2022 03:18
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	23-Jul-2022 03:18
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	23-Jul-2022 03:18
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	23-Jul-2022 03:18
Dibenzofuran	**0.078**		**0.00020**	**0.0010**	**mg/L**	10	23-Jul-2022 03:18
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	23-Jul-2022 03:18
Fluoranthene	**0.0046**		**0.00010**	**0.0010**	**mg/L**	10	23-Jul-2022 03:18
Fluorene	**0.099**		**0.00030**	**0.0010**	**mg/L**	10	23-Jul-2022 03:18
Naphthalene	**0.70**		**0.0020**	**0.010**	**mg/L**	100	23-Jul-2022 03:37
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	23-Jul-2022 03:18
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	23-Jul-2022 03:18
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	23-Jul-2022 03:18
Phenanthrene	**0.041**		**0.00021**	**0.0010**	**mg/L**	10	23-Jul-2022 03:18
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	23-Jul-2022 03:18
Pyrene	**0.0020**		**0.00019**	**0.0010**	**mg/L**	10	23-Jul-2022 03:18
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*23-Jul-2022 03:37*
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*10*	*23-Jul-2022 03:18*
Surr: 2-Fluorobiphenyl	*80.8*			*40-125*	*%REC*	*10*	*23-Jul-2022 03:18*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*23-Jul-2022 03:37*
Surr: 2-Fluorophenol	*68.7*			*20-120*	*%REC*	*10*	*23-Jul-2022 03:18*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 03:37*
Surr: 4-Terphenyl-d14	*109*			*40-135*	*%REC*	*10*	*23-Jul-2022 03:18*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*23-Jul-2022 03:37*
Surr: Nitrobenzene-d5	*76.7*			*41-120*	*%REC*	*10*	*23-Jul-2022 03:18*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*23-Jul-2022 03:37*
Surr: Phenol-d6	*70.5*			*20-120*	*%REC*	*10*	*23-Jul-2022 03:18*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*23-Jul-2022 03:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TW41B-20220713
Collection Date: 13-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-17
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.0969**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070669
Sample ID: WG-1620-MW62B-20220713
Lab ID:HS22070669-18
Collection Date: 13-Jul-2022 11:55
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	15-Jul-2022 05:19
Benzene	**0.0027**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 05:19
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 05:19
Ethylbenzene	**0.020**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 05:19
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 05:19
Toluene	**0.0057**		**0.00020**	**0.0010**	**mg/L**	1	15-Jul-2022 05:19
Xylenes, Total	**0.025**		**0.00030**	**0.0010**	**mg/L**	1	15-Jul-2022 05:19
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*15-Jul-2022 05:19*
Surr: 4-Bromofluorobenzene	*99.9*			*77-113*	*%REC*	*1*	*15-Jul-2022 05:19*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*15-Jul-2022 05:19*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*15-Jul-2022 05:19*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW62B-20220713
Collection Date: 13-Jul-2022 11:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-18
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	25-Jul-2022 23:52
2,4-Dimethylphenol	< 0.0040		0.0040	0.020	mg/L	100	25-Jul-2022 23:52
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	25-Jul-2022 23:52
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	25-Jul-2022 23:52
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	25-Jul-2022 23:52
2-Methylnaphthalene	< 0.0019		0.0019	0.010	mg/L	100	25-Jul-2022 23:52
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	25-Jul-2022 23:52
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	25-Jul-2022 23:52
Acenaphthene	**0.084**		**0.0027**	**0.010**	**mg/L**	100	25-Jul-2022 23:52
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	25-Jul-2022 23:52
Anthracene	**0.0037**	J	**0.0014**	**0.010**	**mg/L**	100	25-Jul-2022 23:52
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	25-Jul-2022 23:52
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	25-Jul-2022 23:52
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	25-Jul-2022 23:52
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	25-Jul-2022 23:52
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	25-Jul-2022 23:52
Dibenzofuran	**0.045**		**0.0020**	**0.010**	**mg/L**	100	25-Jul-2022 23:52
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	25-Jul-2022 23:52
Fluoranthene	**0.0041**	J	**0.0010**	**0.010**	**mg/L**	100	25-Jul-2022 23:52
Fluorene	**0.036**		**0.0030**	**0.010**	**mg/L**	100	25-Jul-2022 23:52
Naphthalene	**0.23**		**0.0020**	**0.010**	**mg/L**	100	25-Jul-2022 23:52
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	25-Jul-2022 23:52
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	25-Jul-2022 23:52
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	25-Jul-2022 23:52
Phenanthrene	**0.012**		**0.0021**	**0.010**	**mg/L**	100	25-Jul-2022 23:52
Phenol	< 0.0035		0.0035	0.020	mg/L	100	25-Jul-2022 23:52
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	25-Jul-2022 23:52
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*25-Jul-2022 23:52*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*25-Jul-2022 23:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 23:52*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*25-Jul-2022 23:52*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*25-Jul-2022 23:52*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*25-Jul-2022 23:52*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.0418**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070669
Sample ID: WG-1620-P11-20220713
Lab ID:HS22070669-19
Collection Date: 13-Jul-2022 12:55
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	15-Jul-2022 05:38
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 05:38
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 05:38
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 05:38
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 05:38
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 05:38
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 05:38
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*15-Jul-2022 05:38*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*15-Jul-2022 05:38*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*15-Jul-2022 05:38*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*15-Jul-2022 05:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-P11-20220713
Collection Date: 13-Jul-2022 12:55

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-19
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:01
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 04:01
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 04:01
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	21-Jul-2022 04:01
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:01
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 04:01
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 04:01
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	21-Jul-2022 04:01
Acenaphthene	**0.00039**		**0.000027**	**0.00010**	**mg/L**	1	21-Jul-2022 04:01
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 04:01
Anthracene	**0.000020**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2022 04:01
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 04:01
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:01
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 04:01
Bis(2-ethylhexyl)phthalate	**0.000052**	J	**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2022 04:01
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:01
Dibenzofuran	**0.000059**	J	**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 04:01
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 04:01
Fluoranthene	**0.00012**		**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2022 04:01
Fluorene	**0.000068**	J	**0.000030**	**0.00010**	**mg/L**	1	21-Jul-2022 04:01
Naphthalene	**0.00011**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 04:01
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 04:01
N-Nitrosodiphenylamine	**0.000100**	J	**0.000025**	**0.00020**	**mg/L**	1	21-Jul-2022 04:01
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 04:01
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:01
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 04:01
Pyrene	**0.000059**	J	**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2022 04:01
Surr: 2,4,6-Tribromophenol	*95.7*			*34-129*	*%REC*	*1*	*21-Jul-2022 04:01*
Surr: 2-Fluorobiphenyl	*67.5*			*40-125*	*%REC*	*1*	*21-Jul-2022 04:01*
Surr: 2-Fluorophenol	*59.3*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:01*
Surr: 4-Terphenyl-d14	*83.0*			*40-135*	*%REC*	*1*	*21-Jul-2022 04:01*
Surr: Nitrobenzene-d5	*63.4*			*41-120*	*%REC*	*1*	*21-Jul-2022 04:01*
Surr: Phenol-d6	*59.0*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:01*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.0444**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW05-20220713
Collection Date: 13-Jul-2022 14:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-20
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	15-Jul-2022 05:58
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 05:58
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 05:58
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 05:58
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	15-Jul-2022 05:58
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	15-Jul-2022 05:58
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	15-Jul-2022 05:58
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*15-Jul-2022 05:58*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*15-Jul-2022 05:58*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*15-Jul-2022 05:58*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*15-Jul-2022 05:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW05-20220713
Collection Date: 13-Jul-2022 14:00

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-20
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 04:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 04:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	21-Jul-2022 04:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:20
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 04:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 04:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	21-Jul-2022 04:20
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	21-Jul-2022 04:20
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 04:20
Anthracene	**0.000059**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2022 04:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 04:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 04:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	21-Jul-2022 04:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:20
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 04:20
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	21-Jul-2022 04:20
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	21-Jul-2022 04:20
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 04:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	21-Jul-2022 04:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 04:20
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 04:20
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 04:20
Surr: 2,4,6-Tribromophenol	*97.0*			*34-129*	*%REC*	*1*	*21-Jul-2022 04:20*
Surr: 2-Fluorobiphenyl	*68.3*			*40-125*	*%REC*	*1*	*21-Jul-2022 04:20*
Surr: 2-Fluorophenol	*61.1*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:20*
Surr: 4-Terphenyl-d14	*84.5*			*40-135*	*%REC*	*1*	*21-Jul-2022 04:20*
Surr: Nitrobenzene-d5	*63.8*			*41-120*	*%REC*	*1*	*21-Jul-2022 04:20*
Surr: Phenol-d6	*62.1*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:20*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.00519**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070669
Sample ID: WG-1620-MW64A-20220713
Lab ID:HS22070669-21
Collection Date: 13-Jul-2022 15:10
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	16-Jul-2022 04:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	16-Jul-2022 04:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 04:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 04:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	16-Jul-2022 04:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	16-Jul-2022 04:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 04:30
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*16-Jul-2022 04:30*
Surr: 4-Bromofluorobenzene	*97.0*			*77-113*	*%REC*	*1*	*16-Jul-2022 04:30*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*16-Jul-2022 04:30*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*16-Jul-2022 04:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW64A-20220713
Collection Date: 13-Jul-2022 15:10

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-21
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:39
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 04:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 04:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	21-Jul-2022 04:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:39
2-Methylnaphthalene	**0.000022**	J	**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2022 04:39
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 04:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	21-Jul-2022 04:39
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	21-Jul-2022 04:39
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 04:39
Anthracene	**0.000034**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2022 04:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 04:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 04:39
Bis(2-ethylhexyl)phthalate	**0.00046**		**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2022 04:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:39
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:39
Di-n-butyl phthalate	**0.000025**	J	**0.000020**	**0.00020**	**mg/L**	1	21-Jul-2022 04:39
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	21-Jul-2022 04:39
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	21-Jul-2022 04:39
Naphthalene	**0.000069**	J	**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 04:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 04:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	21-Jul-2022 04:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 04:39
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 04:39
Pyrene	**0.000031**	J	**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2022 04:39
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*1*	*21-Jul-2022 04:39*
Surr: 2-Fluorobiphenyl	*66.7*			*40-125*	*%REC*	*1*	*21-Jul-2022 04:39*
Surr: 2-Fluorophenol	*56.7*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:39*
Surr: 4-Terphenyl-d14	*89.7*			*40-135*	*%REC*	*1*	*21-Jul-2022 04:39*
Surr: Nitrobenzene-d5	*62.7*			*41-120*	*%REC*	*1*	*21-Jul-2022 04:39*
Surr: Phenol-d6	*57.5*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:39*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.00391**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW09-20220713
Collection Date: 13-Jul-2022 16:20

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-22
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	16-Jul-2022 04:49
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	16-Jul-2022 04:49
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 04:49
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 04:49
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	16-Jul-2022 04:49
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	16-Jul-2022 04:49
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 04:49
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*16-Jul-2022 04:49*
Surr: 4-Bromofluorobenzene	*98.2*			*77-113*	*%REC*	*1*	*16-Jul-2022 04:49*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*16-Jul-2022 04:49*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*16-Jul-2022 04:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW09-20220713
Collection Date: 13-Jul-2022 16:20

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-22
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:58
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 04:58
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 04:58
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	21-Jul-2022 04:58
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 04:58
2-Methylnaphthalene	**0.000024**	J	**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2022 04:58
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 04:58
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	21-Jul-2022 04:58
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	21-Jul-2022 04:58
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 04:58
Anthracene	**0.00020**		**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2022 04:58
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 04:58
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:58
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 04:58
Bis(2-ethylhexyl)phthalate	**0.00049**		**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2022 04:58
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:58
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 04:58
Di-n-butyl phthalate	**0.000030**	J	**0.000020**	**0.00020**	**mg/L**	1	21-Jul-2022 04:58
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	21-Jul-2022 04:58
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	21-Jul-2022 04:58
Naphthalene	**0.000040**	J	**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 04:58
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 04:58
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	21-Jul-2022 04:58
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 04:58
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 04:58
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 04:58
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 04:58
Surr: 2,4,6-Tribromophenol	*112*			*34-129*	*%REC*	*1*	*21-Jul-2022 04:58*
Surr: 2-Fluorobiphenyl	*66.4*			*40-125*	*%REC*	*1*	*21-Jul-2022 04:58*
Surr: 2-Fluorophenol	*54.3*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:58*
Surr: 4-Terphenyl-d14	*97.3*			*40-135*	*%REC*	*1*	*21-Jul-2022 04:58*
Surr: Nitrobenzene-d5	*56.0*			*41-120*	*%REC*	*1*	*21-Jul-2022 04:58*
Surr: Phenol-d6	*56.9*			*20-120*	*%REC*	*1*	*21-Jul-2022 04:58*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.000720**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW03-20220713
Collection Date: 13-Jul-2022 17:25

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-23
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	16-Jul-2022 05:09
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	16-Jul-2022 05:09
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 05:09
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 05:09
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	16-Jul-2022 05:09
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	16-Jul-2022 05:09
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	16-Jul-2022 05:09
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*16-Jul-2022 05:09*
Surr: 4-Bromofluorobenzene	*96.3*			*77-113*	*%REC*	*1*	*16-Jul-2022 05:09*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*16-Jul-2022 05:09*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*16-Jul-2022 05:09*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW03-20220713
Collection Date: 13-Jul-2022 17:25

ANALYTICAL REPORT
WorkOrder:HS22070669
Lab ID:HS22070669-23
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 05:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	21-Jul-2022 05:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	21-Jul-2022 05:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	21-Jul-2022 05:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	21-Jul-2022 05:17
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 05:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 05:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	21-Jul-2022 05:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	21-Jul-2022 05:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	21-Jul-2022 05:17
Anthracene	**0.000057**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2022 05:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	21-Jul-2022 05:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 05:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	21-Jul-2022 05:17
Bis(2-ethylhexyl)phthalate	**0.00029**		**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2022 05:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 05:17
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	21-Jul-2022 05:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	21-Jul-2022 05:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	21-Jul-2022 05:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	21-Jul-2022 05:17
Naphthalene	**0.000075**	J	**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2022 05:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	21-Jul-2022 05:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	21-Jul-2022 05:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	21-Jul-2022 05:17
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	21-Jul-2022 05:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	21-Jul-2022 05:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	21-Jul-2022 05:17
Surr: 2,4,6-Tribromophenol	*86.7*			*34-129*	*%REC*	*1*	*21-Jul-2022 05:17*
Surr: 2-Fluorobiphenyl	*56.9*			*40-125*	*%REC*	*1*	*21-Jul-2022 05:17*
Surr: 2-Fluorophenol	*51.1*			*20-120*	*%REC*	*1*	*21-Jul-2022 05:17*
Surr: 4-Terphenyl-d14	*80.4*			*40-135*	*%REC*	*1*	*21-Jul-2022 05:17*
Surr: Nitrobenzene-d5	*52.5*			*41-120*	*%REC*	*1*	*21-Jul-2022 05:17*
Surr: Phenol-d6	*49.2*			*20-120*	*%REC*	*1*	*21-Jul-2022 05:17*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 25-Jul-2022		Analyst: YP
Arsenic	**0.000640**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2022 15:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

Batch ID: 181301 **Start Date:** 18 Jul 2022 10:30 **End Date:** 18 Jul 2022 15:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070669-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-17	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-18	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-19	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-20	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-21	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-22	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-23	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181302 **Start Date:** 18 Jul 2022 08:00 **End Date:** 18 Jul 2022 14:00
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070669-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070669-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181596 **Start Date:** 25 Jul 2022 12:00 **End Date:** 25 Jul 2022 16:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070669-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-10		10 (mL)	10 (mL)	1	120 plastic HNO3

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

Batch ID: 181597 **Start Date:** 25 Jul 2022 13:00 **End Date:** 25 Jul 2022 17:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070669-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-16		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-17		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-18		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-19		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-20		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-21		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-22		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070669-23		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181301 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22070669-05	WG-1620-MW57A-20220712	12 Jul 2022 10:55		18 Jul 2022 08:39	21 Jul 2022 06:33	100
HS22070669-05	WG-1620-MW57A-20220712	12 Jul 2022 10:55		18 Jul 2022 08:39	21 Jul 2022 06:14	10
HS22070669-06	WG-1620-MW57B-20220712	12 Jul 2022 11:45		18 Jul 2022 08:39	23 Jul 2022 02:40	10000
HS22070669-06	WG-1620-MW57B-20220712	12 Jul 2022 11:45		18 Jul 2022 08:39	21 Jul 2022 07:11	1000
HS22070669-06	WG-1620-MW57B-20220712	12 Jul 2022 11:45		18 Jul 2022 08:39	21 Jul 2022 06:52	100
HS22070669-07	WG-1620-MW19C-20220712	12 Jul 2022 13:15		18 Jul 2022 08:39	21 Jul 2022 03:04	1
HS22070669-08	WG-1620-MW72B-20220712	12 Jul 2022 14:20		18 Jul 2022 08:39	23 Jul 2022 02:21	10000
HS22070669-08	WG-1620-MW72B-20220712	12 Jul 2022 14:20		18 Jul 2022 08:39	21 Jul 2022 07:49	1000
HS22070669-09	WG-1620-MW23C-20220712	12 Jul 2022 15:15		18 Jul 2022 08:39	25 Jul 2022 22:55	1000
HS22070669-09	WG-1620-MW23C-20220712	12 Jul 2022 15:15		18 Jul 2022 08:39	23 Jul 2022 05:49	100
HS22070669-10	WG-1620-MW17-20220712	12 Jul 2022 16:10		18 Jul 2022 08:39	25 Jul 2022 22:36	10000
HS22070669-10	WG-1620-MW17-20220712	12 Jul 2022 16:10		18 Jul 2022 08:39	23 Jul 2022 04:53	1000
HS22070669-10	WG-1620-MW17-20220712	12 Jul 2022 16:10		18 Jul 2022 08:39	23 Jul 2022 04:34	100
HS22070669-11	WG-1620-MW17C-20220712	12 Jul 2022 17:00		18 Jul 2022 08:39	23 Jul 2022 03:56	100
HS22070669-12	WG-1620-MW88A-20220712	12 Jul 2022 18:00		18 Jul 2022 08:39	23 Jul 2022 05:11	1
HS22070669-13	WG-1620-FB03-20220713	13 Jul 2022 07:10		18 Jul 2022 08:39	21 Jul 2022 03:42	1
HS22070669-14	WG-1620-MW88B-20220713	13 Jul 2022 08:05		18 Jul 2022 08:39	20 Jul 2022 15:20	1
HS22070669-15	WG-1620-MW12C-20220713	13 Jul 2022 09:05		18 Jul 2022 08:39	21 Jul 2022 05:55	10
HS22070669-15	WG-1620-MW12C-20220713	13 Jul 2022 09:05		18 Jul 2022 08:39	21 Jul 2022 05:36	1
HS22070669-16	WG-1620-MW12A-20220713	13 Jul 2022 10:00		18 Jul 2022 08:39	25 Jul 2022 23:14	100
HS22070669-17	WG-1620-TW41B-20220713	13 Jul 2022 10:55		18 Jul 2022 08:39	23 Jul 2022 03:37	100
HS22070669-17	WG-1620-TW41B-20220713	13 Jul 2022 10:55		18 Jul 2022 08:39	23 Jul 2022 03:18	10
HS22070669-18	WG-1620-MW62B-20220713	13 Jul 2022 11:55		18 Jul 2022 08:39	25 Jul 2022 23:52	100
HS22070669-19	WG-1620-P11-20220713	13 Jul 2022 12:55		18 Jul 2022 08:39	21 Jul 2022 04:01	1
HS22070669-20	WG-1620-MW05-20220713	13 Jul 2022 14:00		18 Jul 2022 08:39	21 Jul 2022 04:20	1
HS22070669-21	WG-1620-MW64A-20220713	13 Jul 2022 15:10		18 Jul 2022 08:39	21 Jul 2022 04:39	1
HS22070669-22	WG-1620-MW09-20220713	13 Jul 2022 16:20		18 Jul 2022 08:39	21 Jul 2022 04:58	1
HS22070669-23	WG-1620-MW03-20220713	13 Jul 2022 17:25		18 Jul 2022 08:39	21 Jul 2022 05:17	1
Batch ID: 181302 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22070669-02	WG-1620-MW18C-20220712	12 Jul 2022 08:15		18 Jul 2022 08:40	25 Jul 2022 19:43	5000
HS22070669-02	WG-1620-MW18C-20220712	12 Jul 2022 08:15		18 Jul 2022 08:40	20 Jul 2022 19:28	50
HS22070669-03	WG-1620-MW18A-20220712	12 Jul 2022 09:05		18 Jul 2022 08:40	23 Jul 2022 02:03	500
HS22070669-03	WG-1620-MW18A-20220712	12 Jul 2022 09:05		18 Jul 2022 08:40	20 Jul 2022 19:47	50
HS22070669-04	WG-1620-MW58A-20220712	12 Jul 2022 10:00		18 Jul 2022 08:40	23 Jul 2022 02:59	10
HS22070669-04	WG-1620-MW58A-20220712	12 Jul 2022 10:00		18 Jul 2022 08:40	20 Jul 2022 19:08	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181596 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22070669-02	WG-1620-MW18C-20220712	12 Jul 2022 08:15		25 Jul 2022 12:00	26 Jul 2022 23:27	1
HS22070669-03	WG-1620-MW18A-20220712	12 Jul 2022 09:05		25 Jul 2022 12:00	26 Jul 2022 23:13	1
HS22070669-04	WG-1620-MW58A-20220712	12 Jul 2022 10:00		25 Jul 2022 12:00	26 Jul 2022 23:29	1
HS22070669-05	WG-1620-MW57A-20220712	12 Jul 2022 10:55		25 Jul 2022 12:00	26 Jul 2022 23:31	1
HS22070669-06	WG-1620-MW57B-20220712	12 Jul 2022 11:45		25 Jul 2022 12:00	26 Jul 2022 23:33	1
HS22070669-07	WG-1620-MW19C-20220712	12 Jul 2022 13:15		25 Jul 2022 12:00	26 Jul 2022 23:35	1
HS22070669-08	WG-1620-MW72B-20220712	12 Jul 2022 14:20		25 Jul 2022 12:00	27 Jul 2022 13:38	1
HS22070669-09	WG-1620-MW23C-20220712	12 Jul 2022 15:15		25 Jul 2022 12:00	26 Jul 2022 23:39	1
HS22070669-10	WG-1620-MW17-20220712	12 Jul 2022 16:10		25 Jul 2022 12:00	26 Jul 2022 23:41	2
Batch ID: 181597 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22070669-11	WG-1620-MW17C-20220712	12 Jul 2022 17:00		25 Jul 2022 13:00	27 Jul 2022 13:51	1
HS22070669-12	WG-1620-MW88A-20220712	12 Jul 2022 18:00		25 Jul 2022 13:00	27 Jul 2022 13:53	1
HS22070669-13	WG-1620-FB03-20220713	13 Jul 2022 07:10		25 Jul 2022 13:00	27 Jul 2022 14:47	1
HS22070669-14	WG-1620-MW88B-20220713	13 Jul 2022 08:05		25 Jul 2022 13:00	27 Jul 2022 23:33	10
HS22070669-14	WG-1620-MW88B-20220713	13 Jul 2022 08:05		25 Jul 2022 13:00	27 Jul 2022 14:37	1
HS22070669-15	WG-1620-MW12C-20220713	13 Jul 2022 09:05		25 Jul 2022 13:00	27 Jul 2022 14:49	1
HS22070669-16	WG-1620-MW12A-20220713	13 Jul 2022 10:00		25 Jul 2022 13:00	27 Jul 2022 15:10	1
HS22070669-17	WG-1620-TW41B-20220713	13 Jul 2022 10:55		25 Jul 2022 13:00	27 Jul 2022 15:12	1
HS22070669-18	WG-1620-MW62B-20220713	13 Jul 2022 11:55		25 Jul 2022 13:00	27 Jul 2022 15:14	1
HS22070669-19	WG-1620-P11-20220713	13 Jul 2022 12:55		25 Jul 2022 13:00	27 Jul 2022 15:16	1
HS22070669-20	WG-1620-MW05-20220713	13 Jul 2022 14:00		25 Jul 2022 13:00	27 Jul 2022 15:18	1
HS22070669-21	WG-1620-MW64A-20220713	13 Jul 2022 15:10		25 Jul 2022 13:00	27 Jul 2022 15:20	1
HS22070669-22	WG-1620-MW09-20220713	13 Jul 2022 16:20		25 Jul 2022 13:00	27 Jul 2022 15:22	1
HS22070669-23	WG-1620-MW03-20220713	13 Jul 2022 17:25		25 Jul 2022 13:00	27 Jul 2022 15:24	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R412962 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070669-01	WG-1620-TB02-20220712	12 Jul 2022 00:00			14 Jul 2022 23:05	1
HS22070669-02	WG-1620-MW18C-20220712	12 Jul 2022 08:15			15 Jul 2022 00:44	1
HS22070669-03	WG-1620-MW18A-20220712	12 Jul 2022 09:05			15 Jul 2022 01:03	1
HS22070669-04	WG-1620-MW58A-20220712	12 Jul 2022 10:00			15 Jul 2022 01:23	1
HS22070669-05	WG-1620-MW57A-20220712	12 Jul 2022 10:55			15 Jul 2022 01:43	1
HS22070669-06	WG-1620-MW57B-20220712	12 Jul 2022 11:45			15 Jul 2022 02:02	1
HS22070669-08	WG-1620-MW72B-20220712	12 Jul 2022 14:20			15 Jul 2022 02:41	1
HS22070669-09	WG-1620-MW23C-20220712	12 Jul 2022 15:15			15 Jul 2022 03:01	1
HS22070669-10	WG-1620-MW17-20220712	12 Jul 2022 16:10			15 Jul 2022 03:21	1
HS22070669-11	WG-1620-MW17C-20220712	12 Jul 2022 17:00			15 Jul 2022 03:40	1
HS22070669-12	WG-1620-MW88A-20220712	12 Jul 2022 18:00			15 Jul 2022 04:00	1
HS22070669-13	WG-1620-FB03-20220713	13 Jul 2022 07:10			14 Jul 2022 23:25	1
HS22070669-14	WG-1620-MW88B-20220713	13 Jul 2022 08:05			14 Jul 2022 23:45	1
HS22070669-15	WG-1620-MW12C-20220713	13 Jul 2022 09:05			15 Jul 2022 04:20	1
HS22070669-16	WG-1620-MW12A-20220713	13 Jul 2022 10:00			15 Jul 2022 04:39	1
HS22070669-17	WG-1620-TW41B-20220713	13 Jul 2022 10:55			15 Jul 2022 04:59	1
HS22070669-18	WG-1620-MW62B-20220713	13 Jul 2022 11:55			15 Jul 2022 05:19	1
HS22070669-19	WG-1620-P11-20220713	13 Jul 2022 12:55			15 Jul 2022 05:38	1
HS22070669-20	WG-1620-MW05-20220713	13 Jul 2022 14:00			15 Jul 2022 05:58	1
Batch ID: R413033 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070669-02	WG-1620-MW18C-20220712	12 Jul 2022 08:15			15 Jul 2022 18:01	25
HS22070669-03	WG-1620-MW18A-20220712	12 Jul 2022 09:05			15 Jul 2022 18:21	10
HS22070669-06	WG-1620-MW57B-20220712	12 Jul 2022 11:45			15 Jul 2022 18:40	25
HS22070669-07	WG-1620-MW19C-20220712	12 Jul 2022 13:15			15 Jul 2022 17:41	1
HS22070669-08	WG-1620-MW72B-20220712	12 Jul 2022 14:20			15 Jul 2022 19:00	10
Batch ID: R413084 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070669-10	WG-1620-MW17-20220712	12 Jul 2022 16:10			15 Jul 2022 22:16	10
HS22070669-21	WG-1620-MW64A-20220713	13 Jul 2022 15:10			16 Jul 2022 04:30	1
HS22070669-22	WG-1620-MW09-20220713	13 Jul 2022 16:20			16 Jul 2022 04:49	1
HS22070669-23	WG-1620-MW03-20220713	13 Jul 2022 17:25			16 Jul 2022 05:09	1

WorkOrder: HS22070669
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	0.00125	0.000993	0.000400	0.00200

WorkOrder: HS22070669
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	0.000076	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000040	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000069	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000077	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000073	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000036	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000032	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.000043	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000042	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000040	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000039	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000029	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000070	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00017	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000035	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000042	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000043	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000087	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000093	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000041	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000076	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000046	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: HS22070669
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00063	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00060	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0017	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181596 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181596** Units: **mg/L** Analysis Date: **26-Jul-2022 23:04**
Client ID: Run ID: **ICPMS07_413760** SeqNo: **6767201** PrepDate: **25-Jul-2022** 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-181596** Units: **mg/L** Analysis Date: **26-Jul-2022 23:07**
Client ID: Run ID: **ICPMS07_413760** SeqNo: **6767202** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05268	0.00200	0.05	0	105	80 - 120				

MS Sample ID: **HS22070669-03MS** Units: **mg/L** Analysis Date: **26-Jul-2022 23:17**
Client ID: **WG-1620-MW18A-20220712** Run ID: **ICPMS07_413760** SeqNo: **6767207** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.077	0.00200	0.05	0.02519	104	80 - 120				

MSD Sample ID: **HS22070669-03MSD** Units: **mg/L** Analysis Date: **26-Jul-2022 23:19**
Client ID: **WG-1620-MW18A-20220712** Run ID: **ICPMS07_413760** SeqNo: **6767208** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.08065	0.00200	0.05	0.02519	111	80 - 120	0.077	4.63	20	

PDS Sample ID: **HS22070669-03PDS** Units: **mg/L** Analysis Date: **26-Jul-2022 23:21**
Client ID: **WG-1620-MW18A-20220712** Run ID: **ICPMS07_413760** SeqNo: **6767209** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1339	0.00200	0.1	0.02519	109	75 - 125				

SD Sample ID: **HS22070669-03SD** Units: **mg/L** Analysis Date: **27-Jul-2022 13:36**
Client ID: **WG-1620-MW18A-20220712** Run ID: **ICPMS07_413858** SeqNo: **6768769** PrepDate: **25-Jul-2022** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.02671	0.0100					0.02519	6.05	10	

The following samples were analyzed in this batch:

HS22070669-02	HS22070669-03	HS22070669-04	HS22070669-05
HS22070669-06	HS22070669-07	HS22070669-08	HS22070669-09
HS22070669-10			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181597 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181597** Units: **mg/L** Analysis Date: **27-Jul-2022 14:33**
Client ID: Run ID: **ICPMS07_413858** SeqNo: **6769097** PrepDate: **25-Jul-2022** 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-181597** Units: **mg/L** Analysis Date: **27-Jul-2022 14:35**
Client ID: Run ID: **ICPMS07_413858** SeqNo: **6769098** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05689	0.00200	0.05	0	114	80 - 120				

MS Sample ID: **HS22070669-14MS** Units: **mg/L** Analysis Date: **27-Jul-2022 14:41**
Client ID: **WG-1620-MW88B-20220713** Run ID: **ICPMS07_413858** SeqNo: **6769101** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05675	0.00200	0.05	0.001018	111	80 - 120				

MSD Sample ID: **HS22070669-14MSD** Units: **mg/L** Analysis Date: **27-Jul-2022 14:43**
Client ID: **WG-1620-MW88B-20220713** Run ID: **ICPMS07_413858** SeqNo: **6769102** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05739	0.00200	0.05	0.001018	113	80 - 120	0.05675	1.13	20	

PDS Sample ID: **HS22070669-14PDS** Units: **mg/L** Analysis Date: **27-Jul-2022 14:45**
Client ID: **WG-1620-MW88B-20220713** Run ID: **ICPMS07_413858** SeqNo: **6769103** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1171	0.00200	0.1	0.001018	116	75 - 125				

SD Sample ID: **HS22070669-14SD** Units: **mg/L** Analysis Date: **27-Jul-2022 14:39**
Client ID: **WG-1620-MW88B-20220713** Run ID: **ICPMS07_413858** SeqNo: **6769100** PrepDate: **25-Jul-2022** 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					0.001018	0	10	

The following samples were analyzed in this batch:

HS22070669-11	HS22070669-12	HS22070669-13	HS22070669-14
HS22070669-15	HS22070669-16	HS22070669-17	HS22070669-18
HS22070669-19	HS22070669-20	HS22070669-21	HS22070669-22
HS22070669-23			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181301 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181301** Units: **ug/L** Analysis Date: **20-Jul-2022 13:26**
Client ID: Run ID: **SV-8_413406** SeqNo: **6757520** PrepDate: **18-Jul-2022** 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	0.20								
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	*3.688*	*0.20*	*5*	*0*	*73.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.585*	*0.20*	*5*	*0*	*71.7*	*40 - 125*				
Surr: 2-Fluorophenol	*3.443*	*0.20*	*5*	*0*	*68.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.133*	*0.20*	*5*	*0*	*82.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.467*	*0.20*	*5*	*0*	*69.3*	*41 - 120*				
Surr: Phenol-d6	*3.354*	*0.20*	*5*	*0*	*67.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181301 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181301** Units: **ug/L** Analysis Date: **20-Jul-2022 13:45**
Client ID: Run ID: **SV-8_413406** SeqNo: **6757453** PrepDate: **18-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.638	0.20	5	0	92.8	39 - 127				
2,4-Dimethylphenol	5.113	0.20	5	0	102	35 - 120				
2,4-Dinitrotoluene	5.93	0.20	5	0	119	50 - 122				
2,6-Dinitrotoluene	5.594	0.20	5	0	112	50 - 120				
2-Chloronaphthalene	5.284	0.20	5	0	106	50 - 120				
2-Methylnaphthalene	5.152	0.10	5	0	103	50 - 120				
4,6-Dinitro-2-methylphenol	5.375	0.20	5	0	107	25 - 121				
4-Nitrophenol	5.728	1.0	5	0	115	30 - 130				
Acenaphthene	5.215	0.10	5	0	104	45 - 120				
Acenaphthylene	5.105	0.10	5	0	102	47 - 120				
Anthracene	4.838	0.10	5	0	96.8	45 - 120				
Benz(a)anthracene	5.003	0.10	5	0	100	40 - 120				
Benzo(a)pyrene	5.448	0.10	5	0	109	45 - 120				
Bis(2-chloroethoxy)methane	4.878	0.20	5	0	97.6	45 - 120				
Bis(2-ethylhexyl)phthalate	4.801	0.20	5	0	96.0	40 - 139				
Chrysene	4.969	0.10	5	0	99.4	43 - 120				
Dibenzofuran	5.31	0.10	5	0	106	50 - 120				
Di-n-butyl phthalate	5.141	0.20	5	0	103	45 - 123				
Fluoranthene	5.3	0.10	5	0	106	45 - 125				
Fluorene	5.591	0.10	5	0	112	49 - 120				
Naphthalene	5	0.10	5	0	100	45 - 120				
Nitrobenzene	4.894	0.20	5	0	97.9	44 - 120				
N-Nitrosodiphenylamine	4.951	0.20	5	0	99.0	40 - 125				
Pentachlorophenol	5.975	0.20	5	0	119	19 - 121				
Phenanthrene	4.924	0.10	5	0	98.5	45 - 121				
Phenol	4.953	0.20	5	0	99.1	20 - 124				
Pyrene	4.821	0.10	5	0	96.4	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.818*	*0.20*	*5*	*0*	*116*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*5.279*	*0.20*	*5*	*0*	*106*	*40 - 125*				
Surr: 2-Fluorophenol	*4.508*	*0.20*	*5*	*0*	*90.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.199*	*0.20*	*5*	*0*	*104*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.995*	*0.20*	*5*	*0*	*99.9*	*41 - 120*				
Surr: Phenol-d6	*4.877*	*0.20*	*5*	*0*	*97.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181301 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22070669-14MS** Units: **ug/L** Analysis Date: **20-Jul-2022 15:39**
Client ID: **WG-1620-MW88B-20220713** Run ID: **SV-8_413406** SeqNo: **6757455** PrepDate: **18-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.117	0.20	5	0	62.3	39 - 127				
2,4-Dimethylphenol	3.452	0.20	5	0	69.0	35 - 120				
2,4-Dinitrotoluene	4.087	0.20	5	0	81.7	50 - 122				
2,6-Dinitrotoluene	3.5	0.20	5	0	70.0	50 - 120				
2-Chloronaphthalene	3.567	0.20	5	0	71.3	50 - 120				
2-Methylnaphthalene	3.597	0.10	5	0.1268	69.4	50 - 120				
4,6-Dinitro-2-methylphenol	3.877	0.20	5	0	77.5	25 - 121				
4-Nitrophenol	4.5	1.0	5	0	90.0	30 - 130				
Acenaphthene	3.404	0.10	5	0.05653	67.0	45 - 120				
Acenaphthylene	3.4	0.10	5	0	68.0	47 - 120				
Anthracene	3.896	0.10	5	0.01896	77.6	45 - 120				
Benz(a)anthracene	4.53	0.10	5	0	90.6	40 - 120				
Benzo(a)pyrene	4.747	0.10	5	0	94.9	45 - 120				
Bis(2-chloroethoxy)methane	3.321	0.20	5	0	66.4	45 - 120				
Bis(2-ethylhexyl)phthalate	4.684	0.20	5	0.5572	82.5	40 - 139				
Chrysene	4.491	0.10	5	0	89.8	43 - 120				
Dibenzofuran	3.491	0.10	5	0.05075	68.8	50 - 120				
Di-n-butyl phthalate	4.515	0.20	5	0.02268	89.9	45 - 123				
Fluoranthene	4.719	0.10	5	0.007709	94.2	45 - 125				
Fluorene	3.479	0.10	5	0.02834	69.0	49 - 120				
Naphthalene	4.654	0.10	5	1.03	72.5	45 - 120				
Nitrobenzene	3.288	0.20	5	0	65.8	44 - 120				
N-Nitrosodiphenylamine	3.526	0.20	5	0	70.5	40 - 125				
Pentachlorophenol	5.149	0.20	5	0	103	19 - 121				
Phenanthrene	3.849	0.10	5	0.02312	76.5	45 - 121				
Phenol	3.521	0.20	5	0	70.4	20 - 124				
Pyrene	4.13	0.10	5	0.005939	82.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.031*	*0.20*	*5*	*0*	*80.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.311*	*0.20*	*5*	*0*	*66.2*	*40 - 125*				
Surr: 2-Fluorophenol	*2.885*	*0.20*	*5*	*0*	*57.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.481*	*0.20*	*5*	*0*	*89.6*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.242*	*0.20*	*5*	*0*	*64.8*	*41 - 120*				
Surr: Phenol-d6	*3.074*	*0.20*	*5*	*0*	*61.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181301 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22070669-14MSD** Units: **ug/L** Analysis Date: **20-Jul-2022 15:58**
Client ID: **WG-1620-MW88B-20220713** Run ID: **SV-8_413406** SeqNo: **6757456** PrepDate: **18-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.367	0.20	5	0	67.3	39 - 127	3.117	7.71	20	
2,4-Dimethylphenol	3.677	0.20	5	0	73.5	35 - 120	3.452	6.31	20	
2,4-Dinitrotoluene	4.471	0.20	5	0	89.4	50 - 122	4.087	8.98	20	
2,6-Dinitrotoluene	3.938	0.20	5	0	78.8	50 - 120	3.5	11.8	20	
2-Chloronaphthalene	3.851	0.20	5	0	77.0	50 - 120	3.567	7.65	20	
2-Methylnaphthalene	3.89	0.10	5	0.1268	75.3	50 - 120	3.597	7.84	20	
4,6-Dinitro-2-methylphenol	4.204	0.20	5	0	84.1	25 - 121	3.877	8.09	30	
4-Nitrophenol	4.933	1.0	5	0	98.7	30 - 130	4.5	9.18	20	
Acenaphthene	3.676	0.10	5	0.05653	72.4	45 - 120	3.404	7.69	20	
Acenaphthylene	3.647	0.10	5	0	72.9	47 - 120	3.4	7.01	20	
Anthracene	4.211	0.10	5	0.01896	83.8	45 - 120	3.896	7.75	20	
Benz(a)anthracene	4.909	0.10	5	0	98.2	40 - 120	4.53	8.03	20	
Benzo(a)pyrene	5.14	0.10	5	0	103	45 - 120	4.747	7.94	20	
Bis(2-chloroethoxy)methane	3.537	0.20	5	0	70.7	45 - 120	3.321	6.3	20	
Bis(2-ethylhexyl)phthalate	5.023	0.20	5	0.5572	89.3	40 - 139	4.684	6.97	20	
Chrysene	4.84	0.10	5	0	96.8	43 - 120	4.491	7.5	20	
Dibenzofuran	3.723	0.10	5	0.05075	73.4	50 - 120	3.491	6.44	20	
Di-n-butyl phthalate	4.89	0.20	5	0.02268	97.3	45 - 123	4.515	7.97	20	
Fluoranthene	5.212	0.10	5	0.007709	104	45 - 125	4.719	9.92	20	
Fluorene	3.74	0.10	5	0.02834	74.2	49 - 120	3.479	7.24	20	
Naphthalene	4.972	0.10	5	1.03	78.8	45 - 120	4.654	6.61	20	
Nitrobenzene	3.461	0.20	5	0	69.2	44 - 120	3.288	5.12	20	
N-Nitrosodiphenylamine	3.875	0.20	5	0	77.5	40 - 125	3.526	9.44	20	
Pentachlorophenol	5.567	0.20	5	0	111	19 - 121	5.149	7.8	20	
Phenanthrene	4.281	0.10	5	0.02312	85.2	45 - 121	3.849	10.6	20	
Phenol	3.753	0.20	5	0	75.1	20 - 124	3.521	6.37	20	
Pyrene	4.376	0.10	5	0.005939	87.4	40 - 130	4.13	5.78	20	
Surr: 2,4,6-Tribromophenol	*4.348*	*0.20*	*5*	*0*	*87.0*	*34 - 129*	*4.031*	*7.57*	*20*	
Surr: 2-Fluorobiphenyl	*3.471*	*0.20*	*5*	*0*	*69.4*	*40 - 125*	*3.311*	*4.73*	*20*	
Surr: 2-Fluorophenol	*3.001*	*0.20*	*5*	*0*	*60.0*	*20 - 120*	*2.885*	*3.97*	*20*	
Surr: 4-Terphenyl-d14	*4.617*	*0.20*	*5*	*0*	*92.3*	*40 - 135*	*4.481*	*3*	*20*	
Surr: Nitrobenzene-d5	*3.372*	*0.20*	*5*	*0*	*67.4*	*41 - 120*	*3.242*	*3.94*	*20*	
Surr: Phenol-d6	*3.239*	*0.20*	*5*	*0*	*64.8*	*20 - 120*	*3.074*	*5.21*	*20*	

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	HS22070669

QC BATCH REPORT

Batch ID: 181301 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22070669-05	HS22070669-06	HS22070669-07	HS22070669-08
HS22070669-09	HS22070669-10	HS22070669-11	HS22070669-12
HS22070669-13	HS22070669-14	HS22070669-15	HS22070669-16
HS22070669-17	HS22070669-18	HS22070669-19	HS22070669-20
HS22070669-21	HS22070669-22	HS22070669-23	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181302 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181302** Units: **ug/L** Analysis Date: **19-Jul-2022 16:16**
Client ID: Run ID: **SV-7_413244** SeqNo: **6754473** PrepDate: **18-Jul-2022** 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	0.20								
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	*3.93*	*0.20*	*5*	*0*	*78.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.05*	*0.20*	*5*	*0*	*81.0*	*40 - 125*				
Surr: 2-Fluorophenol	*3.405*	*0.20*	*5*	*0*	*68.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.646*	*0.20*	*5*	*0*	*92.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.71*	*0.20*	*5*	*0*	*74.2*	*41 - 120*				
Surr: Phenol-d6	*3.357*	*0.20*	*5*	*0*	*67.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181302 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181302** Units: **ug/L** Analysis Date: **19-Jul-2022 16:38**
Client ID: Run ID: **SV-7_413244** SeqNo: **6754474** PrepDate: **18-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.542	0.20	5	0	90.8	39 - 127				
2,4-Dimethylphenol	2.442	0.20	5	0	48.8	35 - 120				
2,4-Dinitrotoluene	4.487	0.20	5	0	89.7	50 - 122				
2,6-Dinitrotoluene	4.591	0.20	5	0	91.8	50 - 120				
2-Chloronaphthalene	5.149	0.20	5	0	103	50 - 120				
2-Methylnaphthalene	4.272	0.10	5	0	85.4	50 - 120				
4,6-Dinitro-2-methylphenol	4.661	0.20	5	0	93.2	25 - 121				
4-Nitrophenol	2.117	1.0	5	0	42.3	30 - 130				
Acenaphthene	4.149	0.10	5	0	83.0	45 - 120				
Acenaphthylene	4.162	0.10	5	0	83.2	47 - 120				
Anthracene	4.583	0.10	5	0	91.7	45 - 120				
Benz(a)anthracene	4.36	0.10	5	0	87.2	40 - 120				
Benzo(a)pyrene	3.662	0.10	5	0	73.2	45 - 120				
Bis(2-chloroethoxy)methane	4.205	0.20	5	0	84.1	45 - 120				
Bis(2-ethylhexyl)phthalate	4.521	0.20	5	0	90.4	40 - 139				
Chrysene	5.006	0.10	5	0	100	43 - 120				
Dibenzofuran	4.33	0.10	5	0	86.6	50 - 120				
Di-n-butyl phthalate	4.351	0.20	5	0	87.0	45 - 123				
Fluoranthene	4.591	0.10	5	0	91.8	45 - 125				
Fluorene	4.459	0.10	5	0	89.2	49 - 120				
Naphthalene	4.21	0.10	5	0	84.2	45 - 120				
Nitrobenzene	3.868	0.20	5	0	77.4	44 - 120				
N-Nitrosodiphenylamine	4.438	0.20	5	0	88.8	40 - 125				
Pentachlorophenol	4.242	0.20	5	0	84.8	19 - 121				
Phenanthrene	4.528	0.10	5	0	90.6	45 - 121				
Phenol	4.155	0.20	5	0	83.1	20 - 124				
Pyrene	4.451	0.10	5	0	89.0	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.251*	*0.20*	*5*	*0*	*85.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4*	*0.20*	*5*	*0*	*80.0*	*40 - 125*				
Surr: 2-Fluorophenol	*3.245*	*0.20*	*5*	*0*	*64.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.479*	*0.20*	*5*	*0*	*89.6*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.718*	*0.20*	*5*	*0*	*74.4*	*41 - 120*				
Surr: Phenol-d6	*3.516*	*0.20*	*5*	*0*	*70.3*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181302 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22070785-03MS** Units: **ug/L** Analysis Date: **19-Jul-2022 18:25**
Client ID: Run ID: **SV-7_413244** SeqNo: **6755772** PrepDate: **18-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.936	0.20	5	0	78.7	39 - 127				
2,4-Dimethylphenol	3.448	0.20	5	0	69.0	35 - 120				
2,4-Dinitrotoluene	4.401	0.20	5	0	88.0	50 - 122				
2,6-Dinitrotoluene	4.073	0.20	5	0	81.5	50 - 120				
2-Chloronaphthalene	4.446	0.20	5	0	88.9	50 - 120				
2-Methylnaphthalene	3.625	0.10	5	0	72.5	50 - 120				
4,6-Dinitro-2-methylphenol	5.238	0.20	5	0	105	25 - 121				
4-Nitrophenol	4.083	1.0	5	0	81.7	30 - 130				
Acenaphthene	3.541	0.10	5	0	70.8	45 - 120				
Acenaphthylene	3.486	0.10	5	0	69.7	47 - 120				
Anthracene	4.165	0.10	5	0	83.3	45 - 120				
Benz(a)anthracene	5.52	0.10	5	0	110	40 - 120				
Benzo(a)pyrene	4.17	0.10	5	0	83.4	45 - 120				
Bis(2-chloroethoxy)methane	3.661	0.20	5	0	73.2	45 - 120				
Bis(2-ethylhexyl)phthalate	4.662	0.20	5	0	93.2	40 - 139				
Chrysene	4.84	0.10	5	0	96.8	43 - 120				
Dibenzofuran	3.624	0.10	5	0	72.5	50 - 120				
Di-n-butyl phthalate	4.141	0.20	5	0	82.8	45 - 123				
Fluoranthene	4.492	0.10	5	0	89.8	45 - 125				
Fluorene	3.832	0.10	5	0	76.6	49 - 120				
Naphthalene	3.524	0.10	5	0	70.5	45 - 120				
Nitrobenzene	3.424	0.20	5	0	68.5	44 - 120				
N-Nitrosodiphenylamine	4.051	0.20	5	0	81.0	40 - 125				
Pentachlorophenol	5.607	0.20	5	0	112	19 - 121				
Phenanthrene	4.838	0.10	5	0	96.8	45 - 121				
Phenol	3.707	0.20	5	0	74.1	20 - 124				
Pyrene	4.608	0.10	5	0	92.2	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.374*	*0.20*	*5*	*0*	*87.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.291*	*0.20*	*5*	*0*	*65.8*	*40 - 125*				
Surr: 2-Fluorophenol	*2.701*	*0.20*	*5*	*0*	*54.0*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.714*	*0.20*	*5*	*0*	*94.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.384*	*0.20*	*5*	*0*	*67.7*	*41 - 120*				
Surr: Phenol-d6	*3.22*	*0.20*	*5*	*0*	*64.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: 181302 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22070785-03MSD** Units: **ug/L** Analysis Date: **19-Jul-2022 18:47**
Client ID: Run ID: **SV-7_413244** SeqNo: **6755773** PrepDate: **18-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.619	0.20	5	0	92.4	39 - 127	3.936	16	20	
2,4-Dimethylphenol	3.436	0.20	5	0	68.7	35 - 120	3.448	0.347	20	
2,4-Dinitrotoluene	4.918	0.20	5	0	98.4	50 - 122	4.401	11.1	20	
2,6-Dinitrotoluene	4.375	0.20	5	0	87.5	50 - 120	4.073	7.14	20	
2-Chloronaphthalene	4.714	0.20	5	0	94.3	50 - 120	4.446	5.85	20	
2-Methylnaphthalene	3.647	0.10	5	0	72.9	50 - 120	3.625	0.6	20	
4,6-Dinitro-2-methylphenol	5.368	0.20	5	0	107	25 - 121	5.238	2.46	30	
4-Nitrophenol	4.136	1.0	5	0	82.7	30 - 130	4.083	1.29	20	
Acenaphthene	3.748	0.10	5	0	75.0	45 - 120	3.541	5.68	20	
Acenaphthylene	3.669	0.10	5	0	73.4	47 - 120	3.486	5.13	20	
Anthracene	4.501	0.10	5	0	90.0	45 - 120	4.165	7.76	20	
Benz(a)anthracene	5.899	0.10	5	0	118	40 - 120	5.52	6.65	20	
Benzo(a)pyrene	4.522	0.10	5	0	90.4	45 - 120	4.17	8.11	20	
Bis(2-chloroethoxy)methane	3.669	0.20	5	0	73.4	45 - 120	3.661	0.239	20	
Bis(2-ethylhexyl)phthalate	5.25	0.20	5	0	105	40 - 139	4.662	11.9	20	
Chrysene	6.094	0.10	5	0	122	43 - 120	4.84	22.9	20	SR
Dibenzofuran	3.927	0.10	5	0	78.5	50 - 120	3.624	8.04	20	
Di-n-butyl phthalate	4.482	0.20	5	0	89.6	45 - 123	4.141	7.92	20	
Fluoranthene	4.886	0.10	5	0	97.7	45 - 125	4.492	8.41	20	
Fluorene	4.224	0.10	5	0	84.5	49 - 120	3.832	9.72	20	
Naphthalene	3.579	0.10	5	0	71.6	45 - 120	3.524	1.54	20	
Nitrobenzene	3.407	0.20	5	0	68.1	44 - 120	3.424	0.5	20	
N-Nitrosodiphenylamine	4.748	0.20	5	0	95.0	40 - 125	4.051	15.8	20	
Pentachlorophenol	6.17	0.20	5	0	123	19 - 121	5.607	9.55	20	S
Phenanthrene	5.416	0.10	5	0	108	45 - 121	4.838	11.3	20	
Phenol	3.623	0.20	5	0	72.5	20 - 124	3.707	2.29	20	
Pyrene	5.071	0.10	5	0	101	40 - 130	4.608	9.57	20	
Surr: 2,4,6-Tribromophenol	*4.91*	*0.20*	*5*	*0*	*98.2*	*34 - 129*	*4.374*	*11.5*	*20*	
Surr: 2-Fluorobiphenyl	*3.407*	*0.20*	*5*	*0*	*68.1*	*40 - 125*	*3.291*	*3.46*	*20*	
Surr: 2-Fluorophenol	*2.56*	*0.20*	*5*	*0*	*51.2*	*20 - 120*	*2.701*	*5.35*	*20*	
Surr: 4-Terphenyl-d14	*5.331*	*0.20*	*5*	*0*	*107*	*40 - 135*	*4.714*	*12.3*	*20*	
Surr: Nitrobenzene-d5	*2.929*	*0.20*	*5*	*0*	*58.6*	*41 - 120*	*3.384*	*14.4*	*20*	
Surr: Phenol-d6	*3.137*	*0.20*	*5*	*0*	*62.7*	*20 - 120*	*3.22*	*2.63*	*20*	

The following samples were analyzed in this batch: HS22070669-02 HS22070669-03 HS22070669-04

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: R412962 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220714** Units: **ug/L** Analysis Date: **14-Jul-2022 22:46**
Client ID: Run ID: **VOA7_412962** SeqNo: **6747284** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*55.79*	*1.0*	*50*	*0*	*112*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.67*	*1.0*	*50*	*0*	*97.3*	*77 - 113*				
Surr: Dibromofluoromethane	*51.48*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*50.61*	*1.0*	*50*	*0*	*101*	*81 - 120*				

LCS Sample ID: **VLCSW-220714** Units: **ug/L** Analysis Date: **14-Jul-2022 22:06**
Client ID: Run ID: **VOA7_412962** SeqNo: **6747283** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.23	1.0	20	0	91.2	70 - 124				
Benzene	17.88	1.0	20	0	89.4	74 - 120				
Chlorobenzene	17.46	1.0	20	0	87.3	76 - 113				
Ethylbenzene	17.36	1.0	20	0	86.8	77 - 117				
Methylene chloride	18.06	2.0	20	0	90.3	70 - 127				
Toluene	18.1	1.0	20	0	90.5	77 - 118				
Vinyl chloride	17.13	1.0	20	0	85.6	70 - 130				
Xylenes, Total	53.29	1.0	60	0	88.8	75 - 122				
Surr: 1,2-Dichloroethane-d4	*55.12*	*1.0*	*50*	*0*	*110*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.15*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*53.38*	*1.0*	*50*	*0*	*107*	*73 - 126*				
Surr: Toluene-d8	*50.69*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: R412962 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070669-14MS** Units: **ug/L** Analysis Date: **15-Jul-2022 00:04**
Client ID: **WG-1620-MW88B-20220713** Run ID: **VOA7_412962** SeqNo: **6747288** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.15	1.0	20	0	85.8	70 - 127				
Benzene	18.57	1.0	20	0	92.8	70 - 127				
Chlorobenzene	17.9	1.0	20	0	89.5	70 - 114				
Ethylbenzene	18.11	1.0	20	0	90.6	70 - 124				
Methylene chloride	19.31	2.0	20	0	96.5	70 - 128				
Toluene	18.46	1.0	20	0	92.3	70 - 123				
Vinyl chloride	17.68	1.0	20	0	88.4	70 - 130				
Xylenes, Total	55.41	1.0	60	0	92.4	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.64*	*1.0*	*50*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.66*	*1.0*	*50*	*0*	*99.3*	*77 - 113*				
Surr: Dibromofluoromethane	*53.12*	*1.0*	*50*	*0*	*106*	*77 - 123*				
Surr: Toluene-d8	*50.38*	*1.0*	*50*	*0*	*101*	*82 - 127*				

MSD Sample ID: **HS22070669-14MSD** Units: **ug/L** Analysis Date: **15-Jul-2022 00:24**
Client ID: **WG-1620-MW88B-20220713** Run ID: **VOA7_412962** SeqNo: **6747289** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.56	1.0	20	0	87.8	70 - 127	17.15	2.37	20	
Benzene	18.36	1.0	20	0	91.8	70 - 127	18.57	1.1	20	
Chlorobenzene	18.07	1.0	20	0	90.4	70 - 114	17.9	0.966	20	
Ethylbenzene	17.95	1.0	20	0	89.8	70 - 124	18.11	0.902	20	
Methylene chloride	17.96	2.0	20	0	89.8	70 - 128	19.31	7.24	20	
Toluene	18.23	1.0	20	0	91.1	70 - 123	18.46	1.28	20	
Vinyl chloride	16.56	1.0	20	0	82.8	70 - 130	17.68	6.54	20	
Xylenes, Total	55.25	1.0	60	0	92.1	70 - 130	55.41	0.29	20	
Surr: 1,2-Dichloroethane-d4	*54.72*	*1.0*	*50*	*0*	*109*	*70 - 126*	*56.64*	*3.45*	*20*	
Surr: 4-Bromofluorobenzene	*48.99*	*1.0*	*50*	*0*	*98.0*	*77 - 113*	*49.66*	*1.36*	*20*	
Surr: Dibromofluoromethane	*51.66*	*1.0*	*50*	*0*	*103*	*77 - 123*	*53.12*	*2.78*	*20*	
Surr: Toluene-d8	*50.97*	*1.0*	*50*	*0*	*102*	*82 - 127*	*50.38*	*1.17*	*20*	

The following samples were analyzed in this batch:

HS22070669-01	HS22070669-02	HS22070669-03	HS22070669-04
HS22070669-05	HS22070669-06	HS22070669-08	HS22070669-09
HS22070669-10	HS22070669-11	HS22070669-12	HS22070669-13
HS22070669-14	HS22070669-15	HS22070669-16	HS22070669-17
HS22070669-18	HS22070669-19	HS22070669-20	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: R413033 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220715** Units: **ug/L** Analysis Date: **15-Jul-2022 11:48**
Client ID: Run ID: **VOA7_413033** SeqNo: **6748942** 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	1.0							
Surr: 1,2-Dichloroethane-d4	*55.7*	*1.0*	*50*	*0*	*111*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*48.81*	*1.0*	*50*	*0*	*97.6*	*77 - 113*			
Surr: Dibromofluoromethane	*51.19*	*1.0*	*50*	*0*	*102*	*73 - 126*			
Surr: Toluene-d8	*50.72*	*1.0*	*50*	*0*	*101*	*81 - 120*			

LCS Sample ID: **VLCSW-220715** Units: **ug/L** Analysis Date: **15-Jul-2022 10:49**
Client ID: Run ID: **VOA7_413033** SeqNo: **6748941** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	17.24	1.0	20	0	86.2	70 - 124			
Benzene	17.56	1.0	20	0	87.8	74 - 120			
Chlorobenzene	17.34	1.0	20	0	86.7	76 - 113			
Ethylbenzene	17.61	1.0	20	0	88.0	77 - 117			
Methylene chloride	17.46	2.0	20	0	87.3	70 - 127			
Toluene	17.71	1.0	20	0	88.6	77 - 118			
Xylenes, Total	53.39	1.0	60	0	89.0	75 - 122			
Surr: 1,2-Dichloroethane-d4	*54.94*	*1.0*	*50*	*0*	*110*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*49.01*	*1.0*	*50*	*0*	*98.0*	*77 - 113*			
Surr: Dibromofluoromethane	*52.17*	*1.0*	*50*	*0*	*104*	*73 - 126*			
Surr: Toluene-d8	*50.83*	*1.0*	*50*	*0*	*102*	*81 - 120*			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: R413033 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070349-25MS** Units: **ug/L** Analysis Date: **15-Jul-2022 13:46**
Client ID: Run ID: **VOA7_413033** SeqNo: **6748943** PrepDate: DF: **4000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	68180	4000	80000	0	85.2	70 - 127				
Benzene	68040	4000	80000	0	85.0	70 - 127				
Chlorobenzene	67700	4000	80000	0	84.6	70 - 114				
Ethylbenzene	68350	4000	80000	0	85.4	70 - 124				
Methylene chloride	71080	8000	80000	0	88.8	70 - 128				
Toluene	69370	4000	80000	0	86.7	70 - 123				
Xylenes, Total	210000	4000	240000	0	87.5	70 - 130				
Surr: 1,2-Dichloroethane-d4	*221200*	*4000*	*200000*	*0*	*111*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*199000*	*4000*	*200000*	*0*	*99.5*	*77 - 113*				
Surr: Dibromofluoromethane	*204200*	*4000*	*200000*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*201900*	*4000*	*200000*	*0*	*101*	*82 - 127*				

MSD Sample ID: **HS22070349-25MSD** Units: **ug/L** Analysis Date: **15-Jul-2022 14:05**
Client ID: Run ID: **VOA7_413033** SeqNo: **6748944** PrepDate: DF: **4000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	75290	4000	80000	0	94.1	70 - 127	68180	9.92	20	
Benzene	74710	4000	80000	0	93.4	70 - 127	68040	9.35	20	
Chlorobenzene	76570	4000	80000	0	95.7	70 - 114	67700	12.3	20	
Ethylbenzene	77190	4000	80000	0	96.5	70 - 124	68350	12.2	20	
Methylene chloride	74520	8000	80000	0	93.2	70 - 128	71080	4.73	20	
Toluene	78150	4000	80000	0	97.7	70 - 123	69370	11.9	20	
Xylenes, Total	237300	4000	240000	0	98.9	70 - 130	210000	12.2	20	
Surr: 1,2-Dichloroethane-d4	*222600*	*4000*	*200000*	*0*	*111*	*70 - 126*	*221200*	*0.622*	*20*	
Surr: 4-Bromofluorobenzene	*201800*	*4000*	*200000*	*0*	*101*	*77 - 113*	*199000*	*1.41*	*20*	
Surr: Dibromofluoromethane	*207700*	*4000*	*200000*	*0*	*104*	*77 - 123*	*204200*	*1.66*	*20*	
Surr: Toluene-d8	*203800*	*4000*	*200000*	*0*	*102*	*82 - 127*	*201900*	*0.963*	*20*	

The following samples were analyzed in this batch: HS22070669-02 HS22070669-03 HS22070669-06 HS22070669-07 HS22070669-08

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: R413084 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220715** Units: **ug/L** Analysis Date: **15-Jul-2022 21:57**
Client ID: Run ID: **VOA7_413084** SeqNo: **6750584** 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	1.0							
Surr: 1,2-Dichloroethane-d4	*54.65*	*1.0*	*50*	*0*	*109*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*48.84*	*1.0*	*50*	*0*	*97.7*	*77 - 113*			
Surr: Dibromofluoromethane	*52.29*	*1.0*	*50*	*0*	*105*	*73 - 126*			
Surr: Toluene-d8	*51.16*	*1.0*	*50*	*0*	*102*	*81 - 120*			

LCS Sample ID: **VLCSW-220715** Units: **ug/L** Analysis Date: **15-Jul-2022 21:17**
Client ID: Run ID: **VOA7_413084** SeqNo: **6750583** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	16.86	1.0	20	0	84.3	70 - 124			
Benzene	17.15	1.0	20	0	85.7	74 - 120			
Chlorobenzene	16.65	1.0	20	0	83.2	76 - 113			
Ethylbenzene	16.57	1.0	20	0	82.9	77 - 117			
Methylene chloride	18.65	2.0	20	0	93.2	70 - 127			
Toluene	16.76	1.0	20	0	83.8	77 - 118			
Xylenes, Total	51.3	1.0	60	0	85.5	75 - 122			
Surr: 1,2-Dichloroethane-d4	*55.24*	*1.0*	*50*	*0*	*110*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*49.41*	*1.0*	*50*	*0*	*98.8*	*77 - 113*			
Surr: Dibromofluoromethane	*52.64*	*1.0*	*50*	*0*	*105*	*73 - 126*			
Surr: Toluene-d8	*50.78*	*1.0*	*50*	*0*	*102*	*81 - 120*			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070669

QC BATCH REPORT

Batch ID: R413084 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070669-10MS** Units: **ug/L** Analysis Date: **15-Jul-2022 22:36**
Client ID: **WG-1620-MW17-20220712** Run ID: **VOA7_413084** SeqNo: **6750586** PrepDate: DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	193	10	200	0	96.5	70 - 127				
Benzene	719.1	10	200	500.4	109	70 - 127				
Chlorobenzene	179.5	10	200	0	89.7	70 - 114				
Ethylbenzene	382.7	10	200	183.7	99.5	70 - 124				
Methylene chloride	198.8	20	200	0	99.4	70 - 128				
Toluene	982.2	10	200	754.8	114	70 - 123				
Xylenes, Total	1170	10	600	565	101	70 - 130				
Surr: 1,2-Dichloroethane-d4	*559.1*	*10*	*500*	*0*	*112*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*502.7*	*10*	*500*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*523.7*	*10*	*500*	*0*	*105*	*77 - 123*				
Surr: Toluene-d8	*503.6*	*10*	*500*	*0*	*101*	*82 - 127*				

MSD Sample ID: **HS22070669-10MSD** Units: **ug/L** Analysis Date: **15-Jul-2022 22:56**
Client ID: **WG-1620-MW17-20220712** Run ID: **VOA7_413084** SeqNo: **6750587** PrepDate: DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	178.3	10	200	0	89.1	70 - 127	193	7.94	20	
Benzene	699.6	10	200	500.4	99.6	70 - 127	719.1	2.75	20	
Chlorobenzene	172.8	10	200	0	86.4	70 - 114	179.5	3.77	20	
Ethylbenzene	364.5	10	200	183.7	90.4	70 - 124	382.7	4.87	20	
Methylene chloride	190.4	20	200	0	95.2	70 - 128	198.8	4.32	20	
Toluene	942.1	10	200	754.8	93.6	70 - 123	982.2	4.17	20	
Xylenes, Total	1124	10	600	565	93.2	70 - 130	1170	3.97	20	
Surr: 1,2-Dichloroethane-d4	*552.9*	*10*	*500*	*0*	*111*	*70 - 126*	*559.1*	*1.13*	*20*	
Surr: 4-Bromofluorobenzene	*501*	*10*	*500*	*0*	*100*	*77 - 113*	*502.7*	*0.331*	*20*	
Surr: Dibromofluoromethane	*521.2*	*10*	*500*	*0*	*104*	*77 - 123*	*523.7*	*0.483*	*20*	
Surr: Toluene-d8	*502.1*	*10*	*500*	*0*	*100*	*82 - 127*	*503.6*	*0.296*	*20*	

The following samples were analyzed in this batch: HS22070669-10 HS22070669-21 HS22070669-22 HS22070669-23

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22070669**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352 2021-2022	31-Jul-2022
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932021-12	30-Jul-2022

Sample Receipt Checklist

Work Order ID: HS22070669 **Date/Time Received:** **14-Jul-2022 10:35**

Client Name: PBW **Received by:** **Corey Grandits**

Completed By:	/S/ Nelson D. Dusara	14-Jul-2022 13:35	**Reviewed by:**	/S/ Dane J. Wacasey	15-Jul-2022 08:14
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** 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 ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:275049/275054/275057
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):	1.5/1.9,3.1/3.6,2.1/2.6,1.7/2.1,2.3/2.8 C UC/C	IR 31
Cooler(s)/Kit(s):	49027/49299/49219/45083/44909	
Date/Time sample(s) sent to storage:	07/14/2022 14:00	

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: MS/MSD Count differs COC=6 Bottles received=12 Bottles.

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 1 of 3

COC ID: 275049

HS22070669

WSP Golder

Houston TX-Wood Preserving Works

, WV

ALS Project Manager:

Customer Information		Project Information	
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev0 SR 92688
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D ICP_TW (5636002 Metals - As) [120ml PI HNO3]
E
F
G
H
I
J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG [redacted]-1620-TB02-20220712			Water	1	2		X									
2	WG-1620-MW18C-20220712	7-12-22	0815	W		6	X		X	X							
3	WG-1620-MW18A-20220712		0905	W		6		X	X	X							
4	WG-1620-MW58A-20220712		1000	W		6	(X)		(X)	(X)	DW 7-14-22 ALS						
5	WG-1620-MW57A-20220712		1055	W		6	X		X	X							
6	WG-1620-MW57B-20220712		1145	W		6	X		X	X							
7	WG-1620-MW19C-20220712		1315	W		6	X		X	X							
8	WG-1620-MW72B-20220712		1420	W		6	X		X	X							
9	WG-1620-MW23C-20220712		1515	W		6	X		X	X							
10	WG-1620-MW17-20220712		1610	W		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Date: 7-14-22 Time: Received by:

Relinquished by: Date: Time: Received by (Laboratory): [illegible] 7-14-22 1835

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
49827	1.5
49299	3.1
49219	2.1
49683	1.7

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.

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Chain of Custody Form

COC ID: 275054

HS22070669

WSP Golder

Houston TX-Wood Preserving Works

Customer Information		Project Information		ALS Project Manager:
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	
Work Order		Project Number	1620-01-Rev0 SR 92688	
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	
Phone	(512) 671-3434	Phone		
Fax	(512) 671-3446	Fax		
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		

A	8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B	8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C	8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D	ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
E	MS/MSD
F	
G	
H	
I	
J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WG-1620-TB~~			Water	1	2		X									
2	WG-1620-MW17C-20220712	7-12-22	1700	W		6		X	X	X							
3	WG-1620-MW88A-20220712	7-12-22	1800	W		6	X		X	X							
4	WG-1620-FB03-20220713	7-13-22	0710	W		6	[redacted]	X	X	X							
5	WG-1620-MW88B-20220713		0805	W	(PW ALS)	6 to 12	X		X	X	X						
6	WG-1620-MW12C-20220713		0905	W		6	X		X	X							
7	WG-1620-MW12A-20220713		1000	W		6	X		X	X							
8	WG-1620-[redacted]TW41B-20220713		1055	W		6	X		X	X							
9	WG-1620-MW62B-20220713		1155	W		6	X		X	X							
10	WG-1620-P11-20220713		1255	W		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hou [ ] Other

Results Due Date:

Relinquished by:	Date: 7-14-22	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory): CURET A 7-14-22 1035	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: UPRR HWPW 1620-01

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:
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Chain of Custody Form

Page 3 of 3

COC ID: 275057

HS22070669

WSP Golder

Houston TX-Wood Preserving Works

, WV

ALS Project Manager:

Customer Information		Project Information	
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev0 SR 92688
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
E
F
G
H
I
J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WQ-1620-TB~~			Water	1	2		X									
2	WG-1620-MW05-20220713	7-13-22	1400	W		6	X		X	X							
3	WG-1620-MW64A-20220713	7-13-22	1510	W		6	X		X	X							
4	WG-1620-MW09-20220713	↓	1620	W		6	X		X	X							
5	WG-1620-MW03-20220713	↓	1725	W		6	X		X	X							
6																	
7																	
8																	
9																	
0																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Date: 7-14-22 Time: Received by:

Relinquished by: Date: Time: Received by (Laboratory): COREY A 7-14-22 1635

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
[ ] Level II Std QC
[ ] Level III Std QC/Raw Date
[ ] 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:
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October 31, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22070837**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 12 sample(s) on Jul 18, 2022 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: DANE.WACASEY
Dane J. Wacasey

Client: WSP Golder **CASE NARRATIVE**
Project: Houston TX-Wood Preserving Works
Work Order: HS22070837

Work Order Comments

- This report was revised October 31, 2022 in order to include an Exception Report to the TRRP LRC with regards to condition upon receipt for metals container for sample WG-1620-MW85C-20220714.

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22070837**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22070837**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 07/29/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070837					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181419, 181705, R413251, R413346, R413435					
#[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			1
		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			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				
		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				4
		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: 07/29/2022				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070837				
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181419, 181705, R413251, R413346, R413435				
#[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: 07/29/2022
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS22070837
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 181419, 181705, R413251, R413346, R413435

ER#[5]	Description
1	Time differs: WG-1620-MW-85C COC= 0950 vial Labels=09:55. Samples were logged in per COC. Sample WG-1620-MW85C-20220714: Metals container received pH>2 (9). Additional 0.5mL of HNO3 was added 07/18/2022 @ 02:50pm [Lot # 318173210 By Si Ma]. pH<2 was not achieved with additional HNO3. Final adjusted pH was 6.
2	Batch 181419, Semivolatiles by method SW8270, Samples WG-1620-MW78A-20220714, WG-1620-MW77A-20220714: surrogate recoveries could not be determined due to dilution below the calibration range.
3	Batch 181419, Semivolatiles by method SW8270, Sample HS22070991-03, MS and MSD were performed on an unrelated sample
4	Batch R413435, Volatiles by method SW8260, Sample WG-1620-MW85C-20220714, dilution required due to 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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22070837

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22070837-01	WG-1620-TB03-20220714	Water		14-Jul-2022 00:00	18-Jul-2022 11:40	☐
HS22070837-02	WG-1620-MW04-20220714	Water		14-Jul-2022 07:55	18-Jul-2022 11:40	☐
HS22070837-03	WG-1620-FB04-20220714	Water		14-Jul-2022 07:05	18-Jul-2022 11:40	☐
HS22070837-04	WG-1620-MW78A-20220714	Water		14-Jul-2022 09:00	18-Jul-2022 11:40	☐
HS22070837-05	WG-1620-MW85C-20220714	Water		14-Jul-2022 09:50	18-Jul-2022 11:40	☐
HS22070837-06	WG-1620-MW77A-20220714	Water		14-Jul-2022 11:40	18-Jul-2022 11:40	☐
HS22070837-07	WG-1620-MW76B-20220714	Water		14-Jul-2022 12:45	18-Jul-2022 11:40	☐
HS22070837-08	WG-1620-MW76C-20220714	Water		14-Jul-2022 13:40	18-Jul-2022 11:40	☐
HS22070837-09	WG-1620-MW97A-20220714	Water		14-Jul-2022 14:35	18-Jul-2022 11:40	☐
HS22070837-10	WG-1620-MW98A-20220714	Water		14-Jul-2022 15:25	18-Jul-2022 11:40	☐
HS22070837-11	WG-1620-MW98B-20220714	Water		14-Jul-2022 16:10	18-Jul-2022 11:40	☐
HS22070837-12	WG-1620-MW81B-20220714	Water		14-Jul-2022 17:00	18-Jul-2022 11:40	☐

Revision:1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB03-20220714
Collection Date: 14-Jul-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:07
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:07
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:07
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:07
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 17:07
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:07
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:07
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*19-Jul-2022 17:07*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*19-Jul-2022 17:07*
Surr: Dibromofluoromethane	*94.0*			*77-123*	*%REC*	*1*	*19-Jul-2022 17:07*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*19-Jul-2022 17:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW04-20220714
Collection Date: 14-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:52
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:52
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:52
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:52
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 17:52
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:52
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:52
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*19-Jul-2022 17:52*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*19-Jul-2022 17:52*
Surr: Dibromofluoromethane	*94.1*			*77-123*	*%REC*	*1*	*19-Jul-2022 17:52*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*19-Jul-2022 17:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works WorkOrder:HS22070837
Sample ID: WG-1620-MW04-20220714 Lab ID:HS22070837-02
Collection Date: 14-Jul-2022 07:55 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 01:27
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2022 01:27
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 01:27
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 01:27
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 01:27
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 01:27
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 01:27
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 01:27
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2022 01:27
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 01:27
Anthracene	**0.000079**	J	**0.000014**	**0.00010**	**mg/L**	1	26-Jul-2022 01:27
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 01:27
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 01:27
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 01:27
Bis(2-ethylhexyl)phthalate	**0.00099**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 01:27
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 01:27
Dibenzofuran	**0.000027**	J	**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 01:27
Di-n-butyl phthalate	**0.000030**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2022 01:27
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2022 01:27
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2022 01:27
Naphthalene	**0.000059**	J	**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 01:27
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 01:27
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 01:27
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2022 01:27
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 01:27
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2022 01:27
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 01:27
Surr: 2,4,6-Tribromophenol	*93.7*			*34-129*	*%REC*	*1*	*26-Jul-2022 01:27*
Surr: 2-Fluorobiphenyl	*76.6*			*40-125*	*%REC*	*1*	*26-Jul-2022 01:27*
Surr: 2-Fluorophenol	*59.6*			*20-120*	*%REC*	*1*	*26-Jul-2022 01:27*
Surr: 4-Terphenyl-d14	*102*			*40-135*	*%REC*	*1*	*26-Jul-2022 01:27*
Surr: Nitrobenzene-d5	*67.4*			*41-120*	*%REC*	*1*	*26-Jul-2022 01:27*
Surr: Phenol-d6	*67.2*			*20-120*	*%REC*	*1*	*26-Jul-2022 01:27*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.00232**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 17:24

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB04-20220714
Collection Date: 14-Jul-2022 07:05

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 17:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 17:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 17:30
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*19-Jul-2022 17:30*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*19-Jul-2022 17:30*
Surr: Dibromofluoromethane	*97.9*			*77-123*	*%REC*	*1*	*19-Jul-2022 17:30*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*19-Jul-2022 17:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB04-20220714
Collection Date: 14-Jul-2022 07:05

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 01:46
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2022 01:46
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 01:46
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 01:46
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 01:46
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 01:46
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 01:46
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 01:46
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2022 01:46
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 01:46
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2022 01:46
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 01:46
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 01:46
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 01:46
Bis(2-ethylhexyl)phthalate	**0.00045**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 01:46
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 01:46
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 01:46
Di-n-butyl phthalate	**0.000032**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2022 01:46
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2022 01:46
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2022 01:46
Naphthalene	**0.000039**	J	**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 01:46
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 01:46
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 01:46
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2022 01:46
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 01:46
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2022 01:46
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 01:46
Surr: 2,4,6-Tribromophenol	*81.2*			*34-129*	*%REC*	*1*	*26-Jul-2022 01:46*
Surr: 2-Fluorobiphenyl	*96.0*			*40-125*	*%REC*	*1*	*26-Jul-2022 01:46*
Surr: 2-Fluorophenol	*74.6*			*20-120*	*%REC*	*1*	*26-Jul-2022 01:46*
Surr: 4-Terphenyl-d14	*112*			*40-135*	*%REC*	*1*	*26-Jul-2022 01:46*
Surr: Nitrobenzene-d5	*95.2*			*41-120*	*%REC*	*1*	*26-Jul-2022 01:46*
Surr: Phenol-d6	*82.8*			*20-120*	*%REC*	*1*	*26-Jul-2022 01:46*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	28-Jul-2022 17:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW78A-20220714
Collection Date: 14-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 18:15
Benzene	**0.22**		**0.0020**	**0.010**	**mg/L**	10	20-Jul-2022 14:39
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 18:15
Ethylbenzene	**0.18**		**0.00030**	**0.0010**	**mg/L**	1	19-Jul-2022 18:15
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 18:15
Toluene	**0.39**		**0.0020**	**0.010**	**mg/L**	10	20-Jul-2022 14:39
Xylenes, Total	**0.44**		**0.00030**	**0.0010**	**mg/L**	1	19-Jul-2022 18:15
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*19-Jul-2022 18:15*
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*10*	*20-Jul-2022 14:39*
Surr: 4-Bromofluorobenzene	*107*			*77-113*	*%REC*	*1*	*19-Jul-2022 18:15*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*10*	*20-Jul-2022 14:39*
Surr: Dibromofluoromethane	*96.2*			*77-123*	*%REC*	*1*	*19-Jul-2022 18:15*
Surr: Dibromofluoromethane	*97.1*			*77-123*	*%REC*	*10*	*20-Jul-2022 14:39*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*19-Jul-2022 18:15*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*10*	*20-Jul-2022 14:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW78A-20220714
Collection Date: 14-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	26-Jul-2022 17:18
2,4-Dimethylphenol	**3.3**		**0.040**	**0.20**	**mg/L**	1000	26-Jul-2022 17:37
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	26-Jul-2022 17:18
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	26-Jul-2022 17:18
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	26-Jul-2022 17:18
2-Methylnaphthalene	**0.58**		**0.0019**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	26-Jul-2022 17:18
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	26-Jul-2022 17:18
Acenaphthene	**0.31**		**0.0027**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	26-Jul-2022 17:18
Anthracene	**0.030**		**0.0014**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	26-Jul-2022 17:18
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	26-Jul-2022 17:18
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	26-Jul-2022 17:18
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	26-Jul-2022 17:18
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	26-Jul-2022 17:18
Dibenzofuran	**0.24**		**0.0020**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	26-Jul-2022 17:18
Fluoranthene	**0.013**		**0.0010**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
Fluorene	**0.19**		**0.0030**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
Naphthalene	**12**		**0.20**	**1.0**	**mg/L**	10000	27-Jul-2022 12:57
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	26-Jul-2022 17:18
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	26-Jul-2022 17:18
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	26-Jul-2022 17:18
Phenanthrene	**0.18**		**0.0021**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
Phenol	**0.035**		**0.0035**	**0.020**	**mg/L**	100	26-Jul-2022 17:18
Pyrene	**0.0073**	J	**0.0019**	**0.010**	**mg/L**	100	26-Jul-2022 17:18
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*26-Jul-2022 17:18*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*26-Jul-2022 17:37*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*27-Jul-2022 12:57*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*27-Jul-2022 12:57*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*26-Jul-2022 17:18*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*26-Jul-2022 17:37*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*26-Jul-2022 17:18*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*26-Jul-2022 17:37*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*27-Jul-2022 12:57*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*26-Jul-2022 17:18*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*26-Jul-2022 17:37*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*27-Jul-2022 12:57*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW78A-20220714
Collection Date: 14-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 20-Jul-2022		Analyst: EM
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*27-Jul-2022 12:57*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*26-Jul-2022 17:18*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*26-Jul-2022 17:37*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*27-Jul-2022 12:57*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*26-Jul-2022 17:18*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*26-Jul-2022 17:37*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.0254**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 15:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW85C-20220714
Collection Date: 14-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	**0.046**	J	**0.010**	**0.050**	**mg/L**	50	21-Jul-2022 17:37
Benzene	< 0.010		0.010	0.050	mg/L	50	21-Jul-2022 17:37
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	21-Jul-2022 17:37
Ethylbenzene	< 0.015		0.015	0.050	mg/L	50	21-Jul-2022 17:37
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	21-Jul-2022 17:37
Toluene	< 0.010		0.010	0.050	mg/L	50	21-Jul-2022 17:37
Xylenes, Total	< 0.015		0.015	0.050	mg/L	50	21-Jul-2022 17:37
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*50*	*21-Jul-2022 17:37*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*50*	*21-Jul-2022 17:37*
Surr: Dibromofluoromethane	*99.1*			*77-123*	*%REC*	*50*	*21-Jul-2022 17:37*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*50*	*21-Jul-2022 17:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW85C-20220714
Collection Date: 14-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 15:23
2,4-Dimethylphenol	**0.00059**		**0.000040**	**0.00020**	**mg/L**	1	26-Jul-2022 15:23
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 15:23
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 15:23
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 15:23
2-Methylnaphthalene	**0.000041**	J	**0.000019**	**0.00010**	**mg/L**	1	26-Jul-2022 15:23
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 15:23
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 15:23
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2022 15:23
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 15:23
Anthracene	**0.00032**		**0.000014**	**0.00010**	**mg/L**	1	26-Jul-2022 15:23
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 15:23
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 15:23
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 15:23
Bis(2-ethylhexyl)phthalate	**0.00062**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 15:23
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 15:23
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 15:23
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 15:23
Fluoranthene	**0.00012**		**0.000010**	**0.00010**	**mg/L**	1	26-Jul-2022 15:23
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2022 15:23
Naphthalene	**0.00036**		**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 15:23
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 15:23
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 15:23
Pentachlorophenol	**0.00029**		**0.000079**	**0.00020**	**mg/L**	1	26-Jul-2022 15:23
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 15:23
Phenol	**0.0011**		**0.000035**	**0.00020**	**mg/L**	1	26-Jul-2022 15:23
Pyrene	**0.00013**		**0.000019**	**0.00010**	**mg/L**	1	26-Jul-2022 15:23
Surr: 2,4,6-Tribromophenol	*57.5*			*34-129*	*%REC*	*1*	*26-Jul-2022 15:23*
Surr: 2-Fluorobiphenyl	*50.0*			*40-125*	*%REC*	*1*	*26-Jul-2022 15:23*
Surr: 2-Fluorophenol	*63.7*			*20-120*	*%REC*	*1*	*26-Jul-2022 15:23*
Surr: 4-Terphenyl-d14	*88.6*			*40-135*	*%REC*	*1*	*26-Jul-2022 15:23*
Surr: Nitrobenzene-d5	*75.2*			*41-120*	*%REC*	*1*	*26-Jul-2022 15:23*
Surr: Phenol-d6	*76.7*			*20-120*	*%REC*	*1*	*26-Jul-2022 15:23*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.191**		**0.0200**	**0.100**	**mg/L**	5	28-Jul-2022 18:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW77A-20220714
Collection Date: 14-Jul-2022 11:40

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 18:00
Benzene	**0.015**		**0.00020**	**0.0010**	**mg/L**	1	21-Jul-2022 18:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 18:00
Ethylbenzene	**0.015**		**0.00030**	**0.0010**	**mg/L**	1	21-Jul-2022 18:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 18:00
Toluene	**0.0013**		**0.00020**	**0.0010**	**mg/L**	1	21-Jul-2022 18:00
Xylenes, Total	**0.015**		**0.00030**	**0.0010**	**mg/L**	1	21-Jul-2022 18:00
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*21-Jul-2022 18:00*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-Jul-2022 18:00*
Surr: Dibromofluoromethane	*98.1*			*77-123*	*%REC*	*1*	*21-Jul-2022 18:00*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*21-Jul-2022 18:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW77A-20220714
Collection Date: 14-Jul-2022 11:40

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	26-Jul-2022 17:56
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	26-Jul-2022 17:56
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	26-Jul-2022 17:56
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	26-Jul-2022 17:56
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	26-Jul-2022 17:56
2-Methylnaphthalene	**0.063**		**0.00019**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.0020	mg/L	10	26-Jul-2022 17:56
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	26-Jul-2022 17:56
Acenaphthene	**0.047**		**0.00027**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Acenaphthylene	**0.00061**	J	**0.00015**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Anthracene	**0.0025**		**0.00014**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	26-Jul-2022 17:56
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	26-Jul-2022 17:56
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	26-Jul-2022 17:56
Bis(2-ethylhexyl)phthalate	**0.00093**	J	**0.00037**	**0.0020**	**mg/L**	10	26-Jul-2022 17:56
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	26-Jul-2022 17:56
Dibenzofuran	**0.025**		**0.00020**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	26-Jul-2022 17:56
Fluoranthene	**0.00042**	J	**0.00010**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Fluorene	**0.025**		**0.00030**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Naphthalene	**1.1**		**0.020**	**0.10**	**mg/L**	1000	27-Jul-2022 12:38
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	26-Jul-2022 17:56
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	26-Jul-2022 17:56
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	26-Jul-2022 17:56
Phenanthrene	**0.013**		**0.00021**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	26-Jul-2022 17:56
Pyrene	**0.00027**	J	**0.00019**	**0.0010**	**mg/L**	10	26-Jul-2022 17:56
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*27-Jul-2022 12:38*
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*10*	*26-Jul-2022 17:56*
Surr: 2-Fluorobiphenyl	*69.0*			*40-125*	*%REC*	*10*	*26-Jul-2022 17:56*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*27-Jul-2022 12:38*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*27-Jul-2022 12:38*
Surr: 2-Fluorophenol	*72.5*			*20-120*	*%REC*	*10*	*26-Jul-2022 17:56*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*10*	*26-Jul-2022 17:56*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*27-Jul-2022 12:38*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*27-Jul-2022 12:38*
Surr: Nitrobenzene-d5	*66.0*			*41-120*	*%REC*	*10*	*26-Jul-2022 17:56*
Surr: Phenol-d6	*66.4*			*20-120*	*%REC*	*10*	*26-Jul-2022 17:56*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*27-Jul-2022 12:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW77A-20220714
Collection Date: 14-Jul-2022 11:40

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.0128**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 18:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070837
Sample ID: WG-1620-MW76B-20220714
Lab ID:HS22070837-07
Collection Date: 14-Jul-2022 12:45
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 18:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 18:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 18:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 18:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 18:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 18:37
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 18:37
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*19-Jul-2022 18:37*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*19-Jul-2022 18:37*
Surr: Dibromofluoromethane	*94.9*			*77-123*	*%REC*	*1*	*19-Jul-2022 18:37*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*19-Jul-2022 18:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW76B-20220714
Collection Date: 14-Jul-2022 12:45

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 03:02
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2022 03:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 03:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 03:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 03:02
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 03:02
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 03:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 03:02
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2022 03:02
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 03:02
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2022 03:02
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 03:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 03:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 03:02
Bis(2-ethylhexyl)phthalate	**0.00049**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 03:02
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 03:02
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 03:02
Di-n-butyl phthalate	**0.000021**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2022 03:02
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2022 03:02
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2022 03:02
Naphthalene	**0.000049**	J	**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 03:02
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 03:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 03:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2022 03:02
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 03:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2022 03:02
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 03:02
Surr: 2,4,6-Tribromophenol	*80.8*			*34-129*	*%REC*	*1*	*26-Jul-2022 03:02*
Surr: 2-Fluorobiphenyl	*72.9*			*40-125*	*%REC*	*1*	*26-Jul-2022 03:02*
Surr: 2-Fluorophenol	*66.8*			*20-120*	*%REC*	*1*	*26-Jul-2022 03:02*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*1*	*26-Jul-2022 03:02*
Surr: Nitrobenzene-d5	*71.7*			*41-120*	*%REC*	*1*	*26-Jul-2022 03:02*
Surr: Phenol-d6	*65.7*			*20-120*	*%REC*	*1*	*26-Jul-2022 03:02*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	28-Jul-2022 18:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW76C-20220714
Collection Date: 14-Jul-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 19:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:00
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:00
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*19-Jul-2022 19:00*
Surr: 4-Bromofluorobenzene	*98.2*			*77-113*	*%REC*	*1*	*19-Jul-2022 19:00*
Surr: Dibromofluoromethane	*95.7*			*77-123*	*%REC*	*1*	*19-Jul-2022 19:00*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*19-Jul-2022 19:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW76C-20220714
Collection Date: 14-Jul-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 03:21
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2022 03:21
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 03:21
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 03:21
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 03:21
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 03:21
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 03:21
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 03:21
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2022 03:21
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 03:21
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2022 03:21
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 03:21
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 03:21
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 03:21
Bis(2-ethylhexyl)phthalate	**0.00063**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 03:21
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 03:21
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 03:21
Di-n-butyl phthalate	**0.000030**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2022 03:21
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2022 03:21
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2022 03:21
Naphthalene	**0.000044**	J	**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 03:21
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 03:21
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 03:21
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2022 03:21
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 03:21
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2022 03:21
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 03:21
Surr: 2,4,6-Tribromophenol	*71.3*			*34-129*	*%REC*	*1*	*26-Jul-2022 03:21*
Surr: 2-Fluorobiphenyl	*57.8*			*40-125*	*%REC*	*1*	*26-Jul-2022 03:21*
Surr: 2-Fluorophenol	*58.4*			*20-120*	*%REC*	*1*	*26-Jul-2022 03:21*
Surr: 4-Terphenyl-d14	*100*			*40-135*	*%REC*	*1*	*26-Jul-2022 03:21*
Surr: Nitrobenzene-d5	*59.1*			*41-120*	*%REC*	*1*	*26-Jul-2022 03:21*
Surr: Phenol-d6	*55.6*			*20-120*	*%REC*	*1*	*26-Jul-2022 03:21*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.000479**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 18:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW97A-20220714
Collection Date: 14-Jul-2022 14:35

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 20:07
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 20:07
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 20:07
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 20:07
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 20:07
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 20:07
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 20:07
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*19-Jul-2022 20:07*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*19-Jul-2022 20:07*
Surr: Dibromofluoromethane	*97.4*			*77-123*	*%REC*	*1*	*19-Jul-2022 20:07*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*19-Jul-2022 20:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW97A-20220714
Collection Date: 14-Jul-2022 14:35

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 03:40
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2022 03:40
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 03:40
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 03:40
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 03:40
2-Methylnaphthalene	**0.00054**		**0.000019**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 03:40
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 03:40
Acenaphthene	**0.00014**		**0.000027**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 03:40
Anthracene	**0.000022**	J	**0.000014**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 03:40
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 03:40
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 03:40
Bis(2-ethylhexyl)phthalate	**0.00064**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 03:40
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 03:40
Dibenzofuran	**0.00018**		**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Di-n-butyl phthalate	**0.000028**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2022 03:40
Fluoranthene	**0.000047**	J	**0.000010**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Fluorene	**0.000046**	J	**0.000030**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Naphthalene	**0.0035**		**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 03:40
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 03:40
Pentachlorophenol	**0.000080**	J	**0.000079**	**0.00020**	**mg/L**	1	26-Jul-2022 03:40
Phenanthrene	**0.00011**		**0.000021**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2022 03:40
Pyrene	**0.000038**	J	**0.000019**	**0.00010**	**mg/L**	1	26-Jul-2022 03:40
Surr: 2,4,6-Tribromophenol	*83.6*			*34-129*	*%REC*	*1*	*26-Jul-2022 03:40*
Surr: 2-Fluorobiphenyl	*56.7*			*40-125*	*%REC*	*1*	*26-Jul-2022 03:40*
Surr: 2-Fluorophenol	*48.4*			*20-120*	*%REC*	*1*	*26-Jul-2022 03:40*
Surr: 4-Terphenyl-d14	*108*			*40-135*	*%REC*	*1*	*26-Jul-2022 03:40*
Surr: Nitrobenzene-d5	*55.9*			*41-120*	*%REC*	*1*	*26-Jul-2022 03:40*
Surr: Phenol-d6	*53.0*			*20-120*	*%REC*	*1*	*26-Jul-2022 03:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.000546**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 18:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works WorkOrder:HS22070837
Sample ID: WG-1620-MW98A-20220714 Lab ID:HS22070837-10
Collection Date: 14-Jul-2022 15:25 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 20:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 20:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 20:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 20:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 20:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 20:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 20:30
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*19-Jul-2022 20:30*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*19-Jul-2022 20:30*
Surr: Dibromofluoromethane	*97.8*			*77-123*	*%REC*	*1*	*19-Jul-2022 20:30*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*19-Jul-2022 20:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW98A-20220714
Collection Date: 14-Jul-2022 15:25

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 11:55
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	28-Jul-2022 11:55
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	28-Jul-2022 11:55
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	28-Jul-2022 11:55
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 11:55
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 11:55
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 11:55
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	28-Jul-2022 11:55
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	28-Jul-2022 11:55
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	28-Jul-2022 11:55
Anthracene	**0.000040**	J	**0.000014**	**0.00010**	**mg/L**	1	28-Jul-2022 11:55
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	28-Jul-2022 11:55
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 11:55
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	28-Jul-2022 11:55
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	28-Jul-2022 11:55
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 11:55
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 11:55
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 11:55
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	28-Jul-2022 11:55
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	28-Jul-2022 11:55
Naphthalene	**0.000098**	J	**0.000020**	**0.00010**	**mg/L**	1	28-Jul-2022 11:55
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	28-Jul-2022 11:55
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	28-Jul-2022 11:55
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	28-Jul-2022 11:55
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 11:55
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	28-Jul-2022 11:55
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 11:55
Surr: 2,4,6-Tribromophenol	*90.1*			*34-129*	*%REC*	*1*	*28-Jul-2022 11:55*
Surr: 2-Fluorobiphenyl	*79.4*			*40-125*	*%REC*	*1*	*28-Jul-2022 11:55*
Surr: 2-Fluorophenol	*72.6*			*20-120*	*%REC*	*1*	*28-Jul-2022 11:55*
Surr: 4-Terphenyl-d14	*108*			*40-135*	*%REC*	*1*	*28-Jul-2022 11:55*
Surr: Nitrobenzene-d5	*77.2*			*41-120*	*%REC*	*1*	*28-Jul-2022 11:55*
Surr: Phenol-d6	*78.7*			*20-120*	*%REC*	*1*	*28-Jul-2022 11:55*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.0110**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 18:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works
WorkOrder:HS22070837
Sample ID: WG-1620-MW98B-20220714
Lab ID:HS22070837-11
Collection Date: 14-Jul-2022 16:10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:22
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:22
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:22
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:22
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 19:22
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:22
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:22
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*19-Jul-2022 19:22*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*19-Jul-2022 19:22*
Surr: Dibromofluoromethane	*94.1*			*77-123*	*%REC*	*1*	*19-Jul-2022 19:22*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*19-Jul-2022 19:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW98B-20220714
Collection Date: 14-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 04:18
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2022 04:18
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 04:18
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 04:18
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 04:18
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 04:18
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 04:18
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 04:18
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2022 04:18
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 04:18
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2022 04:18
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 04:18
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 04:18
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 04:18
Bis(2-ethylhexyl)phthalate	**0.00059**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 04:18
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 04:18
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 04:18
Di-n-butyl phthalate	**0.000021**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2022 04:18
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2022 04:18
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2022 04:18
Naphthalene	**0.000039**	J	**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2022 04:18
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 04:18
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 04:18
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2022 04:18
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 04:18
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2022 04:18
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 04:18
Surr: 2,4,6-Tribromophenol	*70.4*			*34-129*	*%REC*	*1*	*26-Jul-2022 04:18*
Surr: 2-Fluorobiphenyl	*58.0*			*40-125*	*%REC*	*1*	*26-Jul-2022 04:18*
Surr: 2-Fluorophenol	*48.3*			*20-120*	*%REC*	*1*	*26-Jul-2022 04:18*
Surr: 4-Terphenyl-d14	*95.2*			*40-135*	*%REC*	*1*	*26-Jul-2022 04:18*
Surr: Nitrobenzene-d5	*56.2*			*41-120*	*%REC*	*1*	*26-Jul-2022 04:18*
Surr: Phenol-d6	*48.3*			*20-120*	*%REC*	*1*	*26-Jul-2022 04:18*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.00128**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 18:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW81B-20220714
Collection Date: 14-Jul-2022 17:00

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:45
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:45
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:45
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:45
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2022 19:45
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2022 19:45
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2022 19:45
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*19-Jul-2022 19:45*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*19-Jul-2022 19:45*
Surr: Dibromofluoromethane	*95.8*			*77-123*	*%REC*	*1*	*19-Jul-2022 19:45*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*19-Jul-2022 19:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW81B-20220714
Collection Date: 14-Jul-2022 17:00

ANALYTICAL REPORT
WorkOrder:HS22070837
Lab ID:HS22070837-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 20-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 04:37
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2022 04:37
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2022 04:37
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2022 04:37
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2022 04:37
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 04:37
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 04:37
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2022 04:37
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2022 04:37
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2022 04:37
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2022 04:37
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2022 04:37
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 04:37
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2022 04:37
Bis(2-ethylhexyl)phthalate	**0.00034**		**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2022 04:37
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 04:37
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 04:37
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2022 04:37
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2022 04:37
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2022 04:37
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2022 04:37
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2022 04:37
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2022 04:37
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2022 04:37
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2022 04:37
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2022 04:37
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2022 04:37
Surr: 2,4,6-Tribromophenol	*55.0*			*34-129*	*%REC*	*1*	*26-Jul-2022 04:37*
Surr: 2-Fluorobiphenyl	*60.7*			*40-125*	*%REC*	*1*	*26-Jul-2022 04:37*
Surr: 2-Fluorophenol	*48.0*			*20-120*	*%REC*	*1*	*26-Jul-2022 04:37*
Surr: 4-Terphenyl-d14	*99.3*			*40-135*	*%REC*	*1*	*26-Jul-2022 04:37*
Surr: Nitrobenzene-d5	*61.4*			*41-120*	*%REC*	*1*	*26-Jul-2022 04:37*
Surr: Phenol-d6	*53.7*			*20-120*	*%REC*	*1*	*26-Jul-2022 04:37*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2022		Analyst: YP
Arsenic	**0.000454**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2022 18:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

Batch ID: 181419 **Start Date:** 20 Jul 2022 10:00 **End Date:** 20 Jul 2022 14:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070837-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070837-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181705 **Start Date:** 27 Jul 2022 12:30 **End Date:** 27 Jul 2022 16:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070837-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-05		1 (mL)	10 (mL)	10	120 plastic HNO3
HS22070837-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070837-12		10 (mL)	10 (mL)	1	120 plastic HNO3

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181419 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22070837-02	WG-1620-MW04-20220714	14 Jul 2022 07:55		20 Jul 2022 11:04	26 Jul 2022 01:27	1
HS22070837-03	WG-1620-FB04-20220714	14 Jul 2022 07:05		20 Jul 2022 11:04	26 Jul 2022 01:46	1
HS22070837-04	WG-1620-MW78A-20220714	14 Jul 2022 09:00		20 Jul 2022 11:04	27 Jul 2022 12:57	10000
HS22070837-04	WG-1620-MW78A-20220714	14 Jul 2022 09:00		20 Jul 2022 11:04	26 Jul 2022 17:37	1000
HS22070837-04	WG-1620-MW78A-20220714	14 Jul 2022 09:00		20 Jul 2022 11:04	26 Jul 2022 17:18	100
HS22070837-05	WG-1620-MW85C-20220714	14 Jul 2022 09:50		20 Jul 2022 11:04	26 Jul 2022 15:23	1
HS22070837-06	WG-1620-MW77A-20220714	14 Jul 2022 11:40		20 Jul 2022 11:04	27 Jul 2022 12:38	1000
HS22070837-06	WG-1620-MW77A-20220714	14 Jul 2022 11:40		20 Jul 2022 11:04	26 Jul 2022 17:56	10
HS22070837-07	WG-1620-MW76B-20220714	14 Jul 2022 12:45		20 Jul 2022 11:04	26 Jul 2022 03:02	1
HS22070837-08	WG-1620-MW76C-20220714	14 Jul 2022 13:40		20 Jul 2022 11:04	26 Jul 2022 03:21	1
HS22070837-09	WG-1620-MW97A-20220714	14 Jul 2022 14:35		20 Jul 2022 11:04	26 Jul 2022 03:40	1
HS22070837-10	WG-1620-MW98A-20220714	14 Jul 2022 15:25		20 Jul 2022 11:04	28 Jul 2022 11:55	1
HS22070837-11	WG-1620-MW98B-20220714	14 Jul 2022 16:10		20 Jul 2022 11:04	26 Jul 2022 04:18	1
HS22070837-12	WG-1620-MW81B-20220714	14 Jul 2022 17:00		20 Jul 2022 11:04	26 Jul 2022 04:37	1
Batch ID: 181705 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22070837-02	WG-1620-MW04-20220714	14 Jul 2022 07:55		27 Jul 2022 12:30	28 Jul 2022 17:24	1
HS22070837-03	WG-1620-FB04-20220714	14 Jul 2022 07:05		27 Jul 2022 12:30	28 Jul 2022 17:58	1
HS22070837-04	WG-1620-MW78A-20220714	14 Jul 2022 09:00		27 Jul 2022 12:30	28 Jul 2022 15:01	1
HS22070837-05	WG-1620-MW85C-20220714	14 Jul 2022 09:50		27 Jul 2022 12:30	28 Jul 2022 18:00	5
HS22070837-06	WG-1620-MW77A-20220714	14 Jul 2022 11:40		27 Jul 2022 12:30	28 Jul 2022 18:02	1
HS22070837-07	WG-1620-MW76B-20220714	14 Jul 2022 12:45		27 Jul 2022 12:30	28 Jul 2022 18:04	1
HS22070837-08	WG-1620-MW76C-20220714	14 Jul 2022 13:40		27 Jul 2022 12:30	28 Jul 2022 18:06	1
HS22070837-09	WG-1620-MW97A-20220714	14 Jul 2022 14:35		27 Jul 2022 12:30	28 Jul 2022 18:08	1
HS22070837-10	WG-1620-MW98A-20220714	14 Jul 2022 15:25		27 Jul 2022 12:30	28 Jul 2022 18:10	1
HS22070837-11	WG-1620-MW98B-20220714	14 Jul 2022 16:10		27 Jul 2022 12:30	28 Jul 2022 18:12	1
HS22070837-12	WG-1620-MW81B-20220714	14 Jul 2022 17:00		27 Jul 2022 12:30	28 Jul 2022 18:14	1
Batch ID: R413251 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070837-01	WG-1620-TB03-20220714	14 Jul 2022 00:00			19 Jul 2022 17:07	1
HS22070837-02	WG-1620-MW04-20220714	14 Jul 2022 07:55			19 Jul 2022 17:52	1
HS22070837-03	WG-1620-FB04-20220714	14 Jul 2022 07:05			19 Jul 2022 17:30	1
HS22070837-04	WG-1620-MW78A-20220714	14 Jul 2022 09:00			19 Jul 2022 18:15	1
HS22070837-07	WG-1620-MW76B-20220714	14 Jul 2022 12:45			19 Jul 2022 18:37	1
HS22070837-08	WG-1620-MW76C-20220714	14 Jul 2022 13:40			19 Jul 2022 19:00	1
HS22070837-09	WG-1620-MW97A-20220714	14 Jul 2022 14:35			19 Jul 2022 20:07	1
HS22070837-10	WG-1620-MW98A-20220714	14 Jul 2022 15:25			19 Jul 2022 20:30	1
HS22070837-11	WG-1620-MW98B-20220714	14 Jul 2022 16:10			19 Jul 2022 19:22	1
HS22070837-12	WG-1620-MW81B-20220714	14 Jul 2022 17:00			19 Jul 2022 19:45	1

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R413346 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070837-04	WG-1620-MW78A-20220714	14 Jul 2022 09:00			20 Jul 2022 14:39	10
Batch ID: R413435 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070837-05	WG-1620-MW85C-20220714	14 Jul 2022 09:50			21 Jul 2022 17:37	50
HS22070837-06	WG-1620-MW77A-20220714	14 Jul 2022 11:40			21 Jul 2022 18:00	1

Revision: 1

WorkOrder: HS22070837
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	0.00125	0.000993	0.000400	0.00200

Revision:1

WorkOrder: HS22070837
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	0.000076	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000040	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000069	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000077	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000073	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000036	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000032	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.000043	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000042	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000040	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000039	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000029	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000070	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00017	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000035	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000042	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000043	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000087	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000093	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000041	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000076	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000046	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: HS22070837
InstrumentID: VOA11
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	0.00074	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00067	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.0010	0.00071	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00066	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.0014	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0019	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: 181705 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181705** Units: **mg/L** Analysis Date: **28-Jul-2022 14:57**
Client ID: Run ID: **ICPMS07_413921** SeqNo: **6771219** PrepDate: **27-Jul-2022** 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-181705** Units: **mg/L** Analysis Date: **28-Jul-2022 14:59**
Client ID: Run ID: **ICPMS07_413921** SeqNo: **6771220** PrepDate: **27-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05217	0.00200	0.05	0	104	80 - 120				

MS Sample ID: **HS22070837-04MS** Units: **mg/L** Analysis Date: **28-Jul-2022 15:05**
Client ID: **WG-1620-MW78A-20220714** Run ID: **ICPMS07_413921** SeqNo: **6771223** PrepDate: **27-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.07813	0.00200	0.05	0.02539	105	80 - 120				

MSD Sample ID: **HS22070837-04MSD** Units: **mg/L** Analysis Date: **28-Jul-2022 15:07**
Client ID: **WG-1620-MW78A-20220714** Run ID: **ICPMS07_413921** SeqNo: **6771224** PrepDate: **27-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.07926	0.00200	0.05	0.02539	108	80 - 120	0.07813	1.43	20	

PDS Sample ID: **HS22070837-04PDS** Units: **mg/L** Analysis Date: **28-Jul-2022 15:09**
Client ID: **WG-1620-MW78A-20220714** Run ID: **ICPMS07_413921** SeqNo: **6771225** PrepDate: **27-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1307	0.00200	0.1	0.02539	105	75 - 125				

SD Sample ID: **HS22070837-04SD** Units: **mg/L** Analysis Date: **28-Jul-2022 15:03**
Client ID: **WG-1620-MW78A-20220714** Run ID: **ICPMS07_413921** SeqNo: **6771222** PrepDate: **27-Jul-2022** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.0238	0.0100					0.02539	6.24	10	

The following samples were analyzed in this batch:

HS22070837-02	HS22070837-03	HS22070837-04	HS22070837-05
HS22070837-06	HS22070837-07	HS22070837-08	HS22070837-09
HS22070837-10	HS22070837-11	HS22070837-12	

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: 181419 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181419** Units: **ug/L** Analysis Date: **22-Jul-2022 09:09**
Client ID: Run ID: **SV-8_413552** SeqNo: **6760558** PrepDate: **20-Jul-2022** 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	0.20								
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	*4.952*	*0.20*	*5*	*0*	*99.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.973*	*0.20*	*5*	*0*	*99.5*	*40 - 125*				
Surr: 2-Fluorophenol	*4.472*	*0.20*	*5*	*0*	*89.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.7*	*0.20*	*5*	*0*	*114*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.94*	*0.20*	*5*	*0*	*98.8*	*41 - 120*				
Surr: Phenol-d6	*4.655*	*0.20*	*5*	*0*	*93.1*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: 181419 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181419** Units: **ug/L** Analysis Date: **22-Jul-2022 08:07**
Client ID: Run ID: **SV-8_413552** SeqNo: **6760557** PrepDate: **20-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.824	0.20	5	0	96.5	39 - 127				
2,4-Dimethylphenol	5.138	0.20	5	0	103	35 - 120				
2,4-Dinitrotoluene	5.629	0.20	5	0	113	50 - 122				
2,6-Dinitrotoluene	5.369	0.20	5	0	107	50 - 120				
2-Chloronaphthalene	5.423	0.20	5	0	108	50 - 120				
2-Methylnaphthalene	4.841	0.10	5	0	96.8	50 - 120				
4,6-Dinitro-2-methylphenol	5.928	0.20	5	0	119	25 - 121				
4-Nitrophenol	5.795	1.0	5	0	116	30 - 130				
Acenaphthene	5.302	0.10	5	0	106	45 - 120				
Acenaphthylene	5.103	0.10	5	0	102	47 - 120				
Anthracene	4.882	0.10	5	0	97.6	45 - 120				
Benz(a)anthracene	5.023	0.10	5	0	100	40 - 120				
Benzo(a)pyrene	5.733	0.10	5	0	115	45 - 120				
Bis(2-chloroethoxy)methane	4.981	0.20	5	0	99.6	45 - 120				
Bis(2-ethylhexyl)phthalate	4.718	0.20	5	0	94.4	40 - 139				
Chrysene	4.846	0.10	5	0	96.9	43 - 120				
Dibenzofuran	5.213	0.10	5	0	104	50 - 120				
Di-n-butyl phthalate	5.174	0.20	5	0	103	45 - 123				
Fluoranthene	5.302	0.10	5	0	106	45 - 125				
Fluorene	5.346	0.10	5	0	107	49 - 120				
Naphthalene	4.665	0.10	5	0	93.3	45 - 120				
Nitrobenzene	5.08	0.20	5	0	102	44 - 120				
N-Nitrosodiphenylamine	5.042	0.20	5	0	101	40 - 125				
Pentachlorophenol	5.744	0.20	5	0	115	19 - 121				
Phenanthrene	5.027	0.10	5	0	101	45 - 121				
Phenol	4.875	0.20	5	0	97.5	20 - 124				
Pyrene	4.719	0.10	5	0	94.4	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.491*	*0.20*	*5*	*0*	*110*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*5.261*	*0.20*	*5*	*0*	*105*	*40 - 125*				
Surr: 2-Fluorophenol	*4.692*	*0.20*	*5*	*0*	*93.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.118*	*0.20*	*5*	*0*	*102*	*40 - 135*				
Surr: Nitrobenzene-d5	*5.096*	*0.20*	*5*	*0*	*102*	*41 - 120*				
Surr: Phenol-d6	*4.635*	*0.20*	*5*	*0*	*92.7*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: 181419 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22070991-03MS** Units: **ug/L** Analysis Date: **22-Jul-2022 11:26**
Client ID: Run ID: **SV-8_413552** SeqNo: **6760560** PrepDate: **20-Jul-2022** DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Diphenylhydrazine	7.953	4.0	5	0	159	39 - 127			S
2,4-Dimethylphenol	6.022	4.0	5	0	120	35 - 120			S
2,4-Dinitrotoluene	6.017	4.0	5	0	120	50 - 122			
2,6-Dinitrotoluene	8.115	4.0	5	0	162	50 - 120			S
2-Chloronaphthalene	5.704	4.0	5	0	114	50 - 120			
2-Methylnaphthalene	7.342	2.0	5	1.255	122	50 - 120			S
4,6-Dinitro-2-methylphenol	7.87	4.0	5	0	157	25 - 121			S
4-Nitrophenol	< 0.94	20	5	0	0	30 - 130			S
Acenaphthene	7.507	2.0	5	0.9496	131	45 - 120			S
Acenaphthylene	6.662	2.0	5	0	133	47 - 120			S
Anthracene	7.153	2.0	5	0.3874	135	45 - 120			S
Benz(a)anthracene	7.298	2.0	5	0	146	40 - 120			S
Benzo(a)pyrene	7.673	2.0	5	0	153	45 - 120			S
Bis(2-chloroethoxy)methane	6.254	4.0	5	0	125	45 - 120			S
Bis(2-ethylhexyl)phthalate	7.213	4.0	5	0	144	40 - 139			S
Chrysene	7.026	2.0	5	0	141	43 - 120			S
Dibenzofuran	6.352	2.0	5	0	127	50 - 120			S
Di-n-butyl phthalate	7.233	4.0	5	0	145	45 - 123			S
Fluoranthene	7.055	2.0	5	0	141	45 - 125			S
Fluorene	8.044	2.0	5	1.235	136	49 - 120			S
Naphthalene	5.666	2.0	5	0.3339	107	45 - 120			
Nitrobenzene	7.487	4.0	5	0	150	44 - 120			S
N-Nitrosodiphenylamine	7.141	4.0	5	0	143	40 - 125			S
Pentachlorophenol	7.558	4.0	5	0	151	19 - 121			S
Phenanthrene	7.894	2.0	5	0.932	139	45 - 121			S
Phenol	6.582	4.0	5	0	132	20 - 124			S
Pyrene	6.972	2.0	5	0	139	40 - 130			S
Surr: 2,4,6-Tribromophenol	*6.208*	*4.0*	*5*	*0*	*124*	*34 - 129*			
Surr: 2-Fluorobiphenyl	*6.08*	*4.0*	*5*	*0*	*122*	*40 - 125*			
Surr: 2-Fluorophenol	*5.264*	*4.0*	*5*	*0*	*105*	*20 - 120*			
Surr: 4-Terphenyl-d14	*7.165*	*4.0*	*5*	*0*	*143*	*40 - 135*			S
Surr: Nitrobenzene-d5	*4.7*	*4.0*	*5*	*0*	*94.0*	*41 - 120*			
Surr: Phenol-d6	*5.324*	*4.0*	*5*	*0*	*106*	*20 - 120*			

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: 181419 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22070991-03MSD** Units: **ug/L** Analysis Date: **22-Jul-2022 11:45**
Client ID: Run ID: **SV-8_413552** SeqNo: **6760561** PrepDate: **20-Jul-2022** DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	8.033	4.0	5	0	161	39 - 127	7.953	1	20	S
2,4-Dimethylphenol	6.048	4.0	5	0	121	35 - 120	6.022	0.435	20	S
2,4-Dinitrotoluene	5.857	4.0	5	0	117	50 - 122	6.017	2.7	20	
2,6-Dinitrotoluene	8.151	4.0	5	0	163	50 - 120	8.115	0.434	20	S
2-Chloronaphthalene	5.907	4.0	5	0	118	50 - 120	5.704	3.5	20	
2-Methylnaphthalene	7.222	2.0	5	1.255	119	50 - 120	7.342	1.65	20	
4,6-Dinitro-2-methylphenol	6.001	4.0	5	0	120	25 - 121	7.87	26.9	30	
4-Nitrophenol	< 0.94	20	5	0	0	30 - 130	0	0	20	S
Acenaphthene	7.946	2.0	5	0.9496	140	45 - 120	7.507	5.67	20	S
Acenaphthylene	6.308	2.0	5	0	126	47 - 120	6.662	5.46	20	S
Anthracene	7.444	2.0	5	0.3874	141	45 - 120	7.153	3.98	20	S
Benz(a)anthracene	7.531	2.0	5	0	151	40 - 120	7.298	3.15	20	S
Benzo(a)pyrene	7.465	2.0	5	0	149	45 - 120	7.673	2.75	20	S
Bis(2-chloroethoxy)methane	6.295	4.0	5	0	126	45 - 120	6.254	0.646	20	S
Bis(2-ethylhexyl)phthalate	7.182	4.0	5	0	144	40 - 139	7.213	0.419	20	S
Chrysene	7.04	2.0	5	0	141	43 - 120	7.026	0.197	20	S
Dibenzofuran	6.246	2.0	5	0	125	50 - 120	6.352	1.7	20	S
Di-n-butyl phthalate	7.204	4.0	5	0	144	45 - 123	7.233	0.398	20	S
Fluoranthene	7.451	2.0	5	0	149	45 - 125	7.055	5.46	20	S
Fluorene	8.324	2.0	5	1.235	142	49 - 120	8.044	3.42	20	S
Naphthalene	5.808	2.0	5	0.3339	109	45 - 120	5.666	2.47	20	
Nitrobenzene	7.924	4.0	5	0	158	44 - 120	7.487	5.67	20	S
N-Nitrosodiphenylamine	7.256	4.0	5	0	145	40 - 125	7.141	1.59	20	S
Pentachlorophenol	7.553	4.0	5	0	151	19 - 121	7.558	0.0656	20	S
Phenanthrene	8.13	2.0	5	0.932	144	45 - 121	7.894	2.95	20	S
Phenol	5.43	4.0	5	0	109	20 - 124	6.582	19.2	20	
Pyrene	7.418	2.0	5	0	148	40 - 130	6.972	6.21	20	S
Surr: 2,4,6-Tribromophenol	*6.108*	*4.0*	*5*	*0*	*122*	*34 - 129*	*6.208*	*1.62*	*20*	
Surr: 2-Fluorobiphenyl	*6.126*	*4.0*	*5*	*0*	*123*	*40 - 125*	*6.08*	*0.755*	*20*	
Surr: 2-Fluorophenol	*5.442*	*4.0*	*5*	*0*	*109*	*20 - 120*	*5.264*	*3.33*	*20*	
Surr: 4-Terphenyl-d14	*6.755*	*4.0*	*5*	*0*	*135*	*40 - 135*	*7.165*	*5.89*	*20*	S
Surr: Nitrobenzene-d5	*4.357*	*4.0*	*5*	*0*	*87.1*	*41 - 120*	*4.7*	*7.58*	*20*	
Surr: Phenol-d6	*5.539*	*4.0*	*5*	*0*	*111*	*20 - 120*	*5.324*	*3.97*	*20*	

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: 181419 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22070837-02	HS22070837-03	HS22070837-04	HS22070837-05
HS22070837-06	HS22070837-07	HS22070837-08	HS22070837-09
HS22070837-10	HS22070837-11	HS22070837-12	

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: R413251 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220719** Units: **ug/L** Analysis Date: **19-Jul-2022 12:15**
Client ID: Run ID: **VOA11_413251** SeqNo: **6753946** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*51.72*	*1.0*	*50*	*0*	*103*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.26*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.01*	*1.0*	*50*	*0*	*96.0*	*73 - 126*				
Surr: Toluene-d8	*53.01*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-220719** Units: **ug/L** Analysis Date: **19-Jul-2022 11:30**
Client ID: Run ID: **VOA11_413251** SeqNo: **6753945** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.72	1.0	20	0	98.6	70 - 124				
Benzene	16.85	1.0	20	0	84.3	74 - 120				
Chlorobenzene	18.13	1.0	20	0	90.7	76 - 113				
Ethylbenzene	17.06	1.0	20	0	85.3	77 - 117				
Methylene chloride	19.31	2.0	20	0	96.6	70 - 127				
Toluene	17.28	1.0	20	0	86.4	77 - 118				
Vinyl chloride	19.58	1.0	20	0	97.9	70 - 130				
Xylenes, Total	53.54	1.0	60	0	89.2	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.18*	*1.0*	*50*	*0*	*106*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.15*	*1.0*	*50*	*0*	*104*	*77 - 113*				
Surr: Dibromofluoromethane	*51.4*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*52.71*	*1.0*	*50*	*0*	*105*	*81 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: R413251 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070800-04MS** Units: **ug/L** Analysis Date: **19-Jul-2022 13:00**
Client ID: Run ID: **VOA11_413251** SeqNo: **6753948** PrepDate: DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	1885	100	2000	0	94.3	70 - 127				
Benzene	1702	100	2000	0	85.1	70 - 127				
Chlorobenzene	1776	100	2000	0	88.8	70 - 114				
Ethylbenzene	1697	100	2000	0	84.8	70 - 124				
Methylene chloride	1792	200	2000	0	89.6	70 - 128				
Toluene	1693	100	2000	0	84.7	70 - 123				
Vinyl chloride	2104	100	2000	0	105	70 - 130				
Xylenes, Total	5380	100	6000	0	89.7	70 - 130				
Surr: 1,2-Dichloroethane-d4	*5090*	*100*	*5000*	*0*	*102*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*5182*	*100*	*5000*	*0*	*104*	*77 - 113*				
Surr: Dibromofluoromethane	*4938*	*100*	*5000*	*0*	*98.8*	*77 - 123*				
Surr: Toluene-d8	*5038*	*100*	*5000*	*0*	*101*	*82 - 127*				

MSD Sample ID: **HS22070800-04MSD** Units: **ug/L** Analysis Date: **19-Jul-2022 13:23**
Client ID: Run ID: **VOA11_413251** SeqNo: **6753949** PrepDate: DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	2041	100	2000	0	102	70 - 127	1885	7.95	20	
Benzene	1908	100	2000	0	95.4	70 - 127	1702	11.4	20	
Chlorobenzene	1907	100	2000	0	95.4	70 - 114	1776	7.14	20	
Ethylbenzene	1870	100	2000	0	93.5	70 - 124	1697	9.7	20	
Methylene chloride	2040	200	2000	0	102	70 - 128	1792	12.9	20	
Toluene	1865	100	2000	0	93.3	70 - 123	1693	9.67	20	
Vinyl chloride	1995	100	2000	0	99.7	70 - 130	2104	5.33	20	
Xylenes, Total	5746	100	6000	0	95.8	70 - 130	5380	6.58	20	
Surr: 1,2-Dichloroethane-d4	*5190*	*100*	*5000*	*0*	*104*	*70 - 126*	*5090*	*1.94*	*20*	
Surr: 4-Bromofluorobenzene	*5151*	*100*	*5000*	*0*	*103*	*77 - 113*	*5182*	*0.596*	*20*	
Surr: Dibromofluoromethane	*5070*	*100*	*5000*	*0*	*101*	*77 - 123*	*4938*	*2.62*	*20*	
Surr: Toluene-d8	*4971*	*100*	*5000*	*0*	*99.4*	*82 - 127*	*5038*	*1.33*	*20*	

The following samples were analyzed in this batch:

HS22070837-01	HS22070837-02	HS22070837-03	HS22070837-04
HS22070837-07	HS22070837-08	HS22070837-09	HS22070837-10
HS22070837-11	HS22070837-12		

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: R413346 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220720** Units: **ug/L** Analysis Date: **20-Jul-2022 10:54**
Client ID: Run ID: **VOA11_413346** SeqNo: **6756023** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.20	1.0								
Toluene	< 0.20	1.0								
Surr: 1,2-Dichloroethane-d4	*52.65*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.2*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*47.35*	*1.0*	*50*	*0*	*94.7*	*73 - 126*				
Surr: Toluene-d8	*51.49*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-220720** Units: **ug/L** Analysis Date: **20-Jul-2022 10:09**
Client ID: Run ID: **VOA11_413346** SeqNo: **6756022** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.08	1.0	20	0	85.4	74 - 120				
Toluene	16.47	1.0	20	0	82.3	77 - 118				
Surr: 1,2-Dichloroethane-d4	*51.91*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52*	*1.0*	*50*	*0*	*104*	*77 - 113*				
Surr: Dibromofluoromethane	*50.61*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*49.14*	*1.0*	*50*	*0*	*98.3*	*81 - 120*				

MS Sample ID: **HS22070800-04MS** Units: **ug/L** Analysis Date: **20-Jul-2022 11:39**
Client ID: Run ID: **VOA11_413346** SeqNo: **6756025** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.6	1.0	20	0	98.0	70 - 127				
Toluene	18.33	1.0	20	0	91.6	70 - 123				
Surr: 1,2-Dichloroethane-d4	*52.46*	*1.0*	*50*	*0*	*105*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*51.49*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*51.44*	*1.0*	*50*	*0*	*103*	*77 - 123*				
Surr: Toluene-d8	*48.8*	*1.0*	*50*	*0*	*97.6*	*82 - 127*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: R413346 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22070800-04MSD** Units: **ug/L** Analysis Date: **20-Jul-2022 12:01**
Client ID: Run ID: **VOA11_413346** SeqNo: **6756026** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Benzene	18.73	1.0	20	0	93.6	70 - 127	19.6	4.55	20	
Toluene	19.43	1.0	20	0	97.1	70 - 123	18.33	5.8	20	
Surr: 1,2-Dichloroethane-d4	*51.81*	*1.0*	*50*	*0*	*104*	*70 - 126*	*52.46*	*1.26*	*20*	
Surr: 4-Bromofluorobenzene	*50.91*	*1.0*	*50*	*0*	*102*	*77 - 113*	*51.49*	*1.13*	*20*	
Surr: Dibromofluoromethane	*51.3*	*1.0*	*50*	*0*	*103*	*77 - 123*	*51.44*	*0.282*	*20*	
Surr: Toluene-d8	*52.66*	*1.0*	*50*	*0*	*105*	*82 - 127*	*48.8*	*7.61*	*20*	

The following samples were analyzed in this batch: HS22070837-04

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: R413435 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220721** Units: **ug/L** Analysis Date: **21-Jul-2022 11:18**
Client ID: Run ID: **VOA11_413435** SeqNo: **6757977** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*55.59*	*1.0*	*50*	*0*	*111*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.3*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.68*	*1.0*	*50*	*0*	*97.4*	*73 - 126*				
Surr: Toluene-d8	*52.9*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-220721** Units: **ug/L** Analysis Date: **21-Jul-2022 10:33**
Client ID: Run ID: **VOA11_413435** SeqNo: **6757976** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.7	1.0	20	0	93.5	70 - 124				
Benzene	16.68	1.0	20	0	83.4	74 - 120				
Chlorobenzene	17.52	1.0	20	0	87.6	76 - 113				
Ethylbenzene	16.42	1.0	20	0	82.1	77 - 117				
Methylene chloride	17.85	2.0	20	0	89.3	70 - 127				
Toluene	16.66	1.0	20	0	83.3	77 - 118				
Xylenes, Total	52.43	1.0	60	0	87.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.46*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.84*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.72*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*50.91*	*1.0*	*50*	*0*	*102*	*81 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070837

QC BATCH REPORT

Batch ID: R413435 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070991-03MS** Units: **ug/L** Analysis Date: **21-Jul-2022 12:03**
Client ID: Run ID: **VOA11_413435** SeqNo: **6758185** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	25.01	1.0	20	0	125	70 - 127				
Benzene	23.1	1.0	20	0.7945	112	70 - 127				
Chlorobenzene	22.29	1.0	20	0	111	70 - 114				
Ethylbenzene	22.29	1.0	20	0	111	70 - 124				
Methylene chloride	23.45	2.0	20	0	117	70 - 128				
Toluene	22.57	1.0	20	0	113	70 - 123				
Xylenes, Total	70.17	1.0	60	1.448	115	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.54*	*1.0*	*50*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*54.72*	*1.0*	*50*	*0*	*109*	*77 - 113*				
Surr: Dibromofluoromethane	*52.5*	*1.0*	*50*	*0*	*105*	*77 - 123*				
Surr: Toluene-d8	*51.8*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS22070991-03MSD** Units: **ug/L** Analysis Date: **21-Jul-2022 12:25**
Client ID: Run ID: **VOA11_413435** SeqNo: **6758186** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	24.52	1.0	20	0	123	70 - 127	25.01	1.97	20	
Benzene	23.05	1.0	20	0.7945	111	70 - 127	23.1	0.209	20	
Chlorobenzene	22.54	1.0	20	0	113	70 - 114	22.29	1.12	20	
Ethylbenzene	22.04	1.0	20	0	110	70 - 124	22.29	1.1	20	
Methylene chloride	24.01	2.0	20	0	120	70 - 128	23.45	2.37	20	
Toluene	22.51	1.0	20	0	113	70 - 123	22.57	0.232	20	
Xylenes, Total	70.67	1.0	60	1.448	115	70 - 130	70.17	0.707	20	
Surr: 1,2-Dichloroethane-d4	*57*	*1.0*	*50*	*0*	*114*	*70 - 126*	*56.54*	*0.809*	*20*	
Surr: 4-Bromofluorobenzene	*52.72*	*1.0*	*50*	*0*	*105*	*77 - 113*	*54.72*	*3.72*	*20*	
Surr: Dibromofluoromethane	*52.44*	*1.0*	*50*	*0*	*105*	*77 - 123*	*52.5*	*0.109*	*20*	
Surr: Toluene-d8	*52.1*	*1.0*	*50*	*0*	*104*	*82 - 127*	*51.8*	*0.58*	*20*	

The following samples were analyzed in this batch: HS22070837-05 HS22070837-06

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22070837**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

Sample Receipt Checklist

Work Order ID: HS22070837 **Date/Time Received:** **18-Jul-2022 11:40**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By:	/S/ Nilesh D. Ranchod	18-Jul-2022 12:43	**Reviewed by:**	/S/ Dane J. Wacasey	29-Jul-2022 11:30
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** 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:275055/275050
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):	3.9C/4.1C, 4.3C/4.8C, 4.6C/5.1C UC/C	IR #31
Cooler(s)/Kit(s):	46891/49396/46713	
Date/Time sample(s) sent to storage:	07/18/2022 19:00	

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:	Si Ma		

Login Notes: Time differs: WG-1620-MW-85C COC= 0950 vial Labels=09:55, WG-1620-MW85C-20220714, Metal pH>2 (9).Preserved with 0.5mL HNO3 07/18/2022 @ 02:50pm Lot # 318173210 By Si Ma. After preserved pH (6)

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 1 of 2

COC ID: 275055

HS22070837

WSP Golder

Houston TX-Wood Preserving Works

Customer Information		Project Information	
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev0 SR 92688
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

ALS Project Manager:

A: 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B: 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C: 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D: ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
E:
F:
G:
H:
I:
J:

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-TB03-20220714	7-14-22		Water	1	2	X										
2	WG-1620-MW04-20220714		0755	W		6	X		X	X							
3	WG-1620-FB04-20220714		0705	W		6	X		X	X							
4	WG-1620-MW78A-20220714		0900	W		6	X		X	X							
5	WG-1620-MW85C-20220714		0950	W		6	X		X	X							
6	WG-1620-MW77A-20220714		1140	W		6	X		X	X							
7	WG-1620-MW76B-20220714		1245	W		6	X		X	X							
8	WG-1620-MW76C-20220714		1340	W		6	X		X	X							
9	WG-1620-MW97A-20220714		1435	W		6	X		X	X							
10	WG-1620-MW98A-20220714		1525	W		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAXTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Date: 7-18-22 Time: 1140 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 7/18/22 11:40

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
46841	3.9°
49316	4.3°
46713	4.6°

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.

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Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 275050

HS22070837

WSP Golder

Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information	
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev0 SR 92688
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

A: 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B: 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C: 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D: ICP_TW (5636002 Metals - As) [120ml P HNO3]
E:
F:
G:
H:
I:
J:

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WQ-1620-TB~~			~~Water~~	1	2		X									
2	WG-1620-MW98B-20220714	7-14-22	1610	W		6	X		X	X							
3	WG-1620-MW81B-20220714	7-14-22	1700	W		6	X		X	X							
4																	
5																	
6																	
7																	
8																	
9																	
0																	

Sampler(s) Please Print & Sign: JOHN BRAYDICH

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hou [ ] Other

Results Due Date:

Relinquished by: Date: 7-18-22 Time: 1140 Received by:

Relinquished by: Date: Time: Received by (Laboratory):

Logged by (Laboratory): Date: Time: Checked by (Laboratory): 7/18/22 11:40

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
[ ] Level II Std QC
[ ] Level III Std QC/Raw Date
[ ] 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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Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 02, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22070995**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 25 sample(s) on Jul 20, 2022 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
Dane J. Wacasey

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22070995**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22070995**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/02/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070995					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181453,181535,181796,181799,R413435,R413503,R413591					
#[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 effects 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: 08/02/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22070995					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181453,181535,181796,181799,R413435,R413503,R413591					
#[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: 08/02/2022
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS22070995
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 181453,181535,181796,181799,R413435,R413503,R413591

ER#[5]	Description
1	Semivolatile Organics Method SW8270, samples WG-1620-MW51C-20220717, WG-1620-MW51A-20220717, surrogate 4-Terphenyl-d14 recovered above the control limit. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes. Semivolatile Organics Method SW8270, sample WG-1620-MW79A-20220718, WG-1620-MW74B-20220718, WG-1620-MW49B-20220718, WG-1620-MW49A-20220718, the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 181535, Semivolatile Organics Method SW8270, LCS/LCSD were analyzed and reported in lieu of an MS/MSD for this batch.
3	Batch 181453, Semivolatile Organics Method SW8270, sample WG-1620-MW50A-20220717, MS and or MSD recovered outside the control limit for some compounds due to suspect matrix effect Batch R413435, Volatile Organics Method SW8260, sample HS22070991-03, MS and MSD were performed on unrelated sample Batch R413503, Volatile Organics Method SW8260, sample WG-1620-MW50A-20220717, MS and MSD recovered outside the control limit for Chlorobenzene due to suspect matrix effect
4	Batch 181453, Semivolatile Organics Method SW8270, sample WG-1620-MW50A-20220717, MS/MSD RPD recovered above the RPD limit due to suspect matrix effect

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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22070995

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22070995-01	WG-1620-TB04-20220719	Water		17-Jul-2022 00:00	20-Jul-2022 11:25	☐
HS22070995-02	WG-1620-FB05-20220717	Water		17-Jul-2022 12:15	20-Jul-2022 11:25	☐
HS22070995-03	WG-1620-MW51C-20220717	Water		17-Jul-2022 13:20	20-Jul-2022 11:25	☐
HS22070995-04	WG-1620-MW51A-20220717	Water		17-Jul-2022 14:10	20-Jul-2022 11:25	☐
HS22070995-05	WG-1620-MW50B-20220717	Water		17-Jul-2022 15:05	20-Jul-2022 11:25	☐
HS22070995-06	WG-1620-MW50A-20220717	Water		17-Jul-2022 16:05	20-Jul-2022 11:25	☐
HS22070995-07	WG-1620-MW80B-20220717	Water		17-Jul-2022 17:15	20-Jul-2022 11:25	☐
HS22070995-08	WG-1620-FB06-20220718	Water		18-Jul-2022 07:00	20-Jul-2022 11:25	☐
HS22070995-09	WG-1620-MW86C-2022071	Water		18-Jul-2022 07:55	20-Jul-2022 11:25	☐
HS22070995-10	WG-1620-MW79A-20220718	Water		18-Jul-2022 08:55	20-Jul-2022 11:25	☐
HS22070995-11	WG-1620-MW74B-20220718	Water		18-Jul-2022 09:50	20-Jul-2022 11:25	☐
HS22070995-12	WG-1620-MW60AR-20220718	Water		18-Jul-2022 11:00	20-Jul-2022 11:25	☐
HS22070995-13	WG-1620-MW60B-20220718	Water		18-Jul-2022 11:50	20-Jul-2022 11:25	☐
HS22070995-14	WG-1620-MW59B-20220718	Water		18-Jul-2022 12:50	20-Jul-2022 11:25	☐
HS22070995-15	WG-1620-MW59A-20220718	Water		18-Jul-2022 13:45	20-Jul-2022 11:25	☐
HS22070995-16	WG-1620-MW48C-20220718	Water		18-Jul-2022 14:55	20-Jul-2022 11:25	☐
HS22070995-17	WG-1620-MW49B-20220718	Water		18-Jul-2022 16:05	20-Jul-2022 11:25	☐
HS22070995-18	WG-1620-MW49A-20220718	Water		18-Jul-2022 17:10	20-Jul-2022 11:25	☐
HS22070995-19	WG-1620-MW69A-20220719	Water		19-Jul-2022 07:55	20-Jul-2022 11:25	☐
HS22070995-20	WG-1620-MW21C-20220719	Water		19-Jul-2022 09:15	20-Jul-2022 11:25	☐
HS22070995-21	WG-1620-FD01-20220719	Water		19-Jul-2022 09:15	20-Jul-2022 11:25	☐
HS22070995-22	WG-1620-MW27C-20220719	Water		19-Jul-2022 10:25	20-Jul-2022 11:25	☐
HS22070995-23	WG-1620-MW27A-20220719	Water		19-Jul-2022 11:05	20-Jul-2022 11:25	☐
HS22070995-24	WG-1620-MW99C-20220719	Water		19-Jul-2022 12:20	20-Jul-2022 11:25	☐
HS22070995-25	WG-1620-MW54B-20220719	Water		19-Jul-2022 13:10	20-Jul-2022 11:25	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB04-20220719
Collection Date: 17-Jul-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 13:55
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 13:55
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 13:55
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 13:55
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 13:55
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 13:55
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 13:55
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*21-Jul-2022 13:55*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*21-Jul-2022 13:55*
Surr: Dibromofluoromethane	*96.3*			*77-123*	*%REC*	*1*	*21-Jul-2022 13:55*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*21-Jul-2022 13:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB05-20220717
Collection Date: 17-Jul-2022 12:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-02
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	21-Jul-2022 14:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 14:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 14:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 14:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 14:18
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 14:18
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 14:18
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*21-Jul-2022 14:18*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*21-Jul-2022 14:18*
Surr: Dibromofluoromethane	*97.7*			*77-123*	*%REC*	*1*	*21-Jul-2022 14:18*
Surr: Toluene-d8	*108*			*82-127*	*%REC*	*1*	*21-Jul-2022 14:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB05-20220717
Collection Date: 17-Jul-2022 12:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 14:07
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 14:07
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 14:07
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 14:07
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 14:07
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 14:07
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 14:07
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 14:07
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 14:07
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 14:07
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 14:07
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 14:07
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 14:07
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 14:07
Bis(2-ethylhexyl)phthalate	**0.00012**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 14:07
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 14:07
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 14:07
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 14:07
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 14:07
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 14:07
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 14:07
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 14:07
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 14:07
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 14:07
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 14:07
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 14:07
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 14:07
Surr: 2,4,6-Tribromophenol	*91.7*			*34-129*	*%REC*	*1*	*01-Aug-2022 14:07*
Surr: 2-Fluorobiphenyl	*99.5*			*40-125*	*%REC*	*1*	*01-Aug-2022 14:07*
Surr: 2-Fluorophenol	*64.0*			*20-120*	*%REC*	*1*	*01-Aug-2022 14:07*
Surr: 4-Terphenyl-d14	*119*			*40-135*	*%REC*	*1*	*01-Aug-2022 14:07*
Surr: Nitrobenzene-d5	*90.2*			*41-120*	*%REC*	*1*	*01-Aug-2022 14:07*
Surr: Phenol-d6	*71.6*			*20-120*	*%REC*	*1*	*01-Aug-2022 14:07*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	29-Jul-2022 16:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51C-20220717
Collection Date: 17-Jul-2022 13:20

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-03
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	21-Jul-2022 18:22
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 18:22
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 18:22
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 18:22
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 18:22
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 18:22
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 18:22
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*21-Jul-2022 18:22*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*1*	*21-Jul-2022 18:22*
Surr: Dibromofluoromethane	*96.2*			*77-123*	*%REC*	*1*	*21-Jul-2022 18:22*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*21-Jul-2022 18:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51C-20220717
Collection Date: 17-Jul-2022 13:20

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 14:26
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 14:26
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 14:26
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 14:26
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 14:26
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 14:26
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 14:26
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 14:26
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 14:26
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 14:26
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 14:26
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 14:26
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 14:26
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 14:26
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2022 14:26
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 14:26
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 14:26
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 14:26
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 14:26
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 14:26
Naphthalene	**0.000061**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 14:26
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 14:26
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 14:26
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 14:26
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 14:26
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 14:26
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 14:26
Surr: 2,4,6-Tribromophenol	*126*			*34-129*	*%REC*	*1*	*01-Aug-2022 14:26*
Surr: 2-Fluorobiphenyl	*81.3*			*40-125*	*%REC*	*1*	*01-Aug-2022 14:26*
Surr: 2-Fluorophenol	*71.7*			*20-120*	*%REC*	*1*	*01-Aug-2022 14:26*
Surr: 4-Terphenyl-d14	*157*	*S*		*40-135*	*%REC*	*1*	*01-Aug-2022 14:26*
Surr: Nitrobenzene-d5	*80.3*			*41-120*	*%REC*	*1*	*01-Aug-2022 14:26*
Surr: Phenol-d6	*76.7*			*20-120*	*%REC*	*1*	*01-Aug-2022 14:26*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	29-Jul-2022 16:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51A-20220717
Collection Date: 17-Jul-2022 14:10

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-04
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	21-Jul-2022 18:45
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 18:45
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 18:45
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 18:45
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 18:45
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 18:45
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 18:45
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*21-Jul-2022 18:45*
Surr: 4-Bromofluorobenzene	*97.2*			*77-113*	*%REC*	*1*	*21-Jul-2022 18:45*
Surr: Dibromofluoromethane	*96.3*			*77-123*	*%REC*	*1*	*21-Jul-2022 18:45*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*21-Jul-2022 18:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51A-20220717
Collection Date: 17-Jul-2022 14:10

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:01
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 16:01
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 16:01
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 16:01
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:01
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:01
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:01
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 16:01
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 16:01
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 16:01
Anthracene	**0.000038**	J	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2022 16:01
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 16:01
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:01
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 16:01
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2022 16:01
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:01
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:01
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:01
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 16:01
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 16:01
Naphthalene	**0.000065**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 16:01
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 16:01
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 16:01
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 16:01
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:01
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 16:01
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:01
Surr: 2,4,6-Tribromophenol	*118*			*34-129*	*%REC*	*1*	*01-Aug-2022 16:01*
Surr: 2-Fluorobiphenyl	*79.2*			*40-125*	*%REC*	*1*	*01-Aug-2022 16:01*
Surr: 2-Fluorophenol	*67.0*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:01*
Surr: 4-Terphenyl-d14	*144*	*S*		*40-135*	*%REC*	*1*	*01-Aug-2022 16:01*
Surr: Nitrobenzene-d5	*74.5*			*41-120*	*%REC*	*1*	*01-Aug-2022 16:01*
Surr: Phenol-d6	*70.5*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:01*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00516**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW50B-20220717
Collection Date: 17-Jul-2022 15:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-05
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	21-Jul-2022 19:07
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 19:07
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 19:07
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 19:07
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 19:07
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 19:07
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 19:07
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*21-Jul-2022 19:07*
Surr: 4-Bromofluorobenzene	*99.3*			*77-113*	*%REC*	*1*	*21-Jul-2022 19:07*
Surr: Dibromofluoromethane	*97.4*			*77-123*	*%REC*	*1*	*21-Jul-2022 19:07*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*21-Jul-2022 19:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW50B-20220717
Collection Date: 17-Jul-2022 15:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 16:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 16:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 16:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:20
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 16:20
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 16:20
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 16:20
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 16:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 16:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 16:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2022 16:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:20
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:20
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 16:20
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 16:20
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 16:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 16:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 16:20
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 16:20
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:20
Surr: 2,4,6-Tribromophenol	*89.6*			*34-129*	*%REC*	*1*	*01-Aug-2022 16:20*
Surr: 2-Fluorobiphenyl	*67.6*			*40-125*	*%REC*	*1*	*01-Aug-2022 16:20*
Surr: 2-Fluorophenol	*54.8*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:20*
Surr: 4-Terphenyl-d14	*134*			*40-135*	*%REC*	*1*	*01-Aug-2022 16:20*
Surr: Nitrobenzene-d5	*65.5*			*41-120*	*%REC*	*1*	*01-Aug-2022 16:20*
Surr: Phenol-d6	*58.8*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:20*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00165**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW50A-20220717
Collection Date: 17-Jul-2022 16:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 22:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 22:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 22:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 22:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 22:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 22:08
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 22:08
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*21-Jul-2022 22:08*
Surr: 4-Bromofluorobenzene	*100.0*			*77-113*	*%REC*	*1*	*21-Jul-2022 22:08*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*21-Jul-2022 22:08*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*21-Jul-2022 22:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW50A-20220717
Collection Date: 17-Jul-2022 16:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 13:10
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 13:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 13:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 13:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 13:10
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 13:10
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 13:10
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 13:10
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 13:10
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 13:10
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 13:10
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 13:10
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 13:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 13:10
Bis(2-ethylhexyl)phthalate	**0.000048**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 13:10
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 13:10
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 13:10
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 13:10
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 13:10
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 13:10
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 13:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 13:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 13:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 13:10
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 13:10
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 13:10
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 13:10
Surr: 2,4,6-Tribromophenol	*106*			*34-129*	*%REC*	*1*	*01-Aug-2022 13:10*
Surr: 2-Fluorobiphenyl	*67.0*			*40-125*	*%REC*	*1*	*01-Aug-2022 13:10*
Surr: 2-Fluorophenol	*58.5*			*20-120*	*%REC*	*1*	*01-Aug-2022 13:10*
Surr: 4-Terphenyl-d14	*123*			*40-135*	*%REC*	*1*	*01-Aug-2022 13:10*
Surr: Nitrobenzene-d5	*64.1*			*41-120*	*%REC*	*1*	*01-Aug-2022 13:10*
Surr: Phenol-d6	*60.9*			*20-120*	*%REC*	*1*	*01-Aug-2022 13:10*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.000656**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 15:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW80B-20220717
Collection Date: 17-Jul-2022 17:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-07
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	21-Jul-2022 23:27
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 23:27
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 23:27
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 23:27
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 23:27
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 23:27
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 23:27
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*21-Jul-2022 23:27*
Surr: 4-Bromofluorobenzene	*99.9*			*77-113*	*%REC*	*1*	*21-Jul-2022 23:27*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*21-Jul-2022 23:27*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*21-Jul-2022 23:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW80B-20220717
Collection Date: 17-Jul-2022 17:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:39
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 16:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 16:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 16:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:39
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:39
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 16:39
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 16:39
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 16:39
Anthracene	**0.000032**	J	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2022 16:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 16:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 16:39
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2022 16:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:39
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:39
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:39
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 16:39
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 16:39
Naphthalene	**0.00017**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 16:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 16:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 16:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 16:39
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 16:39
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:39
Surr: 2,4,6-Tribromophenol	*98.2*			*34-129*	*%REC*	*1*	*01-Aug-2022 16:39*
Surr: 2-Fluorobiphenyl	*76.2*			*40-125*	*%REC*	*1*	*01-Aug-2022 16:39*
Surr: 2-Fluorophenol	*67.9*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:39*
Surr: 4-Terphenyl-d14	*120*			*40-135*	*%REC*	*1*	*01-Aug-2022 16:39*
Surr: Nitrobenzene-d5	*74.6*			*41-120*	*%REC*	*1*	*01-Aug-2022 16:39*
Surr: Phenol-d6	*71.2*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:39*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00139**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:25

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB06-20220718
Collection Date: 18-Jul-2022 07:00

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-08
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	21-Jul-2022 14:40
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 14:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 14:40
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 14:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 14:40
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 14:40
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 14:40
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*21-Jul-2022 14:40*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-Jul-2022 14:40*
Surr: Dibromofluoromethane	*96.7*			*77-123*	*%REC*	*1*	*21-Jul-2022 14:40*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*21-Jul-2022 14:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB06-20220718
Collection Date: 18-Jul-2022 07:00

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:57
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 16:57
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 16:57
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 16:57
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 16:57
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:57
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:57
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 16:57
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 16:57
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 16:57
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 16:57
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 16:57
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:57
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 16:57
Bis(2-ethylhexyl)phthalate	**0.00011**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 16:57
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:57
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:57
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 16:57
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 16:57
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 16:57
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 16:57
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 16:57
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 16:57
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 16:57
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 16:57
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 16:57
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 16:57
Surr: 2,4,6-Tribromophenol	*84.2*			*34-129*	*%REC*	*1*	*01-Aug-2022 16:57*
Surr: 2-Fluorobiphenyl	*96.5*			*40-125*	*%REC*	*1*	*01-Aug-2022 16:57*
Surr: 2-Fluorophenol	*71.0*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:57*
Surr: 4-Terphenyl-d14	*121*			*40-135*	*%REC*	*1*	*01-Aug-2022 16:57*
Surr: Nitrobenzene-d5	*98.2*			*41-120*	*%REC*	*1*	*01-Aug-2022 16:57*
Surr: Phenol-d6	*81.3*			*20-120*	*%REC*	*1*	*01-Aug-2022 16:57*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	29-Jul-2022 16:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW86C-2022071
Collection Date: 18-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-09
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	21-Jul-2022 23:47
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 23:47
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 23:47
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 23:47
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2022 23:47
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2022 23:47
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2022 23:47
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*21-Jul-2022 23:47*
Surr: 4-Bromofluorobenzene	*99.1*			*77-113*	*%REC*	*1*	*21-Jul-2022 23:47*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*21-Jul-2022 23:47*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*21-Jul-2022 23:47*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW86C-2022071
Collection Date: 18-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 17:16
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 17:16
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 17:16
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 17:16
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 17:16
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 17:16
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 17:16
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 17:16
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 17:16
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 17:16
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 17:16
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 17:16
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 17:16
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 17:16
Bis(2-ethylhexyl)phthalate	**0.000067**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 17:16
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 17:16
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 17:16
Di-n-butyl phthalate	**0.000062**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2022 17:16
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 17:16
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 17:16
Naphthalene	**0.000067**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 17:16
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 17:16
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 17:16
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 17:16
Phenanthrene	**0.000022**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2022 17:16
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 17:16
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 17:16
Surr: 2,4,6-Tribromophenol	*99.2*			*34-129*	*%REC*	*1*	*01-Aug-2022 17:16*
Surr: 2-Fluorobiphenyl	*59.5*			*40-125*	*%REC*	*1*	*01-Aug-2022 17:16*
Surr: 2-Fluorophenol	*53.4*			*20-120*	*%REC*	*1*	*01-Aug-2022 17:16*
Surr: 4-Terphenyl-d14	*108*			*40-135*	*%REC*	*1*	*01-Aug-2022 17:16*
Surr: Nitrobenzene-d5	*59.2*			*41-120*	*%REC*	*1*	*01-Aug-2022 17:16*
Surr: Phenol-d6	*56.2*			*20-120*	*%REC*	*1*	*01-Aug-2022 17:16*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00586**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:29

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW79A-20220718
Collection Date: 18-Jul-2022 08:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-10
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	22-Jul-2022 04:22
Benzene	**0.29**		**0.0020**	**0.010**	**mg/L**	10	23-Jul-2022 01:15
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 04:22
Ethylbenzene	**0.13**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 04:22
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 04:22
Toluene	**0.39**		**0.0020**	**0.010**	**mg/L**	10	23-Jul-2022 01:15
Xylenes, Total	**0.35**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 04:22
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*22-Jul-2022 04:22*
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*10*	*23-Jul-2022 01:15*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*22-Jul-2022 04:22*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*10*	*23-Jul-2022 01:15*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*22-Jul-2022 04:22*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*10*	*23-Jul-2022 01:15*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*22-Jul-2022 04:22*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*10*	*23-Jul-2022 01:15*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW79A-20220718
Collection Date: 18-Jul-2022 08:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 18:19
2,4-Dimethylphenol	**6.8**		**0.040**	**0.20**	**mg/L**	1000	02-Aug-2022 00:07
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	30-Jul-2022 18:19
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	30-Jul-2022 18:19
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 18:19
2-Methylnaphthalene	**0.18**		**0.0019**	**0.010**	**mg/L**	100	30-Jul-2022 18:19
4,6-Dinitro-2-methylphenol	**0.0024**	J	**0.0020**	**0.020**	**mg/L**	100	30-Jul-2022 18:19
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	30-Jul-2022 18:19
Acenaphthene	**0.083**		**0.0027**	**0.010**	**mg/L**	100	30-Jul-2022 18:19
Acenaphthylene	**0.0033**	J	**0.0015**	**0.010**	**mg/L**	100	30-Jul-2022 18:19
Anthracene	< 0.0014		0.0014	0.010	mg/L	100	30-Jul-2022 18:19
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	30-Jul-2022 18:19
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	30-Jul-2022 18:19
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	30-Jul-2022 18:19
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	30-Jul-2022 18:19
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	30-Jul-2022 18:19
Dibenzofuran	**0.064**		**0.0020**	**0.010**	**mg/L**	100	30-Jul-2022 18:19
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	30-Jul-2022 18:19
Fluoranthene	**0.0027**	J	**0.0010**	**0.010**	**mg/L**	100	30-Jul-2022 18:19
Fluorene	**0.040**		**0.0030**	**0.010**	**mg/L**	100	30-Jul-2022 18:19
Naphthalene	**4.8**		**0.020**	**0.10**	**mg/L**	1000	02-Aug-2022 00:07
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	30-Jul-2022 18:19
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	30-Jul-2022 18:19
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	30-Jul-2022 18:19
Phenanthrene	**0.028**		**0.0021**	**0.010**	**mg/L**	100	30-Jul-2022 18:19
Phenol	**1.6**		**0.035**	**0.20**	**mg/L**	1000	02-Aug-2022 00:07
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	30-Jul-2022 18:19
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*30-Jul-2022 18:19*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*02-Aug-2022 00:07*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*02-Aug-2022 00:07*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*30-Jul-2022 18:19*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 18:19*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 00:07*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*02-Aug-2022 00:07*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*30-Jul-2022 18:19*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*02-Aug-2022 00:07*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*30-Jul-2022 18:19*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 18:19*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 00:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW79A-20220718
Collection Date: 18-Jul-2022 08:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.0148**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 21:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW74B-20220718
Collection Date: 18-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-11
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	22-Jul-2022 05:01
Benzene	**0.40**		**0.0020**	**0.010**	**mg/L**	10	23-Jul-2022 02:14
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 05:01
Ethylbenzene	**0.19**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 05:01
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 05:01
Toluene	**0.41**		**0.0020**	**0.010**	**mg/L**	10	23-Jul-2022 02:14
Xylenes, Total	**0.52**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 05:01
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*22-Jul-2022 05:01*
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*10*	*23-Jul-2022 02:14*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*22-Jul-2022 05:01*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*10*	*23-Jul-2022 02:14*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*22-Jul-2022 05:01*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*10*	*23-Jul-2022 02:14*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*22-Jul-2022 05:01*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*10*	*23-Jul-2022 02:14*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW74B-20220718
Collection Date: 18-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 18:38
2,4-Dimethylphenol	**18**		**0.40**	**2.0**	**mg/L**	10000	01-Aug-2022 23:48
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	30-Jul-2022 18:38
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	30-Jul-2022 18:38
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 18:38
2-Methylnaphthalene	**7.4**		**0.019**	**0.10**	**mg/L**	1000	01-Aug-2022 23:29
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	30-Jul-2022 18:38
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	30-Jul-2022 18:38
Acenaphthene	**5.5**		**0.027**	**0.10**	**mg/L**	1000	01-Aug-2022 23:29
Acenaphthylene	**0.10**		**0.0015**	**0.010**	**mg/L**	100	30-Jul-2022 18:38
Anthracene	**2.1**		**0.014**	**0.10**	**mg/L**	1000	01-Aug-2022 23:29
Benz(a)anthracene	**0.92**		**0.0050**	**0.010**	**mg/L**	100	30-Jul-2022 18:38
Benzo(a)pyrene	**0.29**		**0.0020**	**0.010**	**mg/L**	100	30-Jul-2022 18:38
Bis(2-chloroethoxy)methane	**0.098**		**0.0030**	**0.020**	**mg/L**	100	30-Jul-2022 18:38
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	30-Jul-2022 18:38
Chrysene	**0.74**		**0.0021**	**0.010**	**mg/L**	100	30-Jul-2022 18:38
Dibenzofuran	**4.8**		**0.020**	**0.10**	**mg/L**	1000	01-Aug-2022 23:29
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	30-Jul-2022 18:38
Fluoranthene	**6.3**		**0.010**	**0.10**	**mg/L**	1000	01-Aug-2022 23:29
Fluorene	**5.6**		**0.030**	**0.10**	**mg/L**	1000	01-Aug-2022 23:29
Naphthalene	**48**		**0.20**	**1.0**	**mg/L**	10000	01-Aug-2022 23:48
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	30-Jul-2022 18:38
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	30-Jul-2022 18:38
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	30-Jul-2022 18:38
Phenanthrene	**19**		**0.21**	**1.0**	**mg/L**	10000	01-Aug-2022 23:48
Phenol	**14**		**0.35**	**2.0**	**mg/L**	10000	01-Aug-2022 23:48
Pyrene	**3.2**		**0.019**	**0.10**	**mg/L**	1000	01-Aug-2022 23:29
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*30-Jul-2022 18:38*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*01-Aug-2022 23:29*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*01-Aug-2022 23:48*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*01-Aug-2022 23:29*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*01-Aug-2022 23:48*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*30-Jul-2022 18:38*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 18:38*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*01-Aug-2022 23:29*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*01-Aug-2022 23:48*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*01-Aug-2022 23:29*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*01-Aug-2022 23:48*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*30-Jul-2022 18:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW74B-20220718
Collection Date: 18-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 21-Jul-2022		Analyst: EM
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*01-Aug-2022 23:29*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*01-Aug-2022 23:48*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*30-Jul-2022 18:38*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 18:38*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*01-Aug-2022 23:29*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*01-Aug-2022 23:48*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00284**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 21:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW60AR-20220718
Collection Date: 18-Jul-2022 11:00

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 00:06
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 00:06
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:06
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:06
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 00:06
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 00:06
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:06
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*22-Jul-2022 00:06*
Surr: 4-Bromofluorobenzene	*98.1*			*77-113*	*%REC*	*1*	*22-Jul-2022 00:06*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 00:06*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*22-Jul-2022 00:06*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW60AR-20220718
Collection Date: 18-Jul-2022 11:00

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 17:35
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 17:35
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 17:35
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 17:35
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 17:35
2-Methylnaphthalene	**0.000020**	J	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 17:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 17:35
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 17:35
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 17:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 17:35
Anthracene	**0.000076**	J	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2022 17:35
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 17:35
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 17:35
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 17:35
Bis(2-ethylhexyl)phthalate	**0.000064**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 17:35
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 17:35
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 17:35
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 17:35
Fluoranthene	**0.000028**	J	**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2022 17:35
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 17:35
Naphthalene	**0.00020**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 17:35
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 17:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 17:35
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 17:35
Phenanthrene	**0.000039**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2022 17:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 17:35
Pyrene	**0.000020**	J	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 17:35
Surr: 2,4,6-Tribromophenol	*92.3*			*34-129*	*%REC*	*1*	*01-Aug-2022 17:35*
Surr: 2-Fluorobiphenyl	*65.5*			*40-125*	*%REC*	*1*	*01-Aug-2022 17:35*
Surr: 2-Fluorophenol	*56.9*			*20-120*	*%REC*	*1*	*01-Aug-2022 17:35*
Surr: 4-Terphenyl-d14	*118*			*40-135*	*%REC*	*1*	*01-Aug-2022 17:35*
Surr: Nitrobenzene-d5	*64.6*			*41-120*	*%REC*	*1*	*01-Aug-2022 17:35*
Surr: Phenol-d6	*59.0*			*20-120*	*%REC*	*1*	*01-Aug-2022 17:35*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.000994**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW60B-20220718
Collection Date: 18-Jul-2022 11:50

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-13
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	22-Jul-2022 00:26
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 00:26
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:26
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:26
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 00:26
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 00:26
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:26
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*22-Jul-2022 00:26*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*1*	*22-Jul-2022 00:26*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*22-Jul-2022 00:26*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*22-Jul-2022 00:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW60B-20220718
Collection Date: 18-Jul-2022 11:50

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 17:54
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 17:54
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 17:54
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 17:54
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 17:54
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 17:54
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 17:54
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 17:54
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 17:54
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 17:54
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 17:54
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 17:54
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 17:54
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 17:54
Bis(2-ethylhexyl)phthalate	**0.000068**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 17:54
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 17:54
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 17:54
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 17:54
Fluoranthene	**0.000017**	J	**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2022 17:54
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 17:54
Naphthalene	**0.00013**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 17:54
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 17:54
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 17:54
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 17:54
Phenanthrene	**0.000038**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2022 17:54
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 17:54
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 17:54
Surr: 2,4,6-Tribromophenol	*83.0*			*34-129*	*%REC*	*1*	*01-Aug-2022 17:54*
Surr: 2-Fluorobiphenyl	*63.9*			*40-125*	*%REC*	*1*	*01-Aug-2022 17:54*
Surr: 2-Fluorophenol	*52.5*			*20-120*	*%REC*	*1*	*01-Aug-2022 17:54*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*1*	*01-Aug-2022 17:54*
Surr: Nitrobenzene-d5	*61.8*			*41-120*	*%REC*	*1*	*01-Aug-2022 17:54*
Surr: Phenol-d6	*55.4*			*20-120*	*%REC*	*1*	*01-Aug-2022 17:54*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.000707**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59B-20220718
Collection Date: 18-Jul-2022 12:50

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-14
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	22-Jul-2022 04:02
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 04:02
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 04:02
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 04:02
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 04:02
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 04:02
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 04:02
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*22-Jul-2022 04:02*
Surr: 4-Bromofluorobenzene	*98.5*			*77-113*	*%REC*	*1*	*22-Jul-2022 04:02*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 04:02*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*22-Jul-2022 04:02*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59B-20220718
Collection Date: 18-Jul-2022 12:50

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-14
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 18:13
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 18:13
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 18:13
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 18:13
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 18:13
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 18:13
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 18:13
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 18:13
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 18:13
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 18:13
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 18:13
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 18:13
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 18:13
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 18:13
Bis(2-ethylhexyl)phthalate	**0.000049**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 18:13
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 18:13
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 18:13
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 18:13
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 18:13
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 18:13
Naphthalene	**0.000048**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 18:13
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 18:13
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 18:13
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 18:13
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 18:13
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 18:13
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 18:13
Surr: 2,4,6-Tribromophenol	*98.4*			*34-129*	*%REC*	*1*	*01-Aug-2022 18:13*
Surr: 2-Fluorobiphenyl	*66.2*			*40-125*	*%REC*	*1*	*01-Aug-2022 18:13*
Surr: 2-Fluorophenol	*58.0*			*20-120*	*%REC*	*1*	*01-Aug-2022 18:13*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*1*	*01-Aug-2022 18:13*
Surr: Nitrobenzene-d5	*66.3*			*41-120*	*%REC*	*1*	*01-Aug-2022 18:13*
Surr: Phenol-d6	*61.7*			*20-120*	*%REC*	*1*	*01-Aug-2022 18:13*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.0147**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59A-20220718
Collection Date: 18-Jul-2022 13:45

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-15
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	22-Jul-2022 00:45
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 00:45
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:45
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:45
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 00:45
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 00:45
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 00:45
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*22-Jul-2022 00:45*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*22-Jul-2022 00:45*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 00:45*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*22-Jul-2022 00:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59A-20220718
Collection Date: 18-Jul-2022 13:45

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-15
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 18:32
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 18:32
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 18:32
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 18:32
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 18:32
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 18:32
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 18:32
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 18:32
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 18:32
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 18:32
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 18:32
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 18:32
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 18:32
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 18:32
Bis(2-ethylhexyl)phthalate	**0.000046**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 18:32
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 18:32
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 18:32
Di-n-butyl phthalate	**0.000021**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2022 18:32
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2022 18:32
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 18:32
Naphthalene	**0.000028**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 18:32
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 18:32
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 18:32
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 18:32
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 18:32
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 18:32
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 18:32
Surr: 2,4,6-Tribromophenol	*78.5*			*34-129*	*%REC*	*1*	*01-Aug-2022 18:32*
Surr: 2-Fluorobiphenyl	*58.2*			*40-125*	*%REC*	*1*	*01-Aug-2022 18:32*
Surr: 2-Fluorophenol	*50.3*			*20-120*	*%REC*	*1*	*01-Aug-2022 18:32*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*01-Aug-2022 18:32*
Surr: Nitrobenzene-d5	*55.0*			*41-120*	*%REC*	*1*	*01-Aug-2022 18:32*
Surr: Phenol-d6	*52.3*			*20-120*	*%REC*	*1*	*01-Aug-2022 18:32*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.0120**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW48C-20220718
Collection Date: 18-Jul-2022 14:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-16
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	22-Jul-2022 01:05
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 01:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 01:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 01:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 01:05
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 01:05
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 01:05
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*22-Jul-2022 01:05*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*22-Jul-2022 01:05*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*22-Jul-2022 01:05*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*22-Jul-2022 01:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW48C-20220718
Collection Date: 18-Jul-2022 14:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-16
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 18:51
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 18:51
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 18:51
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 18:51
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 18:51
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 18:51
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 18:51
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 18:51
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2022 18:51
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 18:51
Anthracene	**0.000017**	J	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2022 18:51
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 18:51
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 18:51
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 18:51
Bis(2-ethylhexyl)phthalate	**0.000070**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 18:51
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 18:51
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 18:51
Di-n-butyl phthalate	**0.000043**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2022 18:51
Fluoranthene	**0.000031**	J	**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2022 18:51
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 18:51
Naphthalene	**0.000064**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 18:51
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 18:51
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 18:51
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 18:51
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 18:51
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 18:51
Pyrene	**0.000033**	J	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 18:51
Surr: 2,4,6-Tribromophenol	*78.5*			*34-129*	*%REC*	*1*	*01-Aug-2022 18:51*
Surr: 2-Fluorobiphenyl	*61.1*			*40-125*	*%REC*	*1*	*01-Aug-2022 18:51*
Surr: 2-Fluorophenol	*54.5*			*20-120*	*%REC*	*1*	*01-Aug-2022 18:51*
Surr: 4-Terphenyl-d14	*113*			*40-135*	*%REC*	*1*	*01-Aug-2022 18:51*
Surr: Nitrobenzene-d5	*62.8*			*41-120*	*%REC*	*1*	*01-Aug-2022 18:51*
Surr: Phenol-d6	*57.8*			*20-120*	*%REC*	*1*	*01-Aug-2022 18:51*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00192**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW49B-20220718
Collection Date: 18-Jul-2022 16:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-17
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	22-Jul-2022 04:41
Benzene	**0.54**		**0.0020**	**0.010**	**mg/L**	10	23-Jul-2022 02:33
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 04:41
Ethylbenzene	**0.17**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 04:41
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 04:41
Toluene	**0.55**		**0.0020**	**0.010**	**mg/L**	10	23-Jul-2022 02:33
Xylenes, Total	**0.48**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 04:41
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*22-Jul-2022 04:41*
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*10*	*23-Jul-2022 02:33*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*22-Jul-2022 04:41*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*10*	*23-Jul-2022 02:33*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*22-Jul-2022 04:41*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*10*	*23-Jul-2022 02:33*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*22-Jul-2022 04:41*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*10*	*23-Jul-2022 02:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW49B-20220718
Collection Date: 18-Jul-2022 16:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-17
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 20:31
2,4-Dimethylphenol	**6.4**		**0.040**	**0.20**	**mg/L**	1000	02-Aug-2022 00:26
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	30-Jul-2022 20:31
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	30-Jul-2022 20:31
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 20:31
2-Methylnaphthalene	**0.49**		**0.0019**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	30-Jul-2022 20:31
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	30-Jul-2022 20:31
Acenaphthene	**0.36**		**0.0027**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Acenaphthylene	**0.0080**	J	**0.0015**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Anthracene	**0.14**		**0.0014**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Benz(a)anthracene	**0.041**		**0.0050**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Benzo(a)pyrene	**0.012**		**0.0020**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	30-Jul-2022 20:31
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	30-Jul-2022 20:31
Chrysene	**0.044**		**0.0021**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Dibenzofuran	**0.33**		**0.0020**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	30-Jul-2022 20:31
Fluoranthene	**0.28**		**0.0010**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Fluorene	**0.31**		**0.0030**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Naphthalene	**8.9**		**0.20**	**1.0**	**mg/L**	10000	02-Aug-2022 15:08
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	30-Jul-2022 20:31
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	30-Jul-2022 20:31
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	30-Jul-2022 20:31
Phenanthrene	**0.80**		**0.0021**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Phenol	**0.023**		**0.0035**	**0.020**	**mg/L**	100	30-Jul-2022 20:31
Pyrene	**0.16**		**0.0019**	**0.010**	**mg/L**	100	30-Jul-2022 20:31
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*30-Jul-2022 20:31*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*02-Aug-2022 00:26*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*02-Aug-2022 15:08*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*02-Aug-2022 00:26*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*30-Jul-2022 20:31*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*02-Aug-2022 15:08*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*02-Aug-2022 15:08*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 20:31*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 00:26*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*02-Aug-2022 00:26*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*30-Jul-2022 20:31*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*02-Aug-2022 15:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW49B-20220718
Collection Date: 18-Jul-2022 16:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-17
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 21-Jul-2022		Analyst: EM
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*02-Aug-2022 00:26*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*02-Aug-2022 15:08*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*30-Jul-2022 20:31*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 20:31*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*02-Aug-2022 15:08*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 00:26*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00798**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 22:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW49A-20220718
Collection Date: 18-Jul-2022 17:10

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-18
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	22-Jul-2022 01:25
Benzene	**0.055**		**0.00020**	**0.0010**	**mg/L**	1	22-Jul-2022 01:25
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 01:25
Ethylbenzene	**0.055**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 01:25
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 01:25
Toluene	**0.026**		**0.00020**	**0.0010**	**mg/L**	1	22-Jul-2022 01:25
Xylenes, Total	**0.12**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 01:25
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*22-Jul-2022 01:25*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*22-Jul-2022 01:25*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*22-Jul-2022 01:25*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*22-Jul-2022 01:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW49A-20220718
Collection Date: 18-Jul-2022 17:10

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-18
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 20:50
2,4-Dimethylphenol	**0.16**		**0.0040**	**0.020**	**mg/L**	100	30-Jul-2022 20:50
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	30-Jul-2022 20:50
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	30-Jul-2022 20:50
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	30-Jul-2022 20:50
2-Methylnaphthalene	**0.16**		**0.0019**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	30-Jul-2022 20:50
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	30-Jul-2022 20:50
Acenaphthene	**0.11**		**0.0027**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Acenaphthylene	**0.0030**	J	**0.0015**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Anthracene	**0.017**		**0.0014**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Benz(a)anthracene	**0.0054**	J	**0.0050**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	30-Jul-2022 20:50
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	30-Jul-2022 20:50
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	30-Jul-2022 20:50
Chrysene	**0.0060**	J	**0.0021**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Dibenzofuran	**0.076**		**0.0020**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	30-Jul-2022 20:50
Fluoranthene	**0.040**		**0.0010**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Fluorene	**0.078**		**0.0030**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Naphthalene	**3.2**		**0.020**	**0.10**	**mg/L**	1000	02-Aug-2022 00:45
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	30-Jul-2022 20:50
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	30-Jul-2022 20:50
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	30-Jul-2022 20:50
Phenanthrene	**0.10**		**0.0021**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Phenol	< 0.0035		0.0035	0.020	mg/L	100	30-Jul-2022 20:50
Pyrene	**0.025**		**0.0019**	**0.010**	**mg/L**	100	30-Jul-2022 20:50
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*30-Jul-2022 20:50*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*02-Aug-2022 00:45*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*02-Aug-2022 00:45*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*30-Jul-2022 20:50*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 20:50*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 00:45*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*02-Aug-2022 00:45*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*30-Jul-2022 20:50*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*30-Jul-2022 20:50*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*02-Aug-2022 00:45*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 00:45*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*30-Jul-2022 20:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW49A-20220718
Collection Date: 18-Jul-2022 17:10

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-18
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00123**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:55

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW69A-20220719
Collection Date: 19-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-19
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	22-Jul-2022 01:44
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 01:44
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 01:44
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 01:44
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 01:44
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 01:44
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 01:44
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*22-Jul-2022 01:44*
Surr: 4-Bromofluorobenzene	*98.5*			*77-113*	*%REC*	*1*	*22-Jul-2022 01:44*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*22-Jul-2022 01:44*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*22-Jul-2022 01:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW69A-20220719
Collection Date: 19-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-19
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 19:10
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 19:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 19:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 19:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 19:10
2-Methylnaphthalene	**0.000083**	J	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 19:10
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 19:10
Acenaphthene	**0.00012**		**0.000027**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 19:10
Anthracene	**0.000027**	J	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 19:10
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 19:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 19:10
Bis(2-ethylhexyl)phthalate	**0.00012**	J	**0.000037**	**0.00020**	**mg/L**	1	01-Aug-2022 19:10
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 19:10
Dibenzofuran	**0.000023**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 19:10
Fluoranthene	**0.000095**	J	**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Fluorene	**0.000058**	J	**0.000030**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Naphthalene	**0.00011**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 19:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 19:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 19:10
Phenanthrene	**0.000075**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 19:10
Pyrene	**0.000077**	J	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 19:10
Surr: 2,4,6-Tribromophenol	*114*			*34-129*	*%REC*	*1*	*01-Aug-2022 19:10*
Surr: 2-Fluorobiphenyl	*75.2*			*40-125*	*%REC*	*1*	*01-Aug-2022 19:10*
Surr: 2-Fluorophenol	*63.6*			*20-120*	*%REC*	*1*	*01-Aug-2022 19:10*
Surr: 4-Terphenyl-d14	*120*			*40-135*	*%REC*	*1*	*01-Aug-2022 19:10*
Surr: Nitrobenzene-d5	*74.7*			*41-120*	*%REC*	*1*	*01-Aug-2022 19:10*
Surr: Phenol-d6	*66.7*			*20-120*	*%REC*	*1*	*01-Aug-2022 19:10*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.0234**		**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW21C-20220719
Collection Date: 19-Jul-2022 09:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-20
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	22-Jul-2022 02:04
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 02:04
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:04
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:04
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 02:04
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 02:04
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:04
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*22-Jul-2022 02:04*
Surr: 4-Bromofluorobenzene	*99.9*			*77-113*	*%REC*	*1*	*22-Jul-2022 02:04*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 02:04*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*22-Jul-2022 02:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW21C-20220719
Collection Date: 19-Jul-2022 09:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-20
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 22:51
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2022 22:51
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 22:51
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 22:51
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 22:51
2-Methylnaphthalene	**0.00038**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 22:51
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 22:51
Acenaphthene	**0.00019**		**0.000027**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 22:51
Anthracene	**0.00016**		**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 22:51
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 22:51
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 22:51
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2022 22:51
Chrysene	**0.000048**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Dibenzofuran	**0.00029**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 22:51
Fluoranthene	**0.00032**		**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Fluorene	**0.00028**		**0.000030**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Naphthalene	**0.0017**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 22:51
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 22:51
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 22:51
Phenanthrene	**0.00083**		**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 22:51
Pyrene	**0.00019**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 22:51
Surr: 2,4,6-Tribromophenol	*79.5*			*34-129*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: 2-Fluorobiphenyl	*53.9*			*40-125*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: 2-Fluorophenol	*46.6*			*20-120*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: Nitrobenzene-d5	*54.2*			*41-120*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: Phenol-d6	*49.5*			*20-120*	*%REC*	*1*	*01-Aug-2022 22:51*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.000835**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 16:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD01-20220719
Collection Date: 19-Jul-2022 09:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-21
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	22-Jul-2022 02:24
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 02:24
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:24
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:24
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 02:24
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 02:24
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:24
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*22-Jul-2022 02:24*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*22-Jul-2022 02:24*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 02:24*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*22-Jul-2022 02:24*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD01-20220719
Collection Date: 19-Jul-2022 09:15

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-21
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 23:10
2,4-Dimethylphenol	**0.000064**	J	**0.000040**	**0.00020**	**mg/L**	1	01-Aug-2022 23:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2022 23:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2022 23:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2022 23:10
2-Methylnaphthalene	**0.00012**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2022 23:10
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 23:10
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2022 23:10
Acenaphthene	**0.000036**	J	**0.000027**	**0.00010**	**mg/L**	1	01-Aug-2022 23:10
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2022 23:10
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2022 23:10
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2022 23:10
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2022 23:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2022 23:10
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2022 23:10
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2022 23:10
Dibenzofuran	**0.000046**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 23:10
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2022 23:10
Fluoranthene	**0.000011**	J	**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2022 23:10
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2022 23:10
Naphthalene	**0.0016**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2022 23:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2022 23:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2022 23:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2022 23:10
Phenanthrene	**0.000037**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2022 23:10
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2022 23:10
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2022 23:10
Surr: 2,4,6-Tribromophenol	*81.5*			*34-129*	*%REC*	*1*	*01-Aug-2022 23:10*
Surr: 2-Fluorobiphenyl	*57.6*			*40-125*	*%REC*	*1*	*01-Aug-2022 23:10*
Surr: 2-Fluorophenol	*54.2*			*20-120*	*%REC*	*1*	*01-Aug-2022 23:10*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*01-Aug-2022 23:10*
Surr: Nitrobenzene-d5	*58.5*			*41-120*	*%REC*	*1*	*01-Aug-2022 23:10*
Surr: Phenol-d6	*55.4*			*20-120*	*%REC*	*1*	*01-Aug-2022 23:10*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: YP
Arsenic	**0.00102**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 17:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW27C-20220719
Collection Date: 19-Jul-2022 10:25

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-22
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	22-Jul-2022 02:43
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 02:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:43
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 02:43
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 02:43
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 02:43
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*22-Jul-2022 02:43*
Surr: 4-Bromofluorobenzene	*98.5*			*77-113*	*%REC*	*1*	*22-Jul-2022 02:43*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*22-Jul-2022 02:43*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*22-Jul-2022 02:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW27C-20220719
Collection Date: 19-Jul-2022 10:25

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-22
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 22-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 16:14
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	28-Jul-2022 16:14
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	28-Jul-2022 16:14
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	28-Jul-2022 16:14
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 16:14
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 16:14
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 16:14
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	28-Jul-2022 16:14
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	28-Jul-2022 16:14
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	28-Jul-2022 16:14
Anthracene	**0.000050**	J	**0.000014**	**0.00010**	**mg/L**	1	28-Jul-2022 16:14
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	28-Jul-2022 16:14
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 16:14
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	28-Jul-2022 16:14
Bis(2-ethylhexyl)phthalate	**0.000052**	J	**0.000037**	**0.00020**	**mg/L**	1	28-Jul-2022 16:14
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 16:14
Dibenzofuran	**0.000039**	J	**0.000020**	**0.00010**	**mg/L**	1	28-Jul-2022 16:14
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 16:14
Fluoranthene	**0.000033**	J	**0.000010**	**0.00010**	**mg/L**	1	28-Jul-2022 16:14
Fluorene	**0.000054**	J	**0.000030**	**0.00010**	**mg/L**	1	28-Jul-2022 16:14
Naphthalene	**0.000063**	J	**0.000020**	**0.00010**	**mg/L**	1	28-Jul-2022 16:14
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	28-Jul-2022 16:14
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	28-Jul-2022 16:14
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	28-Jul-2022 16:14
Phenanthrene	**0.00023**		**0.000021**	**0.00010**	**mg/L**	1	28-Jul-2022 16:14
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	28-Jul-2022 16:14
Pyrene	**0.000023**	J	**0.000019**	**0.00010**	**mg/L**	1	28-Jul-2022 16:14
Surr: 2,4,6-Tribromophenol	*60.4*			*34-129*	*%REC*	*1*	*28-Jul-2022 16:14*
Surr: 2-Fluorobiphenyl	*52.8*			*40-125*	*%REC*	*1*	*28-Jul-2022 16:14*
Surr: 2-Fluorophenol	*37.6*			*20-120*	*%REC*	*1*	*28-Jul-2022 16:14*
Surr: 4-Terphenyl-d14	*75.3*			*40-135*	*%REC*	*1*	*28-Jul-2022 16:14*
Surr: Nitrobenzene-d5	*46.7*			*41-120*	*%REC*	*1*	*28-Jul-2022 16:14*
Surr: Phenol-d6	*46.2*			*20-120*	*%REC*	*1*	*28-Jul-2022 16:14*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	01-Aug-2022 15:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW27A-20220719
Collection Date: 19-Jul-2022 11:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-23
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	22-Jul-2022 03:03
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 03:03
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:03
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 03:03
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 03:03
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:03
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*22-Jul-2022 03:03*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*22-Jul-2022 03:03*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 03:03*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*22-Jul-2022 03:03*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW27A-20220719
Collection Date: 19-Jul-2022 11:05

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-23
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 22-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 16:35
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	28-Jul-2022 16:35
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	28-Jul-2022 16:35
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	28-Jul-2022 16:35
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 16:35
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 16:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 16:35
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	28-Jul-2022 16:35
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	28-Jul-2022 16:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	28-Jul-2022 16:35
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	28-Jul-2022 16:35
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	28-Jul-2022 16:35
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 16:35
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	28-Jul-2022 16:35
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	28-Jul-2022 16:35
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 16:35
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 16:35
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 16:35
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	28-Jul-2022 16:35
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	28-Jul-2022 16:35
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 16:35
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	28-Jul-2022 16:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	28-Jul-2022 16:35
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	28-Jul-2022 16:35
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 16:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	28-Jul-2022 16:35
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 16:35
Surr: 2,4,6-Tribromophenol	*59.3*			*34-129*	*%REC*	*1*	*28-Jul-2022 16:35*
Surr: 2-Fluorobiphenyl	*58.5*			*40-125*	*%REC*	*1*	*28-Jul-2022 16:35*
Surr: 2-Fluorophenol	*51.6*			*20-120*	*%REC*	*1*	*28-Jul-2022 16:35*
Surr: 4-Terphenyl-d14	*90.8*			*40-135*	*%REC*	*1*	*28-Jul-2022 16:35*
Surr: Nitrobenzene-d5	*45.6*			*41-120*	*%REC*	*1*	*28-Jul-2022 16:35*
Surr: Phenol-d6	*45.9*			*20-120*	*%REC*	*1*	*28-Jul-2022 16:35*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	01-Aug-2022 16:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW99C-20220719
Collection Date: 19-Jul-2022 12:20

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-24
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	22-Jul-2022 03:23
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 03:23
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:23
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:23
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 03:23
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 03:23
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:23
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*22-Jul-2022 03:23*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*22-Jul-2022 03:23*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 03:23*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*22-Jul-2022 03:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW99C-20220719
Collection Date: 19-Jul-2022 12:20

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-24
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 22-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 16:56
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	28-Jul-2022 16:56
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	28-Jul-2022 16:56
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	28-Jul-2022 16:56
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 16:56
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 16:56
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 16:56
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	28-Jul-2022 16:56
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	28-Jul-2022 16:56
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	28-Jul-2022 16:56
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	28-Jul-2022 16:56
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	28-Jul-2022 16:56
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 16:56
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	28-Jul-2022 16:56
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	28-Jul-2022 16:56
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 16:56
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 16:56
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 16:56
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	28-Jul-2022 16:56
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	28-Jul-2022 16:56
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 16:56
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	28-Jul-2022 16:56
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	28-Jul-2022 16:56
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	28-Jul-2022 16:56
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 16:56
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	28-Jul-2022 16:56
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 16:56
Surr: 2,4,6-Tribromophenol	*60.8*			*34-129*	*%REC*	*1*	*28-Jul-2022 16:56*
Surr: 2-Fluorobiphenyl	*53.3*			*40-125*	*%REC*	*1*	*28-Jul-2022 16:56*
Surr: 2-Fluorophenol	*31.2*			*20-120*	*%REC*	*1*	*28-Jul-2022 16:56*
Surr: 4-Terphenyl-d14	*92.0*			*40-135*	*%REC*	*1*	*28-Jul-2022 16:56*
Surr: Nitrobenzene-d5	*44.3*			*41-120*	*%REC*	*1*	*28-Jul-2022 16:56*
Surr: Phenol-d6	*45.8*			*20-120*	*%REC*	*1*	*28-Jul-2022 16:56*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	01-Aug-2022 16:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW54B-20220719
Collection Date: 19-Jul-2022 13:10

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-25
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	22-Jul-2022 03:42
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 03:42
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:42
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:42
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 03:42
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 03:42
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 03:42
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*22-Jul-2022 03:42*
Surr: 4-Bromofluorobenzene	*97.7*			*77-113*	*%REC*	*1*	*22-Jul-2022 03:42*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2022 03:42*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*22-Jul-2022 03:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW54B-20220719
Collection Date: 19-Jul-2022 13:10

ANALYTICAL REPORT
WorkOrder:HS22070995
Lab ID:HS22070995-25
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 22-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 17:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	28-Jul-2022 17:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	28-Jul-2022 17:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	28-Jul-2022 17:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	28-Jul-2022 17:17
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 17:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 17:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	28-Jul-2022 17:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	28-Jul-2022 17:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	28-Jul-2022 17:17
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	28-Jul-2022 17:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	28-Jul-2022 17:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 17:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	28-Jul-2022 17:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	28-Jul-2022 17:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 17:17
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 17:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	28-Jul-2022 17:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	28-Jul-2022 17:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	28-Jul-2022 17:17
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	28-Jul-2022 17:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	28-Jul-2022 17:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	28-Jul-2022 17:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	28-Jul-2022 17:17
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	28-Jul-2022 17:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	28-Jul-2022 17:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	28-Jul-2022 17:17
Surr: 2,4,6-Tribromophenol	*49.7*			*34-129*	*%REC*	*1*	*28-Jul-2022 17:17*
Surr: 2-Fluorobiphenyl	*52.9*			*40-125*	*%REC*	*1*	*28-Jul-2022 17:17*
Surr: 2-Fluorophenol	*42.5*			*20-120*	*%REC*	*1*	*28-Jul-2022 17:17*
Surr: 4-Terphenyl-d14	*79.3*			*40-135*	*%REC*	*1*	*28-Jul-2022 17:17*
Surr: Nitrobenzene-d5	*41.1*			*41-120*	*%REC*	*1*	*28-Jul-2022 17:17*
Surr: Phenol-d6	*42.3*			*20-120*	*%REC*	*1*	*28-Jul-2022 17:17*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	01-Aug-2022 16:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

Batch ID: 181453 **Start Date:** 21 Jul 2022 07:00 **End Date:** 21 Jul 2022 13:00
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070995-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-17	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-18	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-19	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-20	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-21	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181535 **Start Date:** 22 Jul 2022 08:30 **End Date:** 22 Jul 2022 14:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070995-22	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-23	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-24	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22070995-25	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

Batch ID: 181796 **Start Date:** 29 Jul 2022 09:00 **End Date:** 29 Jul 2022 13:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070995-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-16		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-17		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-18		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-19		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-20		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-21		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 181799 **Start Date:** 29 Jul 2022 10:00 **End Date:** 29 Jul 2022 14:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22070995-22		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-23		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-24		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22070995-25		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181453 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22070995-02	WG-1620-FB05-20220717	17 Jul 2022 12:15		21 Jul 2022 07:20	01 Aug 2022 14:07	1
HS22070995-03	WG-1620-MW51C-20220717	17 Jul 2022 13:20		21 Jul 2022 07:20	01 Aug 2022 14:26	1
HS22070995-04	WG-1620-MW51A-20220717	17 Jul 2022 14:10		21 Jul 2022 07:20	01 Aug 2022 16:01	1
HS22070995-05	WG-1620-MW50B-20220717	17 Jul 2022 15:05		21 Jul 2022 07:20	01 Aug 2022 16:20	1
HS22070995-06	WG-1620-MW50A-20220717	17 Jul 2022 16:05		21 Jul 2022 07:20	01 Aug 2022 13:10	1
HS22070995-07	WG-1620-MW80B-20220717	17 Jul 2022 17:15		21 Jul 2022 07:20	01 Aug 2022 16:39	1
HS22070995-08	WG-1620-FB06-20220718	18 Jul 2022 07:00		21 Jul 2022 07:20	01 Aug 2022 16:57	1
HS22070995-09	WG-1620-MW86C-2022071	18 Jul 2022 07:55		21 Jul 2022 07:20	01 Aug 2022 17:16	1
HS22070995-10	WG-1620-MW79A-20220718	18 Jul 2022 08:55		21 Jul 2022 07:20	30 Jul 2022 18:19	100
HS22070995-10	WG-1620-MW79A-20220718	18 Jul 2022 08:55		21 Jul 2022 07:20	02 Aug 2022 00:07	1000
HS22070995-11	WG-1620-MW74B-20220718	18 Jul 2022 09:50		21 Jul 2022 07:20	30 Jul 2022 18:38	100
HS22070995-11	WG-1620-MW74B-20220718	18 Jul 2022 09:50		21 Jul 2022 07:20	01 Aug 2022 23:48	10000
HS22070995-11	WG-1620-MW74B-20220718	18 Jul 2022 09:50		21 Jul 2022 07:20	01 Aug 2022 23:29	1000
HS22070995-12	WG-1620-MW60AR-20220718	18 Jul 2022 11:00		21 Jul 2022 07:20	01 Aug 2022 17:35	1
HS22070995-13	WG-1620-MW60B-20220718	18 Jul 2022 11:50		21 Jul 2022 07:20	01 Aug 2022 17:54	1
HS22070995-14	WG-1620-MW59B-20220718	18 Jul 2022 12:50		21 Jul 2022 07:20	01 Aug 2022 18:13	1
HS22070995-15	WG-1620-MW59A-20220718	18 Jul 2022 13:45		21 Jul 2022 07:20	01 Aug 2022 18:32	1
HS22070995-16	WG-1620-MW48C-20220718	18 Jul 2022 14:55		21 Jul 2022 07:20	01 Aug 2022 18:51	1
HS22070995-17	WG-1620-MW49B-20220718	18 Jul 2022 16:05		21 Jul 2022 07:20	30 Jul 2022 20:31	100
HS22070995-17	WG-1620-MW49B-20220718	18 Jul 2022 16:05		21 Jul 2022 07:20	02 Aug 2022 15:08	10000
HS22070995-17	WG-1620-MW49B-20220718	18 Jul 2022 16:05		21 Jul 2022 07:20	02 Aug 2022 00:26	1000
HS22070995-18	WG-1620-MW49A-20220718	18 Jul 2022 17:10		21 Jul 2022 07:20	30 Jul 2022 20:50	100
HS22070995-18	WG-1620-MW49A-20220718	18 Jul 2022 17:10		21 Jul 2022 07:20	02 Aug 2022 00:45	1000
HS22070995-19	WG-1620-MW69A-20220719	19 Jul 2022 07:55		21 Jul 2022 07:20	01 Aug 2022 19:10	1
HS22070995-20	WG-1620-MW21C-20220719	19 Jul 2022 09:15		21 Jul 2022 07:20	01 Aug 2022 22:51	1
HS22070995-21	WG-1620-FD01-20220719	19 Jul 2022 09:15		21 Jul 2022 07:20	01 Aug 2022 23:10	1
Batch ID: 181535 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22070995-22	WG-1620-MW27C-20220719	19 Jul 2022 10:25		22 Jul 2022 13:06	28 Jul 2022 16:14	1
HS22070995-23	WG-1620-MW27A-20220719	19 Jul 2022 11:05		22 Jul 2022 13:06	28 Jul 2022 16:35	1
HS22070995-24	WG-1620-MW99C-20220719	19 Jul 2022 12:20		22 Jul 2022 13:06	28 Jul 2022 16:56	1
HS22070995-25	WG-1620-MW54B-20220719	19 Jul 2022 13:10		22 Jul 2022 13:06	28 Jul 2022 17:17	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181796 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22070995-02	WG-1620-FB05-20220717	17 Jul 2022 12:15		29 Jul 2022 09:00	29 Jul 2022 16:09	1
HS22070995-03	WG-1620-MW51C-20220717	17 Jul 2022 13:20		29 Jul 2022 09:00	29 Jul 2022 16:19	1
HS22070995-04	WG-1620-MW51A-20220717	17 Jul 2022 14:10		29 Jul 2022 09:00	29 Jul 2022 16:21	1
HS22070995-05	WG-1620-MW50B-20220717	17 Jul 2022 15:05		29 Jul 2022 09:00	29 Jul 2022 16:23	1
HS22070995-06	WG-1620-MW50A-20220717	17 Jul 2022 16:05		29 Jul 2022 09:00	29 Jul 2022 15:59	1
HS22070995-07	WG-1620-MW80B-20220717	17 Jul 2022 17:15		29 Jul 2022 09:00	29 Jul 2022 16:25	1
HS22070995-08	WG-1620-FB06-20220718	18 Jul 2022 07:00		29 Jul 2022 09:00	29 Jul 2022 16:27	1
HS22070995-09	WG-1620-MW86C-2022071	18 Jul 2022 07:55		29 Jul 2022 09:00	29 Jul 2022 16:29	1
HS22070995-10	WG-1620-MW79A-20220718	18 Jul 2022 08:55		29 Jul 2022 09:00	29 Jul 2022 21:57	1
HS22070995-11	WG-1620-MW74B-20220718	18 Jul 2022 09:50		29 Jul 2022 09:00	29 Jul 2022 21:59	1
HS22070995-12	WG-1620-MW60AR-20220718	18 Jul 2022 11:00		29 Jul 2022 09:00	29 Jul 2022 16:35	1
HS22070995-13	WG-1620-MW60B-20220718	18 Jul 2022 11:50		29 Jul 2022 09:00	29 Jul 2022 16:45	1
HS22070995-14	WG-1620-MW59B-20220718	18 Jul 2022 12:50		29 Jul 2022 09:00	29 Jul 2022 16:47	1
HS22070995-15	WG-1620-MW59A-20220718	18 Jul 2022 13:45		29 Jul 2022 09:00	29 Jul 2022 16:49	1
HS22070995-16	WG-1620-MW48C-20220718	18 Jul 2022 14:55		29 Jul 2022 09:00	29 Jul 2022 16:51	1
HS22070995-17	WG-1620-MW49B-20220718	18 Jul 2022 16:05		29 Jul 2022 09:00	29 Jul 2022 22:01	1
HS22070995-18	WG-1620-MW49A-20220718	18 Jul 2022 17:10		29 Jul 2022 09:00	29 Jul 2022 16:55	1
HS22070995-19	WG-1620-MW69A-20220719	19 Jul 2022 07:55		29 Jul 2022 09:00	29 Jul 2022 16:57	1
HS22070995-20	WG-1620-MW21C-20220719	19 Jul 2022 09:15		29 Jul 2022 09:00	29 Jul 2022 16:59	1
HS22070995-21	WG-1620-FD01-20220719	19 Jul 2022 09:15		29 Jul 2022 09:00	29 Jul 2022 17:01	1
Batch ID: 181799 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22070995-22	WG-1620-MW27C-20220719	19 Jul 2022 10:25		29 Jul 2022 12:00	01 Aug 2022 15:48	1
HS22070995-23	WG-1620-MW27A-20220719	19 Jul 2022 11:05		29 Jul 2022 12:00	01 Aug 2022 16:10	1
HS22070995-24	WG-1620-MW99C-20220719	19 Jul 2022 12:20		29 Jul 2022 12:00	01 Aug 2022 16:12	1
HS22070995-25	WG-1620-MW54B-20220719	19 Jul 2022 13:10		29 Jul 2022 12:00	01 Aug 2022 16:14	1
Batch ID: R413435 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070995-01	WG-1620-TB04-20220719	17 Jul 2022 00:00			21 Jul 2022 13:55	1
HS22070995-02	WG-1620-FB05-20220717	17 Jul 2022 12:15			21 Jul 2022 14:18	1
HS22070995-03	WG-1620-MW51C-20220717	17 Jul 2022 13:20			21 Jul 2022 18:22	1
HS22070995-04	WG-1620-MW51A-20220717	17 Jul 2022 14:10			21 Jul 2022 18:45	1
HS22070995-05	WG-1620-MW50B-20220717	17 Jul 2022 15:05			21 Jul 2022 19:07	1
HS22070995-08	WG-1620-FB06-20220718	18 Jul 2022 07:00			21 Jul 2022 14:40	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R413503 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070995-06	WG-1620-MW50A-20220717	17 Jul 2022 16:05			21 Jul 2022 22:08	1
HS22070995-07	WG-1620-MW80B-20220717	17 Jul 2022 17:15			21 Jul 2022 23:27	1
HS22070995-09	WG-1620-MW86C-2022071	18 Jul 2022 07:55			21 Jul 2022 23:47	1
HS22070995-10	WG-1620-MW79A-20220718	18 Jul 2022 08:55			22 Jul 2022 04:22	1
HS22070995-11	WG-1620-MW74B-20220718	18 Jul 2022 09:50			22 Jul 2022 05:01	1
HS22070995-12	WG-1620-MW60AR-20220718	18 Jul 2022 11:00			22 Jul 2022 00:06	1
HS22070995-13	WG-1620-MW60B-20220718	18 Jul 2022 11:50			22 Jul 2022 00:26	1
HS22070995-14	WG-1620-MW59B-20220718	18 Jul 2022 12:50			22 Jul 2022 04:02	1
HS22070995-15	WG-1620-MW59A-20220718	18 Jul 2022 13:45			22 Jul 2022 00:45	1
HS22070995-16	WG-1620-MW48C-20220718	18 Jul 2022 14:55			22 Jul 2022 01:05	1
HS22070995-17	WG-1620-MW49B-20220718	18 Jul 2022 16:05			22 Jul 2022 04:41	1
HS22070995-18	WG-1620-MW49A-20220718	18 Jul 2022 17:10			22 Jul 2022 01:25	1
HS22070995-19	WG-1620-MW69A-20220719	19 Jul 2022 07:55			22 Jul 2022 01:44	1
HS22070995-20	WG-1620-MW21C-20220719	19 Jul 2022 09:15			22 Jul 2022 02:04	1
HS22070995-21	WG-1620-FD01-20220719	19 Jul 2022 09:15			22 Jul 2022 02:24	1
HS22070995-22	WG-1620-MW27C-20220719	19 Jul 2022 10:25			22 Jul 2022 02:43	1
HS22070995-23	WG-1620-MW27A-20220719	19 Jul 2022 11:05			22 Jul 2022 03:03	1
HS22070995-24	WG-1620-MW99C-20220719	19 Jul 2022 12:20			22 Jul 2022 03:23	1
HS22070995-25	WG-1620-MW54B-20220719	19 Jul 2022 13:10			22 Jul 2022 03:42	1
Batch ID: R413591 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22070995-10	WG-1620-MW79A-20220718	18 Jul 2022 08:55			23 Jul 2022 01:15	10
HS22070995-11	WG-1620-MW74B-20220718	18 Jul 2022 09:50			23 Jul 2022 02:14	10
HS22070995-17	WG-1620-MW49B-20220718	18 Jul 2022 16:05			23 Jul 2022 02:33	10

WorkOrder: HS22070995
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	0.00125	0.000993	0.000400	0.00200

WorkOrder: HS22070995
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	0.00112	0.000400	0.00200

WorkOrder: HS22070995
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	0.000076	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000040	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000069	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000077	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000073	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000036	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000032	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.000043	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000042	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000040	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000039	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000029	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000070	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00017	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000035	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000042	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000043	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000087	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000093	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000041	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000076	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000046	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: HS22070995
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	0.000065	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000049	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000048	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000059	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000067	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000052	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000025	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.00020	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000053	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000048	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000059	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000050	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000069	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00012	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000055	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000085	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000054	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000045	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000052	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000067	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000077	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000051	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000052	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000070	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000052	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: HS22070995
InstrumentID: VOA11
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	0.00074	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00067	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.0010	0.00071	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00066	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.0014	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0019	0.00030	0.0010
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: HS22070995
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00063	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0017	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181796 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181796** Units: **mg/L** Analysis Date: **29-Jul-2022 15:55**
Client ID: Run ID: **ICPMS07_414019** SeqNo: **6774133** PrepDate: **29-Jul-2022** 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-181796** Units: **mg/L** Analysis Date: **29-Jul-2022 15:57**
Client ID: Run ID: **ICPMS07_414019** SeqNo: **6774134** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05287	0.00200	0.05	0	106	80 - 120				

MS Sample ID: **HS22070995-06MS** Units: **mg/L** Analysis Date: **29-Jul-2022 16:03**
Client ID: **WG-1620-MW50A-20220717** Run ID: **ICPMS07_414019** SeqNo: **6774137** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05435	0.00200	0.05	0.000656	107	80 - 120				

MSD Sample ID: **HS22070995-06MSD** Units: **mg/L** Analysis Date: **29-Jul-2022 16:05**
Client ID: **WG-1620-MW50A-20220717** Run ID: **ICPMS07_414019** SeqNo: **6774138** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05459	0.00200	0.05	0.000656	108	80 - 120	0.05435	0.453	20	

PDS Sample ID: **HS22070995-06PDS** Units: **mg/L** Analysis Date: **29-Jul-2022 16:07**
Client ID: **WG-1620-MW50A-20220717** Run ID: **ICPMS07_414019** SeqNo: **6774139** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1115	0.00200	0.1	0.000656	111	75 - 125				

SD Sample ID: **HS22070995-06SD** Units: **mg/L** Analysis Date: **29-Jul-2022 16:01**
Client ID: **WG-1620-MW50A-20220717** Run ID: **ICPMS07_414019** SeqNo: **6774136** PrepDate: **29-Jul-2022** 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					0.000656	0	10	

The following samples were analyzed in this batch:

HS22070995-02	HS22070995-03	HS22070995-04	HS22070995-05
HS22070995-06	HS22070995-07	HS22070995-08	HS22070995-09
HS22070995-10	HS22070995-11	HS22070995-12	HS22070995-13
HS22070995-14	HS22070995-15	HS22070995-16	HS22070995-17
HS22070995-18	HS22070995-19	HS22070995-20	HS22070995-21

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181799 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181799** Units: **mg/L** Analysis Date: **01-Aug-2022 15:44**
Client ID: Run ID: **ICPMS06_414140** SeqNo: **6780628** PrepDate: **29-Jul-2022** 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-181799** Units: **mg/L** Analysis Date: **01-Aug-2022 15:46**
Client ID: Run ID: **ICPMS06_414140** SeqNo: **6780629** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04698	0.00200	0.05	0	94.0	80 - 120				

MS Sample ID: **HS22070995-22MS** Units: **mg/L** Analysis Date: **01-Aug-2022 15:51**
Client ID: **WG-1620-MW27C-20220719** Run ID: **ICPMS06_414140** SeqNo: **6780632** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04399	0.00200	0.05	-0.00015	88.3	80 - 120				

MSD Sample ID: **HS22070995-22MSD** Units: **mg/L** Analysis Date: **01-Aug-2022 15:53**
Client ID: **WG-1620-MW27C-20220719** Run ID: **ICPMS06_414140** SeqNo: **6780633** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05099	0.00200	0.05	-0.00015	102	80 - 120	0.04399	14.8	20	

PDS Sample ID: **HS22070995-22PDS** Units: **mg/L** Analysis Date: **01-Aug-2022 15:55**
Client ID: **WG-1620-MW27C-20220719** Run ID: **ICPMS06_414140** SeqNo: **6780634** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0919	0.00200	0.1	-0.00015	92.0	75 - 125				

SD Sample ID: **HS22070995-22SD** Units: **mg/L** Analysis Date: **01-Aug-2022 15:49**
Client ID: **WG-1620-MW27C-20220719** Run ID: **ICPMS06_414140** SeqNo: **6780631** PrepDate: **29-Jul-2022** 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					-0.00015	0	10	

The following samples were analyzed in this batch: HS22070995-22 HS22070995-23 HS22070995-24 HS22070995-25

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181453 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181453** Units: **ug/L** Analysis Date: **30-Jul-2022 15:09**
Client ID: Run ID: **SV-8_414125** SeqNo: **6776007** PrepDate: **21-Jul-2022** 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	0.20								
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	*4.768*	*0.20*	*5*	*0*	*95.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*5.126*	*0.20*	*5*	*0*	*103*	*40 - 125*				
Surr: 2-Fluorophenol	*4.394*	*0.20*	*5*	*0*	*87.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*6.393*	*0.20*	*5*	*0*	*128*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.781*	*0.20*	*5*	*0*	*95.6*	*41 - 120*				
Surr: Phenol-d6	*4.393*	*0.20*	*5*	*0*	*87.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181453 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181453** Units: **ug/L** Analysis Date: **30-Jul-2022 15:28**
Client ID: Run ID: **SV-8_414125** SeqNo: **6776008** PrepDate: **21-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.456	0.20	5	0	89.1	39 - 127				
2,4-Dimethylphenol	4.105	0.20	5	0	82.1	35 - 120				
2,4-Dinitrotoluene	5.946	0.20	5	0	119	50 - 122				
2,6-Dinitrotoluene	5.946	0.20	5	0	119	50 - 120				
2-Chloronaphthalene	5.365	0.20	5	0	107	50 - 120				
2-Methylnaphthalene	4.63	0.10	5	0	92.6	50 - 120				
4,6-Dinitro-2-methylphenol	4.449	0.20	5	0	89.0	25 - 121				
4-Nitrophenol	5.182	1.0	5	0	104	30 - 130				
Acenaphthene	5.189	0.10	5	0	104	45 - 120				
Acenaphthylene	5.333	0.10	5	0	107	47 - 120				
Anthracene	5.086	0.10	5	0	102	45 - 120				
Benz(a)anthracene	5.311	0.10	5	0	106	40 - 120				
Benzo(a)pyrene	5.12	0.10	5	0	102	45 - 120				
Bis(2-chloroethoxy)methane	4.647	0.20	5	0	92.9	45 - 120				
Bis(2-ethylhexyl)phthalate	4.588	0.20	5	0	91.8	40 - 139				
Chrysene	4.842	0.10	5	0	96.8	43 - 120				
Dibenzofuran	5.124	0.10	5	0	102	50 - 120				
Di-n-butyl phthalate	5.683	0.20	5	0	114	45 - 123				
Fluoranthene	5.496	0.10	5	0	110	45 - 125				
Fluorene	5.267	0.10	5	0	105	49 - 120				
Naphthalene	4.816	0.10	5	0	96.3	45 - 120				
Nitrobenzene	4.709	0.20	5	0	94.2	44 - 120				
N-Nitrosodiphenylamine	4.809	0.20	5	0	96.2	40 - 125				
Pentachlorophenol	5.289	0.20	5	0	106	19 - 121				
Phenanthrene	4.936	0.10	5	0	98.7	45 - 121				
Phenol	4.566	0.20	5	0	91.3	20 - 124				
Pyrene	4.799	0.10	5	0	96.0	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.987*	*0.20*	*5*	*0*	*99.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*5.302*	*0.20*	*5*	*0*	*106*	*40 - 125*				
Surr: 2-Fluorophenol	*4.284*	*0.20*	*5*	*0*	*85.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.072*	*0.20*	*5*	*0*	*101*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.594*	*0.20*	*5*	*0*	*91.9*	*41 - 120*				
Surr: Phenol-d6	*4.37*	*0.20*	*5*	*0*	*87.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181453 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22070995-06MS** Units: **ug/L** Analysis Date: **01-Aug-2022 13:29**
Client ID: **WG-1620-MW50A-20220717** Run ID: **SV-8_414146** SeqNo: **6781515** PrepDate: **21-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.449	0.20	5	0	89.0	39 - 127				
2,4-Dimethylphenol	4.197	0.20	5	0	83.9	35 - 120				
2,4-Dinitrotoluene	5.703	0.20	5	0	114	50 - 122				
2,6-Dinitrotoluene	5.703	0.20	5	0	114	50 - 120				
2-Chloronaphthalene	4.082	0.20	5	0	81.6	50 - 120				
2-Methylnaphthalene	4.163	0.10	5	0	83.3	50 - 120				
4,6-Dinitro-2-methylphenol	6.504	0.20	5	0	130	25 - 121				S
4-Nitrophenol	5.769	1.0	5	0	115	30 - 130				
Acenaphthene	4.393	0.10	5	0	87.9	45 - 120				
Acenaphthylene	4.126	0.10	5	0	82.5	47 - 120				
Anthracene	5.679	0.10	5	0	114	45 - 120				
Benz(a)anthracene	6.667	0.10	5	0	133	40 - 120				S
Benzo(a)pyrene	7.214	0.10	5	0	144	45 - 120				S
Bis(2-chloroethoxy)methane	4.037	0.20	5	0	80.7	45 - 120				
Bis(2-ethylhexyl)phthalate	7.725	0.20	5	0.04835	154	40 - 139				S
Chrysene	5.997	0.10	5	0	120	43 - 120				
Dibenzofuran	4.34	0.10	5	0	86.8	50 - 120				
Di-n-butyl phthalate	8.544	0.20	5	0	171	45 - 123				S
Fluoranthene	6.814	0.10	5	0	136	45 - 125				S
Fluorene	4.664	0.10	5	0	93.3	49 - 120				
Naphthalene	4.076	0.10	5	0.01745	81.2	45 - 120				
Nitrobenzene	3.9	0.20	5	0	78.0	44 - 120				
N-Nitrosodiphenylamine	5.253	0.20	5	0	105	40 - 125				
Pentachlorophenol	7.791	0.20	5	0.02033	155	19 - 121				S
Phenanthrene	5.605	0.10	5	0	112	45 - 121				
Phenol	4.025	0.20	5	0	80.5	20 - 124				
Pyrene	5.754	0.10	5	0	115	40 - 130				
Surr: 2,4,6-Tribromophenol	*6.345*	*0.20*	*5*	*0*	*127*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.992*	*0.20*	*5*	*0*	*79.8*	*40 - 125*				
Surr: 2-Fluorophenol	*3.676*	*0.20*	*5*	*0*	*73.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*6.097*	*0.20*	*5*	*0*	*122*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.885*	*0.20*	*5*	*0*	*77.7*	*41 - 120*				
Surr: Phenol-d6	*3.71*	*0.20*	*5*	*0*	*74.2*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181453 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22070995-06MSD** Units: **ug/L** Analysis Date: **01-Aug-2022 13:48**
Client ID: **WG-1620-MW50A-20220717** Run ID: **SV-8_414146** SeqNo: **6781516** PrepDate: **21-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.784	0.20	5	0	75.7	39 - 127	4.449	16.1	20	
2,4-Dimethylphenol	3.527	0.20	5	0	70.5	35 - 120	4.197	17.3	20	
2,4-Dinitrotoluene	5.457	0.20	5	0	109	50 - 122	5.703	4.41	20	
2,6-Dinitrotoluene	5.457	0.20	5	0	109	50 - 120	5.703	4.41	20	
2-Chloronaphthalene	3.516	0.20	5	0	70.3	50 - 120	4.082	14.9	20	
2-Methylnaphthalene	3.335	0.10	5	0	66.7	50 - 120	4.163	22.1	20	R
4,6-Dinitro-2-methylphenol	5.69	0.20	5	0	114	25 - 121	6.504	13.4	30	
4-Nitrophenol	5.912	1.0	5	0	118	30 - 130	5.769	2.46	20	
Acenaphthene	3.697	0.10	5	0	73.9	45 - 120	4.393	17.2	20	
Acenaphthylene	3.504	0.10	5	0	70.1	47 - 120	4.126	16.3	20	
Anthracene	5.003	0.10	5	0	100	45 - 120	5.679	12.6	20	
Benz(a)anthracene	6.493	0.10	5	0	130	40 - 120	6.667	2.65	20	S
Benzo(a)pyrene	7.024	0.10	5	0	140	45 - 120	7.214	2.68	20	S
Bis(2-chloroethoxy)methane	3.431	0.20	5	0	68.6	45 - 120	4.037	16.2	20	
Bis(2-ethylhexyl)phthalate	7.621	0.20	5	0.04835	151	40 - 139	7.725	1.34	20	S
Chrysene	5.98	0.10	5	0	120	43 - 120	5.997	0.285	20	
Dibenzofuran	3.728	0.10	5	0	74.6	50 - 120	4.34	15.2	20	
Di-n-butyl phthalate	8.022	0.20	5	0	160	45 - 123	8.544	6.3	20	S
Fluoranthene	6.254	0.10	5	0	125	45 - 125	6.814	8.57	20	S
Fluorene	4.137	0.10	5	0	82.7	49 - 120	4.664	12	20	
Naphthalene	3.331	0.10	5	0.01745	66.3	45 - 120	4.076	20.1	20	R
Nitrobenzene	3.178	0.20	5	0	63.6	44 - 120	3.9	20.4	20	R
N-Nitrosodiphenylamine	4.78	0.20	5	0	95.6	40 - 125	5.253	9.43	20	
Pentachlorophenol	6.964	0.20	5	0.02033	139	19 - 121	7.791	11.2	20	S
Phenanthrene	4.964	0.10	5	0	99.3	45 - 121	5.605	12.1	20	
Phenol	3.275	0.20	5	0	65.5	20 - 124	4.025	20.5	20	R
Pyrene	5.748	0.10	5	0	115	40 - 130	5.754	0.105	20	
Surr: 2,4,6-Tribromophenol	*5.444*	*0.20*	*5*	*0*	*109*	*34 - 129*	*6.345*	*15.3*	*20*	
Surr: 2-Fluorobiphenyl	*3.257*	*0.20*	*5*	*0*	*65.1*	*40 - 125*	*3.992*	*20.3*	*20*	R
Surr: 2-Fluorophenol	*2.921*	*0.20*	*5*	*0*	*58.4*	*20 - 120*	*3.676*	*22.9*	*20*	R
Surr: 4-Terphenyl-d14	*5.943*	*0.20*	*5*	*0*	*119*	*40 - 135*	*6.097*	*2.55*	*20*	
Surr: Nitrobenzene-d5	*3.133*	*0.20*	*5*	*0*	*62.7*	*41 - 120*	*3.885*	*21.4*	*20*	R
Surr: Phenol-d6	*2.949*	*0.20*	*5*	*0*	*59.0*	*20 - 120*	*3.71*	*22.9*	*20*	R

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	HS22070995

QC BATCH REPORT

Batch ID: 181453 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22070995-02	HS22070995-03	HS22070995-04	HS22070995-05
HS22070995-06	HS22070995-07	HS22070995-08	HS22070995-09
HS22070995-10	HS22070995-11	HS22070995-12	HS22070995-13
HS22070995-14	HS22070995-15	HS22070995-16	HS22070995-17
HS22070995-18	HS22070995-19	HS22070995-20	HS22070995-21

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181535 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181535** Units: **ug/L** Analysis Date: **23-Jul-2022 12:09**
Client ID: Run ID: **SV-7_413562** SeqNo: **6764405** PrepDate: **22-Jul-2022** 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	0.20								
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	*3.521*	*0.20*	*5*	*0*	*70.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.348*	*0.20*	*5*	*0*	*67.0*	*40 - 125*				
Surr: 2-Fluorophenol	*2.095*	*0.20*	*5*	*0*	*41.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.435*	*0.20*	*5*	*0*	*88.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.511*	*0.20*	*5*	*0*	*70.2*	*41 - 120*				
Surr: Phenol-d6	*2.424*	*0.20*	*5*	*0*	*48.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181535 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181535** Units: **ug/L** Analysis Date: **23-Jul-2022 12:30**
Client ID: Run ID: **SV-7_413562** SeqNo: **6764406** PrepDate: **22-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.609	0.20	5	0	72.2	39 - 127				
2,4-Dimethylphenol	2.824	0.20	5	0	56.5	35 - 120				
2,4-Dinitrotoluene	3.83	0.20	5	0	76.6	50 - 122				
2,6-Dinitrotoluene	3.549	0.20	5	0	71.0	50 - 120				
2-Chloronaphthalene	3.392	0.20	5	0	67.8	50 - 120				
2-Methylnaphthalene	3.478	0.10	5	0	69.6	50 - 120				
4,6-Dinitro-2-methylphenol	4.672	0.20	5	0	93.4	25 - 121				
4-Nitrophenol	3.86	1.0	5	0	77.2	30 - 130				
Acenaphthene	3.103	0.10	5	0	62.1	45 - 120				
Acenaphthylene	3.151	0.10	5	0	63.0	47 - 120				
Anthracene	4.161	0.10	5	0	83.2	45 - 120				
Benz(a)anthracene	4.384	0.10	5	0	87.7	40 - 120				
Benzo(a)pyrene	3.637	0.10	5	0	72.7	45 - 120				
Bis(2-chloroethoxy)methane	3.04	0.20	5	0	60.8	45 - 120				
Bis(2-ethylhexyl)phthalate	4.249	0.20	5	0	85.0	40 - 139				
Chrysene	5.014	0.10	5	0	100	43 - 120				
Dibenzofuran	3.319	0.10	5	0	66.4	50 - 120				
Di-n-butyl phthalate	4.437	0.20	5	0	88.7	45 - 123				
Fluoranthene	4.643	0.10	5	0	92.9	45 - 125				
Fluorene	3.48	0.10	5	0	69.6	49 - 120				
Naphthalene	3.182	0.10	5	0	63.6	45 - 120				
Nitrobenzene	2.845	0.20	5	0	56.9	44 - 120				
N-Nitrosodiphenylamine	3.672	0.20	5	0	73.4	40 - 125				
Pentachlorophenol	4.611	0.20	5	0	92.2	19 - 121				
Phenanthrene	3.906	0.10	5	0	78.1	45 - 121				
Phenol	3.427	0.20	5	0	68.5	20 - 124				
Pyrene	4.61	0.10	5	0	92.2	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.926*	*0.20*	*5*	*0*	*78.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.057*	*0.20*	*5*	*0*	*61.1*	*40 - 125*				
Surr: 2-Fluorophenol	*2.464*	*0.20*	*5*	*0*	*49.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.759*	*0.20*	*5*	*0*	*95.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.643*	*0.20*	*5*	*0*	*52.9*	*41 - 120*				
Surr: Phenol-d6	*2.874*	*0.20*	*5*	*0*	*57.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: 181535 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-181535** Units: **ug/L** Analysis Date: **23-Jul-2022 12:51**
Client ID: Run ID: **SV-7_413562** SeqNo: **6764407** PrepDate: **22-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.194	0.20	5	0	83.9	39 - 127	3.609	15	20	
2,4-Dimethylphenol	2.928	0.20	5	0	58.6	35 - 120	2.824	3.6	20	
2,4-Dinitrotoluene	4.092	0.20	5	0	81.8	50 - 122	3.83	6.61	20	
2,6-Dinitrotoluene	3.564	0.20	5	0	71.3	50 - 120	3.549	0.411	20	
2-Chloronaphthalene	3.536	0.20	5	0	70.7	50 - 120	3.392	4.17	20	
2-Methylnaphthalene	3.337	0.10	5	0	66.7	50 - 120	3.478	4.15	20	
4,6-Dinitro-2-methylphenol	4.95	0.20	5	0	99.0	25 - 121	4.672	5.79	30	
4-Nitrophenol	3.662	1.0	5	0	73.2	30 - 130	3.86	5.28	20	
Acenaphthene	3.128	0.10	5	0	62.6	45 - 120	3.103	0.812	20	
Acenaphthylene	3.333	0.10	5	0	66.7	47 - 120	3.151	5.59	20	
Anthracene	4.222	0.10	5	0	84.4	45 - 120	4.161	1.45	20	
Benz(a)anthracene	4.467	0.10	5	0	89.3	40 - 120	4.384	1.88	20	
Benzo(a)pyrene	3.705	0.10	5	0	74.1	45 - 120	3.637	1.85	20	
Bis(2-chloroethoxy)methane	3.195	0.20	5	0	63.9	45 - 120	3.04	4.97	20	
Bis(2-ethylhexyl)phthalate	4.766	0.20	5	0	95.3	40 - 139	4.249	11.5	20	
Chrysene	5.446	0.10	5	0	109	43 - 120	5.014	8.26	20	
Dibenzofuran	3.348	0.10	5	0	67.0	50 - 120	3.319	0.852	20	
Di-n-butyl phthalate	4.779	0.20	5	0	95.6	45 - 123	4.437	7.42	20	
Fluoranthene	4.764	0.10	5	0	95.3	45 - 125	4.643	2.58	20	
Fluorene	3.619	0.10	5	0	72.4	49 - 120	3.48	3.91	20	
Naphthalene	3.1	0.10	5	0	62.0	45 - 120	3.182	2.61	20	
Nitrobenzene	2.958	0.20	5	0	59.2	44 - 120	2.845	3.89	20	
N-Nitrosodiphenylamine	3.741	0.20	5	0	74.8	40 - 125	3.672	1.85	20	
Pentachlorophenol	4.396	0.20	5	0	87.9	19 - 121	4.611	4.78	20	
Phenanthrene	4.008	0.10	5	0	80.2	45 - 121	3.906	2.59	20	
Phenol	3.282	0.20	5	0	65.6	20 - 124	3.427	4.32	20	
Pyrene	4.858	0.10	5	0	97.2	40 - 130	4.61	5.25	20	
Surr: 2,4,6-Tribromophenol	*3.564*	*0.20*	*5*	*0*	*71.3*	*34 - 129*	*3.926*	*9.66*	*20*	
Surr: 2-Fluorobiphenyl	*3.151*	*0.20*	*5*	*0*	*63.0*	*40 - 125*	*3.057*	*3.05*	*20*	
Surr: 2-Fluorophenol	*2.335*	*0.20*	*5*	*0*	*46.7*	*20 - 120*	*2.464*	*5.38*	*20*	
Surr: 4-Terphenyl-d14	*4.92*	*0.20*	*5*	*0*	*98.4*	*40 - 135*	*4.759*	*3.32*	*20*	
Surr: Nitrobenzene-d5	*2.919*	*0.20*	*5*	*0*	*58.4*	*41 - 120*	*2.643*	*9.92*	*20*	
Surr: Phenol-d6	*2.68*	*0.20*	*5*	*0*	*53.6*	*20 - 120*	*2.874*	*6.98*	*20*	

The following samples were analyzed in this batch: HS22070995-22 HS22070995-23 HS22070995-24 HS22070995-25

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: R413435 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220721** Units: **ug/L** Analysis Date: **21-Jul-2022 11:18**
Client ID: Run ID: **VOA11_413435** SeqNo: **6757977** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*55.59*	*1.0*	*50*	*0*	*111*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.3*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.68*	*1.0*	*50*	*0*	*97.4*	*73 - 126*				
Surr: Toluene-d8	*52.9*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-220721** Units: **ug/L** Analysis Date: **21-Jul-2022 10:33**
Client ID: Run ID: **VOA11_413435** SeqNo: **6757976** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.7	1.0	20	0	93.5	70 - 124				
Benzene	16.68	1.0	20	0	83.4	74 - 120				
Chlorobenzene	17.52	1.0	20	0	87.6	76 - 113				
Ethylbenzene	16.42	1.0	20	0	82.1	77 - 117				
Methylene chloride	17.85	2.0	20	0	89.3	70 - 127				
Toluene	16.66	1.0	20	0	83.3	77 - 118				
Vinyl chloride	24.08	1.0	20	0	120	70 - 130				
Xylenes, Total	52.43	1.0	60	0	87.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.46*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.84*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.72*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*50.91*	*1.0*	*50*	*0*	*102*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: R413435 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070991-03MS** Units: **ug/L** Analysis Date: **21-Jul-2022 12:03**
Client ID: Run ID: **VOA11_413435** SeqNo: **6758185** 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	25.01	1.0	20	0	125	70 - 127				
Benzene	23.1	1.0	20	0.7945	112	70 - 127				
Chlorobenzene	22.29	1.0	20	0	111	70 - 114				
Ethylbenzene	22.29	1.0	20	0	111	70 - 124				
Methylene chloride	23.45	2.0	20	0	117	70 - 128				
Toluene	22.57	1.0	20	0	113	70 - 123				
Vinyl chloride	35.93	1.0	20	0	180	70 - 130				S
Xylenes, Total	70.17	1.0	60	1.448	115	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.54*	*1.0*	*50*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*54.72*	*1.0*	*50*	*0*	*109*	*77 - 113*				
Surr: Dibromofluoromethane	*52.5*	*1.0*	*50*	*0*	*105*	*77 - 123*				
Surr: Toluene-d8	*51.8*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS22070991-03MSD** Units: **ug/L** Analysis Date: **21-Jul-2022 12:25**
Client ID: Run ID: **VOA11_413435** SeqNo: **6758186** 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	24.52	1.0	20	0	123	70 - 127	25.01	1.97	20	
Benzene	23.05	1.0	20	0.7945	111	70 - 127	23.1	0.209	20	
Chlorobenzene	22.54	1.0	20	0	113	70 - 114	22.29	1.12	20	
Ethylbenzene	22.04	1.0	20	0	110	70 - 124	22.29	1.1	20	
Methylene chloride	24.01	2.0	20	0	120	70 - 128	23.45	2.37	20	
Toluene	22.51	1.0	20	0	113	70 - 123	22.57	0.232	20	
Vinyl chloride	33.57	1.0	20	0	168	70 - 130	35.93	6.81	20	S
Xylenes, Total	70.67	1.0	60	1.448	115	70 - 130	70.17	0.707	20	
Surr: 1,2-Dichloroethane-d4	*57*	*1.0*	*50*	*0*	*114*	*70 - 126*	*56.54*	*0.809*	*20*	
Surr: 4-Bromofluorobenzene	*52.72*	*1.0*	*50*	*0*	*105*	*77 - 113*	*54.72*	*3.72*	*20*	
Surr: Dibromofluoromethane	*52.44*	*1.0*	*50*	*0*	*105*	*77 - 123*	*52.5*	*0.109*	*20*	
Surr: Toluene-d8	*52.1*	*1.0*	*50*	*0*	*104*	*82 - 127*	*51.8*	*0.58*	*20*	

The following samples were analyzed in this batch: HS22070995-01 HS22070995-02 HS22070995-03 HS22070995-04 HS22070995-05 HS22070995-08

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: R413503 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220721** Units: **ug/L** Analysis Date: **21-Jul-2022 21:49**
Client ID: Run ID: **VOA7_413503** SeqNo: **6759545** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*51.77*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.66*	*1.0*	*50*	*0*	*97.3*	*77 - 113*				
Surr: Dibromofluoromethane	*50.74*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*52.18*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-220721** Units: **ug/L** Analysis Date: **21-Jul-2022 21:09**
Client ID: Run ID: **VOA7_413503** SeqNo: **6759544** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.89	1.0	20	0	89.5	70 - 124				
Benzene	19.91	1.0	20	0	99.5	74 - 120				
Chlorobenzene	19.18	1.0	20	0	95.9	76 - 113				
Ethylbenzene	19.33	1.0	20	0	96.7	77 - 117				
Methylene chloride	20.17	2.0	20	0	101	70 - 127				
Toluene	19.58	1.0	20	0	97.9	77 - 118				
Xylenes, Total	59.17	1.0	60	0	98.6	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.33*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.46*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*52.71*	*1.0*	*50*	*0*	*105*	*73 - 126*				
Surr: Toluene-d8	*51.87*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: R413503 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22070995-06MS** Units: **ug/L** Analysis Date: **21-Jul-2022 22:28**
Client ID: **WG-1620-MW50A-20220717** Run ID: **VOA7_413503** SeqNo: **6759547** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.41	1.0	20	0	112	70 - 127				
Benzene	24.37	1.0	20	0	122	70 - 127				
Chlorobenzene	23.36	1.0	20	0	117	70 - 114				S
Ethylbenzene	23.82	1.0	20	0	119	70 - 124				
Methylene chloride	23.19	2.0	20	0	116	70 - 128				
Toluene	24.14	1.0	20	0	121	70 - 123				
Xylenes, Total	72.93	1.0	60	0	122	70 - 130				
Surr: 1,2-Dichloroethane-d4	*53.05*	*1.0*	*50*	*0*	*106*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.84*	*1.0*	*50*	*0*	*99.7*	*77 - 113*				
Surr: Dibromofluoromethane	*50.56*	*1.0*	*50*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*52.49*	*1.0*	*50*	*0*	*105*	*82 - 127*				

MSD Sample ID: **HS22070995-06MSD** Units: **ug/L** Analysis Date: **21-Jul-2022 22:48**
Client ID: **WG-1620-MW50A-20220717** Run ID: **VOA7_413503** SeqNo: **6759548** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.75	1.0	20	0	114	70 - 127	22.41	1.51	20	
Benzene	24.56	1.0	20	0	123	70 - 127	24.37	0.784	20	
Chlorobenzene	23.79	1.0	20	0	119	70 - 114	23.36	1.82	20	S
Ethylbenzene	24.18	1.0	20	0	121	70 - 124	23.82	1.47	20	
Methylene chloride	23.51	2.0	20	0	118	70 - 128	23.19	1.38	20	
Toluene	24.31	1.0	20	0	122	70 - 123	24.14	0.716	20	
Xylenes, Total	73.62	1.0	60	0	123	70 - 130	72.93	0.942	20	
Surr: 1,2-Dichloroethane-d4	*52.41*	*1.0*	*50*	*0*	*105*	*70 - 126*	*53.05*	*1.22*	*20*	
Surr: 4-Bromofluorobenzene	*49.98*	*1.0*	*50*	*0*	*100.0*	*77 - 113*	*49.84*	*0.28*	*20*	
Surr: Dibromofluoromethane	*51.33*	*1.0*	*50*	*0*	*103*	*77 - 123*	*50.56*	*1.52*	*20*	
Surr: Toluene-d8	*51.41*	*1.0*	*50*	*0*	*103*	*82 - 127*	*52.49*	*2.07*	*20*	

The following samples were analyzed in this batch:

HS22070995-06	HS22070995-07	HS22070995-09	HS22070995-10
HS22070995-11	HS22070995-12	HS22070995-13	HS22070995-14
HS22070995-15	HS22070995-16	HS22070995-17	HS22070995-18
HS22070995-19	HS22070995-20	HS22070995-21	HS22070995-22
HS22070995-23	HS22070995-24	HS22070995-25	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: R413591 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220722** Units: **ug/L** Analysis Date: **23-Jul-2022 00:55**
Client ID: Run ID: **VOA7_413591** SeqNo: **6761711** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.20	1.0								
Toluene	< 0.20	1.0								
Surr: 1,2-Dichloroethane-d4	*52.69*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.47*	*1.0*	*50*	*0*	*98.9*	*77 - 113*				
Surr: Dibromofluoromethane	*50.55*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*52.46*	*1.0*	*50*	*0*	*105*	*81 - 120*				

LCS Sample ID: **VLCSW-220722** Units: **ug/L** Analysis Date: **23-Jul-2022 00:16**
Client ID: Run ID: **VOA7_413591** SeqNo: **6761710** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.69	1.0	20	0	98.5	74 - 120				
Toluene	19.26	1.0	20	0	96.3	77 - 118				
Surr: 1,2-Dichloroethane-d4	*54.11*	*1.0*	*50*	*0*	*108*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.21*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*51.91*	*1.0*	*50*	*0*	*104*	*73 - 126*				
Surr: Toluene-d8	*51.71*	*1.0*	*50*	*0*	*103*	*81 - 120*				

MS Sample ID: **HS22070995-10MS** Units: **ug/L** Analysis Date: **23-Jul-2022 01:34**
Client ID: **WG-1620-MW79A-20220718** Run ID: **VOA7_413591** SeqNo: **6761713** PrepDate: DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	502.4	10	200	286.7	108	70 - 127				
Toluene	597.7	10	200	386	106	70 - 123				
Surr: 1,2-Dichloroethane-d4	*539.8*	*10*	*500*	*0*	*108*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*508.4*	*10*	*500*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*521.5*	*10*	*500*	*0*	*104*	*77 - 123*				
Surr: Toluene-d8	*515.4*	*10*	*500*	*0*	*103*	*82 - 127*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22070995

QC BATCH REPORT

Batch ID: R413591 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22070995-10MSD** Units: **ug/L** Analysis Date: **23-Jul-2022 01:54**
Client ID: **WG-1620-MW79A-20220718** Run ID: **VOA7_413591** SeqNo: **6761714** PrepDate: DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	504.5	10	200	286.7	109	70 - 127	502.4	0.419	20	
Toluene	609.9	10	200	386	112	70 - 123	597.7	2.02	20	
Surr: 1,2-Dichloroethane-d4	*524.9*	*10*	*500*	*0*	*105*	*70 - 126*	*539.8*	*2.8*	*20*	
Surr: 4-Bromofluorobenzene	*502.9*	*10*	*500*	*0*	*101*	*77 - 113*	*508.4*	*1.09*	*20*	
Surr: Dibromofluoromethane	*514.2*	*10*	*500*	*0*	*103*	*77 - 123*	*521.5*	*1.41*	*20*	
Surr: Toluene-d8	*517.7*	*10*	*500*	*0*	*104*	*82 - 127*	*515.4*	*0.439*	*20*	

The following samples were analyzed in this batch: HS22070995-10 HS22070995-11 HS22070995-17

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22070995**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023

Sample Receipt Checklist

Work Order ID: HS22070995 **Date/Time Received:** **20-Jul-2022 11:25**

Client Name: PBW **Received by:** **Corey Grandits**

Completed By:	/S/ Paresh M. Giga	20-Jul-2022 16:18	**Reviewed by:**	/S/ Dane J. Wacasey	29-Jul-2022 12:19
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** 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 ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:275056/274820/247817
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):	2.1C/2.6C; 3.4C/3.9c; 1.9C/2.4C; 3.5C/4.0C; 2.9C/3.4C;2.3C/2.8C U/C	IR31
Cooler(s)/Kit(s):	49398/46442/47927/49148/49254/48146	
Date/Time sample(s) sent to storage:	7/20/22 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: WG-1620-MW80B - no additonal volume received for MS/MSD (marked on COC)

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Spring City, PA +1 610 948 4903
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
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Chain of Custody Form

COC ID: 275056

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
Work Order		Project Number	1620-01-Rev0 SR 92688	B	8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	MS/MSD
				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_Matzner@golder.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H
1	WG-1620-TB-04-20220719			Water	1	2	X							
2	WG-1620-FB05-20220717	7-17-22	1215	W		6	X		X	X				
3	WG-1620-MW51C-20220717		1320	W		6	X		X	X				
4	WG-1620-MW51A-20220717		1410	W		6	X		X	X				
5	WG-1620-MW50B-20220717		1505	W		6	X		X	X				
6	WG-1620-MW50A-20220717		1605	W		12	X		X	X	X			
7	WG-1620-MW80B-20220717		1715	W		6	X		X	X	X			
8	WG-1620-FB06-20220718	7-18-22	0700	W		6	X		X	X				
9	WG-1620-MW86C-20220718		0755	W		6	X		X	X				
10	WG-1620-MW79A-20220718		0855	W		6	X		X	X				

HS2270995
Houston TX-Wood Preserving Works
WSP Golder

Sampler(s) Please Print & Sign: JOHN GRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hou ☐ Other

Results Due Date:

Relinquished by: Date: 7-20-22 Time: 1125 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 7-20-22 1125

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
44345	2.1°C
46442	3.4°C
47927	1.9°C

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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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

COC ID: 274820

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
Work Order		Project Number	1620-01-Rev1 SR 92688	B	8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P	C	8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	ICP_TW (5636002 Metals - As) [120ml PI HNO3]
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		J	

HS2270995

WSP Golder
Houston TX-Wood Preserving Works

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G
1	~~WG-1620-TB-2022~~			Water	1,8	2							
2	WG-1620-MW74B-20220718	7-18-22	0950	Groundwa	1,2,8	6	X		X	X			
3	WG-1620-MW60AR-20220718		1100	W		6	X		X	X			
4	WG-1620-MW60B-20220718		1150	W		6	X		X	X			
5	WG-1620-MW59B-20220718		1250	W		6	X		X	X			
6	WG-1620-MW59A-20220718		1345	W		6	X		X	X			
7	WG-1620-MW48C-20220718		1455	W		6	X		X	X			
8	WG-1620-MW49B-20220718		1605	W		6	X		X	X			
9	WG-1620-MW49A-20220718		1710	W		6	X		X	X			
10	WG-1620-MW69A-20220719	7-19-22	0755	W		6	X		X	X			

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☐ Other ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Date: 7-20-22 Time: 1125 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 7-20-22 1125

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
491143	3.5°C
442541	2.4°C
491196	2.3

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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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 3 of 3

COC ID: 274817

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
Work Order		Project Number	1620-01-Rev1 SR 92688	B	8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P	C	8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	Id
1	~~WG-1620-TB -2022~~			Water	1,8	2								
2	WG-1620-MW21C-20220719	7-19-22	0915	Groundwa	1,2,8	6	X		X	X				
3	WG-1620-FD01-20220719		0915	W		6	X		X	X				
4	WG-1620-MW27C-20220719		1025	W		6	X		X	X				
5	WG-1620-MW27A-20220719		1105	W		6	X		X	X				
6	WG-1620-MW99C-20220719		1220	W		6	X		X	X				
7	WG-1620-MW54B-20220719		1310	W		6	X		X	X				
8														
9														
10														

HS2207095
WSP Golder
Houston TX-Wood Preserving Works

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☐ Other ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: | Date: 7-20-22 | Time: 1125 | Received by:

Relinquished by: | Date: | Time: | Received by (Laboratory): LORET G 7-20-22 1125

Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
1021	
UPRR	

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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August 04, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22071068**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 15 sample(s) on Jul 21, 2022 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
Dane J. Wacasey

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22071068**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22071068**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/04/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071068					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181588,181818,R413543,R413590,R413625,R413630					
#[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					
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 effects 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: 08/04/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071068					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181588,181818,R413543,R413590,R413625,R413630					
#[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: 08/04/2022
Project Name: Houston TX-Wood Preserving Works		Laboratory Job Number: HS22071068
Reviewer Name: Dane Wacasey		Prep Batch Number(s): 181588,181818,R413543,R413590,R413625,R413630
ER#[5]	**Description**	
1	Semivolatile Organics Method SW8270, samples WG-1620-MW68B-20220719, WG-1620-MW33BR-20220719, WG-1620-MW83B-20220720, WG-1620-FD02-20220720, the surrogate recoveries could not be determined due to dilution below the calibration range. Semivolatile Organics Method SW8270 sample WG-1620-MW35B-20220720, surrogate 4-Terphenyl-d14 recovered above the control limit due to matrix interference.	
2	Batch 181588, Semivolatile Organics Method SW8270, sample WG-1620-MW28C-20220720, MSD recovered outside the control limit for Benz(a)anthracene, Chrysene due to possible matrix effect. Batch R413543, Volatile Organics Method SW8260, sample WG-1620-MW28C-20220720, MS and MSD recovered outside the control limit for Vinyl chloride due to possible matrix effect. Batch R413630, Volatile Organics Method SW8260, sample HS22071114-01, MS and MSD were performed on unrelated sample	
3	Batch 181588, Semivolatile Organics Method SW8270, sample WG-1620-MW68B-20220719 , the GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.	
4	Batch 181588, Semivolatile Organics Method SW8270, sample WG-1620-MW68B-20220719：Low area counts for internal standards 1, 4-Dichlorobenzene, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 due to matrix effect. Confirmed by reanalysis. Batch 181588, Semivolatile Organics Method SW8270, sample WG-1620-MW83B-20220720: Low area counts for internal standards 1, 4-Dichlorobenzene, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 due to matrix effect. Confirmed by reanalysis.	

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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22071068

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22071068-01	WG-1620-MW68A-20220719	Groundwater		19-Jul-2022 14:15	21-Jul-2022 11:30	☐
HS22071068-02	WG-1620-MW68B-20220719	Groundwater		19-Jul-2022 15:00	21-Jul-2022 11:30	☐
HS22071068-03	WG-1620-MW68C-20220719	Groundwater		19-Jul-2022 15:50	21-Jul-2022 11:30	☐
HS22071068-04	WG-1620-MW33BR-20220719	Groundwater		19-Jul-2022 16:55	21-Jul-2022 11:30	☐
HS22071068-05	WG-1620-FB07-20220719	Water		19-Jul-2022 17:20	21-Jul-2022 11:30	☐
HS22071068-06	WG-1620-FB08-20220720	Water		20-Jul-2022 07:05	21-Jul-2022 11:30	☐
HS22071068-07	WG-1620-MW26A-20220720	Groundwater		20-Jul-2022 08:05	21-Jul-2022 11:30	☐
HS22071068-08	WG-1620-MW83C-20220720	Groundwater		20-Jul-2022 09:00	21-Jul-2022 11:30	☐
HS22071068-09	WG-1620-MW83B-20220720	Groundwater		20-Jul-2022 09:50	21-Jul-2022 11:30	☐
HS22071068-10	WG-1620-FD02-20220720	Water		20-Jul-2022 09:50	21-Jul-2022 11:30	☐
HS22071068-11	WG-1620-MW35B-20220720	Groundwater		20-Jul-2022 10:55	21-Jul-2022 11:30	☐
HS22071068-12	WG-1620-MW35A-20220720	Groundwater		20-Jul-2022 12:55	21-Jul-2022 11:30	☐
HS22071068-13	WG-1620-MW28C-20220720	Groundwater		20-Jul-2022 14:05	21-Jul-2022 11:30	☐
HS22071068-14	WG-1620-MW28A-20220720	Groundwater		20-Jul-2022 15:00	21-Jul-2022 11:30	☐
HS22071068-15	WG-1620-MW89B-20220720	Groundwater		20-Jul-2022 16:00	21-Jul-2022 11:30	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68A-20220719
Collection Date: 19-Jul-2022 14:15

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-01
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	23-Jul-2022 06:13
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 06:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 06:13
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 06:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 06:13
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 06:13
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 06:13
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*23-Jul-2022 06:13*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*23-Jul-2022 06:13*
Surr: Dibromofluoromethane	*98.9*			*77-123*	*%REC*	*1*	*23-Jul-2022 06:13*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*23-Jul-2022 06:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68A-20220719
Collection Date: 19-Jul-2022 14:15

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 15:05
2,4-Dimethylphenol	**0.000099**	J	**0.000040**	**0.00020**	**mg/L**	1	30-Jul-2022 15:05
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 15:05
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 15:05
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 15:05
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 15:05
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 15:05
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 15:05
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 15:05
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 15:05
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 15:05
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 15:05
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 15:05
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 15:05
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 15:05
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 15:05
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 15:05
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 15:05
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 15:05
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 15:05
Naphthalene	**0.000035**	J	**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 15:05
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 15:05
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 15:05
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 15:05
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 15:05
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 15:05
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 15:05
Surr: 2,4,6-Tribromophenol	*46.7*			*34-129*	*%REC*	*1*	*30-Jul-2022 15:05*
Surr: 2-Fluorobiphenyl	*50.3*			*40-125*	*%REC*	*1*	*30-Jul-2022 15:05*
Surr: 2-Fluorophenol	*48.2*			*20-120*	*%REC*	*1*	*30-Jul-2022 15:05*
Surr: 4-Terphenyl-d14	*62.0*			*40-135*	*%REC*	*1*	*30-Jul-2022 15:05*
Surr: Nitrobenzene-d5	*51.2*			*41-120*	*%REC*	*1*	*30-Jul-2022 15:05*
Surr: Phenol-d6	*56.5*			*20-120*	*%REC*	*1*	*30-Jul-2022 15:05*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.0359**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68B-20220719
Collection Date: 19-Jul-2022 15:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-02
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	23-Jul-2022 03:13
Benzene	**0.13**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 03:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 03:13
Ethylbenzene	**0.066**		**0.00030**	**0.0010**	**mg/L**	1	23-Jul-2022 03:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 03:13
Toluene	**0.046**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 03:13
Xylenes, Total	**0.40**		**0.00030**	**0.0010**	**mg/L**	1	23-Jul-2022 03:13
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*23-Jul-2022 03:13*
Surr: 4-Bromofluorobenzene	*107*			*77-113*	*%REC*	*1*	*23-Jul-2022 03:13*
Surr: Dibromofluoromethane	*99.1*			*77-123*	*%REC*	*1*	*23-Jul-2022 03:13*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*23-Jul-2022 03:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68B-20220719
Collection Date: 19-Jul-2022 15:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	30-Jul-2022 15:27
2,4-Dimethylphenol	**0.046**		**0.00040**	**0.0020**	**mg/L**	10	30-Jul-2022 15:27
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	30-Jul-2022 15:27
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	30-Jul-2022 15:27
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	30-Jul-2022 15:27
2-Methylnaphthalene	**0.69**		**0.0019**	**0.010**	**mg/L**	100	01-Aug-2022 14:34
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.0020	mg/L	10	30-Jul-2022 15:27
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	30-Jul-2022 15:27
Acenaphthene	**0.25**		**0.0027**	**0.010**	**mg/L**	100	01-Aug-2022 14:34
Acenaphthylene	**0.0025**		**0.00015**	**0.0010**	**mg/L**	10	30-Jul-2022 15:27
Anthracene	**0.055**		**0.00014**	**0.0010**	**mg/L**	10	30-Jul-2022 15:27
Benz(a)anthracene	**0.011**		**0.00050**	**0.0010**	**mg/L**	10	30-Jul-2022 15:27
Benzo(a)pyrene	**0.0032**		**0.00020**	**0.0010**	**mg/L**	10	30-Jul-2022 15:27
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	30-Jul-2022 15:27
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	30-Jul-2022 15:27
Chrysene	**0.010**		**0.00021**	**0.0010**	**mg/L**	10	30-Jul-2022 15:27
Dibenzofuran	**0.28**		**0.0020**	**0.010**	**mg/L**	100	01-Aug-2022 14:34
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	30-Jul-2022 15:27
Fluoranthene	**0.083**		**0.00010**	**0.0010**	**mg/L**	10	30-Jul-2022 15:27
Fluorene	**0.18**		**0.0030**	**0.010**	**mg/L**	100	01-Aug-2022 14:34
Naphthalene	**4.9**		**0.020**	**0.10**	**mg/L**	1000	01-Aug-2022 14:55
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	30-Jul-2022 15:27
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	30-Jul-2022 15:27
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	30-Jul-2022 15:27
Phenanthrene	**0.40**		**0.0021**	**0.010**	**mg/L**	100	01-Aug-2022 14:34
Phenol	**0.0021**		**0.00035**	**0.0020**	**mg/L**	10	30-Jul-2022 15:27
Pyrene	**0.055**		**0.00019**	**0.0010**	**mg/L**	10	30-Jul-2022 15:27
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*01-Aug-2022 14:55*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*01-Aug-2022 14:34*
Surr: 2,4,6-Tribromophenol	*84.2*			*34-129*	*%REC*	*10*	*30-Jul-2022 15:27*
Surr: 2-Fluorobiphenyl	*74.5*			*40-125*	*%REC*	*10*	*30-Jul-2022 15:27*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*01-Aug-2022 14:34*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*01-Aug-2022 14:55*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*01-Aug-2022 14:55*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 14:34*
Surr: 2-Fluorophenol	*58.0*			*20-120*	*%REC*	*10*	*30-Jul-2022 15:27*
Surr: 4-Terphenyl-d14	*120*			*40-135*	*%REC*	*10*	*30-Jul-2022 15:27*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*01-Aug-2022 14:34*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*01-Aug-2022 14:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68B-20220719
Collection Date: 19-Jul-2022 15:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
Surr: Nitrobenzene-d5	*84.6*			*41-120*	*%REC*	*10*	*30-Jul-2022 15:27*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*01-Aug-2022 14:34*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*01-Aug-2022 14:55*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 14:34*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*01-Aug-2022 14:55*
Surr: Phenol-d6	*73.8*			*20-120*	*%REC*	*10*	*30-Jul-2022 15:27*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.00957**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68C-20220719
Collection Date: 19-Jul-2022 15:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-03
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	24-Jul-2022 02:55
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 02:55
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 02:55
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 02:55
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 02:55
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 02:55
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 02:55
Surr: 1,2-Dichloroethane-d4	*119*			*70-126*	*%REC*	*1*	*24-Jul-2022 02:55*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*24-Jul-2022 02:55*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*24-Jul-2022 02:55*
Surr: Toluene-d8	*108*			*82-127*	*%REC*	*1*	*24-Jul-2022 02:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW68C-20220719
Collection Date: 19-Jul-2022 15:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 15:48
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 15:48
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 15:48
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 15:48
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 15:48
2-Methylnaphthalene	**0.000079**	J	**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 15:48
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 15:48
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 15:48
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 15:48
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 15:48
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 15:48
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 15:48
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 15:48
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 15:48
Bis(2-ethylhexyl)phthalate	**0.000091**	J	**0.000037**	**0.00020**	**mg/L**	1	30-Jul-2022 15:48
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 15:48
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 15:48
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 15:48
Fluoranthene	**0.000030**	J	**0.000010**	**0.00010**	**mg/L**	1	30-Jul-2022 15:48
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 15:48
Naphthalene	**0.00034**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 15:48
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 15:48
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 15:48
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 15:48
Phenanthrene	**0.000082**	J	**0.000021**	**0.00010**	**mg/L**	1	30-Jul-2022 15:48
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 15:48
Pyrene	**0.000035**	J	**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 15:48
Surr: 2,4,6-Tribromophenol	*54.4*			*34-129*	*%REC*	*1*	*30-Jul-2022 15:48*
Surr: 2-Fluorobiphenyl	*57.4*			*40-125*	*%REC*	*1*	*30-Jul-2022 15:48*
Surr: 2-Fluorophenol	*55.7*			*20-120*	*%REC*	*1*	*30-Jul-2022 15:48*
Surr: 4-Terphenyl-d14	*72.7*			*40-135*	*%REC*	*1*	*30-Jul-2022 15:48*
Surr: Nitrobenzene-d5	*57.8*			*41-120*	*%REC*	*1*	*30-Jul-2022 15:48*
Surr: Phenol-d6	*66.0*			*20-120*	*%REC*	*1*	*30-Jul-2022 15:48*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.000587**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33BR-20220719
Collection Date: 19-Jul-2022 16:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-04
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	22-Jul-2022 15:13
Benzene	**0.36**		**0.0020**	**0.010**	**mg/L**	10	24-Jul-2022 01:48
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 15:13
Ethylbenzene	**0.10**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 15:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 15:13
Toluene	**0.0083**		**0.00020**	**0.0010**	**mg/L**	1	22-Jul-2022 15:13
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 15:13
Xylenes, Total	**0.035**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2022 15:13
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*22-Jul-2022 15:13*
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*10*	*24-Jul-2022 01:48*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*22-Jul-2022 15:13*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*10*	*24-Jul-2022 01:48*
Surr: Dibromofluoromethane	*96.7*			*77-123*	*%REC*	*1*	*22-Jul-2022 15:13*
Surr: Dibromofluoromethane	*99.2*			*77-123*	*%REC*	*10*	*24-Jul-2022 01:48*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*22-Jul-2022 15:13*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*10*	*24-Jul-2022 01:48*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33BR-20220719
Collection Date: 19-Jul-2022 16:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 16:10
2,4-Dimethylphenol	**0.00026**		**0.000040**	**0.00020**	**mg/L**	1	30-Jul-2022 16:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 16:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 16:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 16:10
2-Methylnaphthalene	**0.052**		**0.00019**	**0.0010**	**mg/L**	10	01-Aug-2022 15:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 16:10
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 16:10
Acenaphthene	**0.0098**		**0.000027**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Acenaphthylene	**0.00015**		**0.000015**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Anthracene	**0.00085**		**0.000014**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Benz(a)anthracene	**0.00012**		**0.000050**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Benzo(a)pyrene	**0.000077**	J	**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 16:10
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 16:10
Chrysene	**0.00010**		**0.000021**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Dibenzofuran	**0.022**		**0.00020**	**0.0010**	**mg/L**	10	01-Aug-2022 15:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 16:10
Fluoranthene	**0.00039**		**0.000010**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Fluorene	**0.0054**		**0.000030**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Naphthalene	**0.88**		**0.020**	**0.10**	**mg/L**	1000	01-Aug-2022 17:49
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 16:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 16:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 16:10
Phenanthrene	**0.0073**		**0.000021**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Phenol	**0.00023**		**0.000035**	**0.00020**	**mg/L**	1	30-Jul-2022 16:10
Pyrene	**0.00025**		**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 16:10
Surr: 2,4,6-Tribromophenol	*122*			*34-129*	*%REC*	*10*	*01-Aug-2022 15:17*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*01-Aug-2022 17:49*
Surr: 2,4,6-Tribromophenol	*56.0*			*34-129*	*%REC*	*1*	*30-Jul-2022 16:10*
Surr: 2-Fluorobiphenyl	*42.2*			*40-125*	*%REC*	*1*	*30-Jul-2022 16:10*
Surr: 2-Fluorobiphenyl	*67.5*			*40-125*	*%REC*	*10*	*01-Aug-2022 15:17*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*01-Aug-2022 17:49*
Surr: 2-Fluorophenol	*62.1*			*20-120*	*%REC*	*10*	*01-Aug-2022 15:17*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*01-Aug-2022 17:49*
Surr: 2-Fluorophenol	*47.3*			*20-120*	*%REC*	*1*	*30-Jul-2022 16:10*
Surr: 4-Terphenyl-d14	*81.8*			*40-135*	*%REC*	*1*	*30-Jul-2022 16:10*
Surr: 4-Terphenyl-d14	*141*	*S*		*40-135*	*%REC*	*10*	*01-Aug-2022 15:17*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*01-Aug-2022 17:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33BR-20220719
Collection Date: 19-Jul-2022 16:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*01-Aug-2022 17:49*
Surr: Nitrobenzene-d5	*77.6*			*41-120*	*%REC*	*10*	*01-Aug-2022 15:17*
Surr: Nitrobenzene-d5	*82.7*			*41-120*	*%REC*	*1*	*30-Jul-2022 16:10*
Surr: Phenol-d6	*50.2*			*20-120*	*%REC*	*1*	*30-Jul-2022 16:10*
Surr: Phenol-d6	*54.8*			*20-120*	*%REC*	*10*	*01-Aug-2022 15:17*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*01-Aug-2022 17:49*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.000904**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB07-20220719
Collection Date: 19-Jul-2022 17:20

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-05
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	22-Jul-2022 11:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 11:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 11:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 11:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 11:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 11:50
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 11:50
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 11:50
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*22-Jul-2022 11:50*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*22-Jul-2022 11:50*
Surr: Dibromofluoromethane	*99.1*			*77-123*	*%REC*	*1*	*22-Jul-2022 11:50*
Surr: Toluene-d8	*110*			*82-127*	*%REC*	*1*	*22-Jul-2022 11:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB07-20220719
Collection Date: 19-Jul-2022 17:20

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 16:32
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 16:32
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 16:32
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 16:32
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 16:32
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 16:32
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 16:32
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 16:32
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 16:32
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 16:32
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 16:32
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 16:32
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 16:32
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 16:32
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 16:32
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 16:32
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 16:32
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 16:32
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 16:32
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 16:32
Naphthalene	**0.00011**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 16:32
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 16:32
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 16:32
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 16:32
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 16:32
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 16:32
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 16:32
Surr: 2,4,6-Tribromophenol	*55.9*			*34-129*	*%REC*	*1*	*30-Jul-2022 16:32*
Surr: 2-Fluorobiphenyl	*70.8*			*40-125*	*%REC*	*1*	*30-Jul-2022 16:32*
Surr: 2-Fluorophenol	*62.5*			*20-120*	*%REC*	*1*	*30-Jul-2022 16:32*
Surr: 4-Terphenyl-d14	*83.3*			*40-135*	*%REC*	*1*	*30-Jul-2022 16:32*
Surr: Nitrobenzene-d5	*70.6*			*41-120*	*%REC*	*1*	*30-Jul-2022 16:32*
Surr: Phenol-d6	*71.6*			*20-120*	*%REC*	*1*	*30-Jul-2022 16:32*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	30-Jul-2022 00:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB08-20220720
Collection Date: 20-Jul-2022 07:05

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 00:13
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 00:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 00:13
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 00:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 00:13
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 00:13
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 00:13
Surr: 1,2-Dichloroethane-d4	*114*			*70-126*	*%REC*	*1*	*23-Jul-2022 00:13*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*23-Jul-2022 00:13*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*23-Jul-2022 00:13*
Surr: Toluene-d8	*108*			*82-127*	*%REC*	*1*	*23-Jul-2022 00:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB08-20220720
Collection Date: 20-Jul-2022 07:05

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 16:53
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 16:53
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 16:53
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 16:53
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 16:53
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 16:53
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 16:53
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 16:53
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 16:53
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 16:53
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 16:53
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 16:53
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 16:53
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 16:53
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 16:53
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 16:53
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 16:53
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 16:53
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 16:53
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 16:53
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 16:53
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 16:53
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 16:53
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 16:53
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 16:53
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 16:53
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 16:53
Surr: 2,4,6-Tribromophenol	*75.5*			*34-129*	*%REC*	*1*	*30-Jul-2022 16:53*
Surr: 2-Fluorobiphenyl	*95.2*			*40-125*	*%REC*	*1*	*30-Jul-2022 16:53*
Surr: 2-Fluorophenol	*78.1*			*20-120*	*%REC*	*1*	*30-Jul-2022 16:53*
Surr: 4-Terphenyl-d14	*117*			*40-135*	*%REC*	*1*	*30-Jul-2022 16:53*
Surr: Nitrobenzene-d5	*97.2*			*41-120*	*%REC*	*1*	*30-Jul-2022 16:53*
Surr: Phenol-d6	*89.8*			*20-120*	*%REC*	*1*	*30-Jul-2022 16:53*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	30-Jul-2022 00:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW26A-20220720
Collection Date: 20-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 03:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 03:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 03:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 03:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 03:18
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 03:18
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 03:18
Surr: 1,2-Dichloroethane-d4	*117*			*70-126*	*%REC*	*1*	*24-Jul-2022 03:18*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*24-Jul-2022 03:18*
Surr: Dibromofluoromethane	*99.9*			*77-123*	*%REC*	*1*	*24-Jul-2022 03:18*
Surr: Toluene-d8	*108*			*82-127*	*%REC*	*1*	*24-Jul-2022 03:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW26A-20220720
Collection Date: 20-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 17:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 17:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 17:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 17:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 17:15
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 17:15
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 17:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 17:15
Acenaphthene	**0.00011**		**0.000027**	**0.00010**	**mg/L**	1	30-Jul-2022 17:15
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 17:15
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 17:15
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 17:15
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 17:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 17:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 17:15
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 17:15
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 17:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 17:15
Fluoranthene	**0.00021**		**0.000010**	**0.00010**	**mg/L**	1	30-Jul-2022 17:15
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 17:15
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 17:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 17:15
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 17:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 17:15
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 17:15
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 17:15
Pyrene	**0.000099**	J	**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 17:15
Surr: 2,4,6-Tribromophenol	*79.9*			*34-129*	*%REC*	*1*	*30-Jul-2022 17:15*
Surr: 2-Fluorobiphenyl	*75.4*			*40-125*	*%REC*	*1*	*30-Jul-2022 17:15*
Surr: 2-Fluorophenol	*68.7*			*20-120*	*%REC*	*1*	*30-Jul-2022 17:15*
Surr: 4-Terphenyl-d14	*95.6*			*40-135*	*%REC*	*1*	*30-Jul-2022 17:15*
Surr: Nitrobenzene-d5	*77.5*			*41-120*	*%REC*	*1*	*30-Jul-2022 17:15*
Surr: Phenol-d6	*70.3*			*20-120*	*%REC*	*1*	*30-Jul-2022 17:15*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.0658**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83C-20220720
Collection Date: 20-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-08
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	24-Jul-2022 03:40
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 03:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 03:40
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 03:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 03:40
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 03:40
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 03:40
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*24-Jul-2022 03:40*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*24-Jul-2022 03:40*
Surr: Dibromofluoromethane	*96.9*			*77-123*	*%REC*	*1*	*24-Jul-2022 03:40*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*24-Jul-2022 03:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83C-20220720
Collection Date: 20-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 17:37
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 17:37
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 17:37
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 17:37
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 17:37
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 17:37
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 17:37
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 17:37
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 17:37
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 17:37
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 17:37
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 17:37
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 17:37
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 17:37
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 17:37
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 17:37
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 17:37
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 17:37
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 17:37
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 17:37
Naphthalene	**0.00011**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 17:37
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 17:37
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 17:37
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 17:37
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 17:37
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 17:37
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 17:37
Surr: 2,4,6-Tribromophenol	*81.8*			*34-129*	*%REC*	*1*	*30-Jul-2022 17:37*
Surr: 2-Fluorobiphenyl	*72.5*			*40-125*	*%REC*	*1*	*30-Jul-2022 17:37*
Surr: 2-Fluorophenol	*64.2*			*20-120*	*%REC*	*1*	*30-Jul-2022 17:37*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*1*	*30-Jul-2022 17:37*
Surr: Nitrobenzene-d5	*74.0*			*41-120*	*%REC*	*1*	*30-Jul-2022 17:37*
Surr: Phenol-d6	*66.0*			*20-120*	*%REC*	*1*	*30-Jul-2022 17:37*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	30-Jul-2022 00:25

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83B-20220720
Collection Date: 20-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-09
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	23-Jul-2022 04:43
Benzene	**0.0020**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 04:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 04:43
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 04:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 04:43
Toluene	**0.0013**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 04:43
Xylenes, Total	**0.0097**		**0.00030**	**0.0010**	**mg/L**	1	23-Jul-2022 04:43
Surr: 1,2-Dichloroethane-d4	*120*			*70-126*	*%REC*	*1*	*23-Jul-2022 04:43*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*23-Jul-2022 04:43*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*23-Jul-2022 04:43*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*23-Jul-2022 04:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83B-20220720
Collection Date: 20-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 17:59
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 17:59
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 17:59
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 17:59
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 17:59
2-Methylnaphthalene	**0.025**		**0.00019**	**0.0010**	**mg/L**	10	01-Aug-2022 16:01
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 17:59
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 17:59
Acenaphthene	**0.022**		**0.00027**	**0.0010**	**mg/L**	10	01-Aug-2022 16:01
Acenaphthylene	**0.00014**		**0.000015**	**0.00010**	**mg/L**	1	30-Jul-2022 17:59
Anthracene	**0.0010**		**0.000014**	**0.00010**	**mg/L**	1	30-Jul-2022 17:59
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 17:59
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 17:59
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 17:59
Bis(2-ethylhexyl)phthalate	**0.00011**	J	**0.000037**	**0.00020**	**mg/L**	1	30-Jul-2022 17:59
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 17:59
Dibenzofuran	**0.0086**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 17:59
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 17:59
Fluoranthene	**0.00033**		**0.000010**	**0.00010**	**mg/L**	1	30-Jul-2022 17:59
Fluorene	**0.0073**		**0.000030**	**0.00010**	**mg/L**	1	30-Jul-2022 17:59
Naphthalene	**0.18**		**0.0020**	**0.010**	**mg/L**	100	01-Aug-2022 16:22
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 17:59
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 17:59
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 17:59
Phenanthrene	**0.0070**		**0.000021**	**0.00010**	**mg/L**	1	30-Jul-2022 17:59
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 17:59
Pyrene	**0.00019**		**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 17:59
Surr: 2,4,6-Tribromophenol	*90.2*			*34-129*	*%REC*	*1*	*30-Jul-2022 17:59*
Surr: 2,4,6-Tribromophenol	*42.9*			*34-129*	*%REC*	*10*	*01-Aug-2022 16:01*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*01-Aug-2022 16:22*
Surr: 2-Fluorobiphenyl	*68.1*			*40-125*	*%REC*	*10*	*01-Aug-2022 16:01*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*01-Aug-2022 16:22*
Surr: 2-Fluorobiphenyl	*64.0*			*40-125*	*%REC*	*1*	*30-Jul-2022 17:59*
Surr: 2-Fluorophenol	*59.0*			*20-120*	*%REC*	*1*	*30-Jul-2022 17:59*
Surr: 2-Fluorophenol	*61.8*			*20-120*	*%REC*	*10*	*01-Aug-2022 16:01*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 16:22*
Surr: 4-Terphenyl-d14	*108*			*40-135*	*%REC*	*10*	*01-Aug-2022 16:01*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*01-Aug-2022 16:22*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*1*	*30-Jul-2022 17:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW83B-20220720
Collection Date: 20-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
Surr: Nitrobenzene-d5	*66.7*			*41-120*	*%REC*	*1*	*30-Jul-2022 17:59*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*01-Aug-2022 16:22*
Surr: Nitrobenzene-d5	*68.3*			*41-120*	*%REC*	*10*	*01-Aug-2022 16:01*
Surr: Phenol-d6	*37.8*	*J*		*20-120*	*%REC*	*10*	*01-Aug-2022 16:01*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 16:22*
Surr: Phenol-d6	*68.9*			*20-120*	*%REC*	*1*	*30-Jul-2022 17:59*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.0165**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD02-20220720
Collection Date: 20-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-10
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	23-Jul-2022 05:05
Benzene	**0.0034**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 05:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 05:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 05:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 05:05
Toluene	**0.0016**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 05:05
Xylenes, Total	**0.017**		**0.00030**	**0.0010**	**mg/L**	1	23-Jul-2022 05:05
Surr: 1,2-Dichloroethane-d4	*118*			*70-126*	*%REC*	*1*	*23-Jul-2022 05:05*
Surr: 4-Bromofluorobenzene	*107*			*77-113*	*%REC*	*1*	*23-Jul-2022 05:05*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*23-Jul-2022 05:05*
Surr: Toluene-d8	*109*			*82-127*	*%REC*	*1*	*23-Jul-2022 05:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD02-20220720
Collection Date: 20-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 18:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 18:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 18:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 18:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 18:20
2-Methylnaphthalene	**0.031**		**0.00019**	**0.0010**	**mg/L**	10	01-Aug-2022 16:44
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 18:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 18:20
Acenaphthene	**0.024**		**0.00027**	**0.0010**	**mg/L**	10	01-Aug-2022 16:44
Acenaphthylene	**0.00015**		**0.000015**	**0.00010**	**mg/L**	1	30-Jul-2022 18:20
Anthracene	**0.00099**		**0.000014**	**0.00010**	**mg/L**	1	30-Jul-2022 18:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 18:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 18:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 18:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 18:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 18:20
Dibenzofuran	**0.0084**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 18:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 18:20
Fluoranthene	**0.00053**		**0.000010**	**0.00010**	**mg/L**	1	30-Jul-2022 18:20
Fluorene	**0.0069**		**0.000030**	**0.00010**	**mg/L**	1	30-Jul-2022 18:20
Naphthalene	**0.25**		**0.0020**	**0.010**	**mg/L**	100	01-Aug-2022 17:06
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 18:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 18:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 18:20
Phenanthrene	**0.0067**		**0.000021**	**0.00010**	**mg/L**	1	30-Jul-2022 18:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 18:20
Pyrene	**0.00032**		**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 18:20
Surr: 2,4,6-Tribromophenol	*65.2*			*34-129*	*%REC*	*1*	*30-Jul-2022 18:20*
Surr: 2,4,6-Tribromophenol	*45.0*			*34-129*	*%REC*	*10*	*01-Aug-2022 16:44*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*01-Aug-2022 17:06*
Surr: 2-Fluorobiphenyl	*49.6*			*40-125*	*%REC*	*10*	*01-Aug-2022 16:44*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*01-Aug-2022 17:06*
Surr: 2-Fluorobiphenyl	*44.7*			*40-125*	*%REC*	*1*	*30-Jul-2022 18:20*
Surr: 2-Fluorophenol	*44.5*			*20-120*	*%REC*	*1*	*30-Jul-2022 18:20*
Surr: 2-Fluorophenol	*45.8*			*20-120*	*%REC*	*10*	*01-Aug-2022 16:44*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 17:06*
Surr: 4-Terphenyl-d14	*132*			*40-135*	*%REC*	*10*	*01-Aug-2022 16:44*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*01-Aug-2022 17:06*
Surr: 4-Terphenyl-d14	*100*			*40-135*	*%REC*	*1*	*30-Jul-2022 18:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD02-20220720
Collection Date: 20-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
Surr: Nitrobenzene-d5	*46.4*			*41-120*	*%REC*	*1*	*30-Jul-2022 18:20*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*01-Aug-2022 17:06*
Surr: Nitrobenzene-d5	*57.8*			*41-120*	*%REC*	*10*	*01-Aug-2022 16:44*
Surr: Phenol-d6	*47.6*			*20-120*	*%REC*	*10*	*01-Aug-2022 16:44*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 17:06*
Surr: Phenol-d6	*49.2*			*20-120*	*%REC*	*1*	*30-Jul-2022 18:20*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.0358**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:29

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35B-20220720
Collection Date: 20-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-11
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	23-Jul-2022 05:28
Benzene	**0.089**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 05:28
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 05:28
Ethylbenzene	**0.0034**		**0.00030**	**0.0010**	**mg/L**	1	23-Jul-2022 05:28
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 05:28
Toluene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	1	23-Jul-2022 05:28
Xylenes, Total	**0.013**		**0.00030**	**0.0010**	**mg/L**	1	23-Jul-2022 05:28
Surr: 1,2-Dichloroethane-d4	*121*			*70-126*	*%REC*	*1*	*23-Jul-2022 05:28*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*23-Jul-2022 05:28*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*23-Jul-2022 05:28*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*23-Jul-2022 05:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35B-20220720
Collection Date: 20-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 18:42
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 18:42
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 18:42
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 18:42
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 18:42
2-Methylnaphthalene	**0.075**		**0.00019**	**0.0010**	**mg/L**	10	01-Aug-2022 17:28
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 18:42
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 18:42
Acenaphthene	**0.075**		**0.00027**	**0.0010**	**mg/L**	10	01-Aug-2022 17:28
Acenaphthylene	**0.00048**		**0.000015**	**0.00010**	**mg/L**	1	30-Jul-2022 18:42
Anthracene	**0.014**		**0.00014**	**0.0010**	**mg/L**	10	01-Aug-2022 17:28
Benz(a)anthracene	**0.00061**		**0.000050**	**0.00010**	**mg/L**	1	30-Jul-2022 18:42
Benzo(a)pyrene	**0.00019**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 18:42
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 18:42
Bis(2-ethylhexyl)phthalate	**0.00012**	J	**0.000037**	**0.00020**	**mg/L**	1	30-Jul-2022 18:42
Chrysene	**0.00057**		**0.000021**	**0.00010**	**mg/L**	1	30-Jul-2022 18:42
Dibenzofuran	**0.093**		**0.00020**	**0.0010**	**mg/L**	10	01-Aug-2022 17:28
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 18:42
Fluoranthene	**0.0099**		**0.000010**	**0.00010**	**mg/L**	1	30-Jul-2022 18:42
Fluorene	**0.051**		**0.00030**	**0.0010**	**mg/L**	10	01-Aug-2022 17:28
Naphthalene	**0.0051**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 18:42
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 18:42
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 18:42
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 18:42
Phenanthrene	**0.098**		**0.00021**	**0.0010**	**mg/L**	10	01-Aug-2022 17:28
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 18:42
Pyrene	**0.0057**		**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 18:42
Surr: 2,4,6-Tribromophenol	*71.7*			*34-129*	*%REC*	*1*	*30-Jul-2022 18:42*
Surr: 2,4,6-Tribromophenol	*101*			*34-129*	*%REC*	*10*	*01-Aug-2022 17:28*
Surr: 2-Fluorobiphenyl	*71.8*			*40-125*	*%REC*	*10*	*01-Aug-2022 17:28*
Surr: 2-Fluorobiphenyl	*51.5*			*40-125*	*%REC*	*1*	*30-Jul-2022 18:42*
Surr: 2-Fluorophenol	*48.9*			*20-120*	*%REC*	*10*	*01-Aug-2022 17:28*
Surr: 2-Fluorophenol	*49.9*			*20-120*	*%REC*	*1*	*30-Jul-2022 18:42*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*30-Jul-2022 18:42*
Surr: 4-Terphenyl-d14	*148*	*S*		*40-135*	*%REC*	*10*	*01-Aug-2022 17:28*
Surr: Nitrobenzene-d5	*95.5*			*41-120*	*%REC*	*10*	*01-Aug-2022 17:28*
Surr: Nitrobenzene-d5	*62.1*			*41-120*	*%REC*	*1*	*30-Jul-2022 18:42*
Surr: Phenol-d6	*60.8*			*20-120*	*%REC*	*1*	*30-Jul-2022 18:42*
Surr: Phenol-d6	*47.2*			*20-120*	*%REC*	*10*	*01-Aug-2022 17:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35B-20220720
Collection Date: 20-Jul-2022 10:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.00379**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35A-20220720
Collection Date: 20-Jul-2022 12:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-12
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	23-Jul-2022 05:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 05:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 05:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 05:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 05:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 05:50
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 05:50
Surr: 1,2-Dichloroethane-d4	*121*			*70-126*	*%REC*	*1*	*23-Jul-2022 05:50*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*23-Jul-2022 05:50*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*23-Jul-2022 05:50*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*23-Jul-2022 05:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW35A-20220720
Collection Date: 20-Jul-2022 12:55

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 19:04
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 19:04
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 19:04
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 19:04
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 19:04
2-Methylnaphthalene	**0.000080**	J	**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 19:04
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 19:04
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 19:04
Acenaphthene	**0.000095**	J	**0.000027**	**0.00010**	**mg/L**	1	30-Jul-2022 19:04
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 19:04
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 19:04
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 19:04
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 19:04
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 19:04
Bis(2-ethylhexyl)phthalate	**0.000070**	J	**0.000037**	**0.00020**	**mg/L**	1	30-Jul-2022 19:04
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 19:04
Dibenzofuran	**0.00019**		**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 19:04
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 19:04
Fluoranthene	**0.00011**		**0.000010**	**0.00010**	**mg/L**	1	30-Jul-2022 19:04
Fluorene	**0.00021**		**0.000030**	**0.00010**	**mg/L**	1	30-Jul-2022 19:04
Naphthalene	**0.000093**	J	**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 19:04
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 19:04
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 19:04
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 19:04
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 19:04
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 19:04
Pyrene	**0.00013**		**0.000019**	**0.00010**	**mg/L**	1	30-Jul-2022 19:04
Surr: 2,4,6-Tribromophenol	*86.7*			*34-129*	*%REC*	*1*	*30-Jul-2022 19:04*
Surr: 2-Fluorobiphenyl	*61.8*			*40-125*	*%REC*	*1*	*30-Jul-2022 19:04*
Surr: 2-Fluorophenol	*51.9*			*20-120*	*%REC*	*1*	*30-Jul-2022 19:04*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*30-Jul-2022 19:04*
Surr: Nitrobenzene-d5	*63.1*			*41-120*	*%REC*	*1*	*30-Jul-2022 19:04*
Surr: Phenol-d6	*58.6*			*20-120*	*%REC*	*1*	*30-Jul-2022 19:04*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.0921**		**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28C-20220720
Collection Date: 20-Jul-2022 14:05

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-13
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	22-Jul-2022 10:43
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 10:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 10:43
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 10:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2022 10:43
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2022 10:43
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2022 10:43
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*22-Jul-2022 10:43*
Surr: 4-Bromofluorobenzene	*98.1*			*77-113*	*%REC*	*1*	*22-Jul-2022 10:43*
Surr: Dibromofluoromethane	*97.5*			*77-123*	*%REC*	*1*	*22-Jul-2022 10:43*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*22-Jul-2022 10:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28C-20220720
Collection Date: 20-Jul-2022 14:05

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 19:25
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 19:25
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 19:25
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 19:25
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 19:25
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 19:25
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 19:25
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 19:25
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 19:25
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 19:25
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 19:25
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 19:25
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 19:25
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 19:25
Bis(2-ethylhexyl)phthalate	**0.000091**	J	**0.000037**	**0.00020**	**mg/L**	1	30-Jul-2022 19:25
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 19:25
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 19:25
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 19:25
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 19:25
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 19:25
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 19:25
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 19:25
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 19:25
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 19:25
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 19:25
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 19:25
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 19:25
Surr: 2,4,6-Tribromophenol	*59.6*			*34-129*	*%REC*	*1*	*30-Jul-2022 19:25*
Surr: 2-Fluorobiphenyl	*60.9*			*40-125*	*%REC*	*1*	*30-Jul-2022 19:25*
Surr: 2-Fluorophenol	*66.7*			*20-120*	*%REC*	*1*	*30-Jul-2022 19:25*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*30-Jul-2022 19:25*
Surr: Nitrobenzene-d5	*74.7*			*41-120*	*%REC*	*1*	*30-Jul-2022 19:25*
Surr: Phenol-d6	*53.7*			*20-120*	*%REC*	*1*	*30-Jul-2022 19:25*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.00137**	J	**0.000400**	**0.00200**	**mg/L**	1	29-Jul-2022 23:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28A-20220720
Collection Date: 20-Jul-2022 15:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 21:17
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 21:17
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 21:17
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 21:17
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 21:17
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 21:17
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 21:17
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*24-Jul-2022 21:17*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*24-Jul-2022 21:17*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*24-Jul-2022 21:17*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*24-Jul-2022 21:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW28A-20220720
Collection Date: 20-Jul-2022 15:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 20:30
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 20:30
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 20:30
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 20:30
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 20:30
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 20:30
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 20:30
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 20:30
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 20:30
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 20:30
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 20:30
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 20:30
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 20:30
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 20:30
Bis(2-ethylhexyl)phthalate	**0.000067**	J	**0.000037**	**0.00020**	**mg/L**	1	30-Jul-2022 20:30
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 20:30
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 20:30
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 20:30
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 20:30
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 20:30
Naphthalene	**0.000083**	J	**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 20:30
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 20:30
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 20:30
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 20:30
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 20:30
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 20:30
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 20:30
Surr: 2,4,6-Tribromophenol	*81.4*			*34-129*	*%REC*	*1*	*30-Jul-2022 20:30*
Surr: 2-Fluorobiphenyl	*74.5*			*40-125*	*%REC*	*1*	*30-Jul-2022 20:30*
Surr: 2-Fluorophenol	*59.8*			*20-120*	*%REC*	*1*	*30-Jul-2022 20:30*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*30-Jul-2022 20:30*
Surr: Nitrobenzene-d5	*82.7*			*41-120*	*%REC*	*1*	*30-Jul-2022 20:30*
Surr: Phenol-d6	*60.6*			*20-120*	*%REC*	*1*	*30-Jul-2022 20:30*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.00134**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW89B-20220720
Collection Date: 20-Jul-2022 16:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 21:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 21:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 21:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 21:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 21:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 21:37
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 21:37
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*24-Jul-2022 21:37*
Surr: 4-Bromofluorobenzene	*99.3*			*77-113*	*%REC*	*1*	*24-Jul-2022 21:37*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*24-Jul-2022 21:37*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*24-Jul-2022 21:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW89B-20220720
Collection Date: 20-Jul-2022 16:00

ANALYTICAL REPORT
WorkOrder:HS22071068
Lab ID:HS22071068-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 20:52
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 20:52
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 20:52
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 20:52
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 20:52
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 20:52
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 20:52
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 20:52
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 20:52
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 20:52
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 20:52
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 20:52
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 20:52
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 20:52
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 20:52
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 20:52
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 20:52
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 20:52
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 20:52
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 20:52
Naphthalene	**0.000038**	J	**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 20:52
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 20:52
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 20:52
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 20:52
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 20:52
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 20:52
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 20:52
Surr: 2,4,6-Tribromophenol	*72.2*			*34-129*	*%REC*	*1*	*30-Jul-2022 20:52*
Surr: 2-Fluorobiphenyl	*63.6*			*40-125*	*%REC*	*1*	*30-Jul-2022 20:52*
Surr: 2-Fluorophenol	*54.7*			*20-120*	*%REC*	*1*	*30-Jul-2022 20:52*
Surr: 4-Terphenyl-d14	*92.1*			*40-135*	*%REC*	*1*	*30-Jul-2022 20:52*
Surr: Nitrobenzene-d5	*79.3*			*41-120*	*%REC*	*1*	*30-Jul-2022 20:52*
Surr: Phenol-d6	*57.1*			*20-120*	*%REC*	*1*	*30-Jul-2022 20:52*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 29-Jul-2022		Analyst: JC
Arsenic	**0.000693**	J	**0.000400**	**0.00200**	**mg/L**	1	30-Jul-2022 00:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

Batch ID: 181588 **Start Date:** 25 Jul 2022 07:00 **End Date:** 25 Jul 2022 11:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071068-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071068-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181818 **Start Date:** 29 Jul 2022 13:00 **End Date:** 29 Jul 2022 17:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071068-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071068-15		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181588 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22071068-05	WG-1620-FB07-20220719	19 Jul 2022 17:20		25 Jul 2022 12:00	30 Jul 2022 16:32	1
HS22071068-06	WG-1620-FB08-20220720	20 Jul 2022 07:05		25 Jul 2022 12:00	30 Jul 2022 16:53	1
HS22071068-10	WG-1620-FD02-20220720	20 Jul 2022 09:50		25 Jul 2022 12:00	30 Jul 2022 18:20	1
HS22071068-10	WG-1620-FD02-20220720	20 Jul 2022 09:50		25 Jul 2022 12:00	01 Aug 2022 17:06	100
HS22071068-10	WG-1620-FD02-20220720	20 Jul 2022 09:50		25 Jul 2022 12:00	01 Aug 2022 16:44	10
Batch ID: 181588 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS22071068-01	WG-1620-MW68A-20220719	19 Jul 2022 14:15		25 Jul 2022 12:00	30 Jul 2022 15:05	1
HS22071068-02	WG-1620-MW68B-20220719	19 Jul 2022 15:00		25 Jul 2022 12:00	30 Jul 2022 15:27	10
HS22071068-02	WG-1620-MW68B-20220719	19 Jul 2022 15:00		25 Jul 2022 12:00	01 Aug 2022 14:55	1000
HS22071068-02	WG-1620-MW68B-20220719	19 Jul 2022 15:00		25 Jul 2022 12:00	01 Aug 2022 14:34	100
HS22071068-03	WG-1620-MW68C-20220719	19 Jul 2022 15:50		25 Jul 2022 12:00	30 Jul 2022 15:48	1
HS22071068-04	WG-1620-MW33BR-20220719	19 Jul 2022 16:55		25 Jul 2022 12:00	30 Jul 2022 16:10	1
HS22071068-04	WG-1620-MW33BR-20220719	19 Jul 2022 16:55		25 Jul 2022 12:00	01 Aug 2022 17:49	1000
HS22071068-04	WG-1620-MW33BR-20220719	19 Jul 2022 16:55		25 Jul 2022 12:00	01 Aug 2022 15:17	10
HS22071068-07	WG-1620-MW26A-20220720	20 Jul 2022 08:05		25 Jul 2022 12:00	30 Jul 2022 17:15	1
HS22071068-08	WG-1620-MW83C-20220720	20 Jul 2022 09:00		25 Jul 2022 12:00	30 Jul 2022 17:37	1
HS22071068-09	WG-1620-MW83B-20220720	20 Jul 2022 09:50		25 Jul 2022 12:00	30 Jul 2022 17:59	1
HS22071068-09	WG-1620-MW83B-20220720	20 Jul 2022 09:50		25 Jul 2022 12:00	01 Aug 2022 16:22	100
HS22071068-09	WG-1620-MW83B-20220720	20 Jul 2022 09:50		25 Jul 2022 12:00	01 Aug 2022 16:01	10
HS22071068-11	WG-1620-MW35B-20220720	20 Jul 2022 10:55		25 Jul 2022 12:00	30 Jul 2022 18:42	1
HS22071068-11	WG-1620-MW35B-20220720	20 Jul 2022 10:55		25 Jul 2022 12:00	01 Aug 2022 17:28	10
HS22071068-12	WG-1620-MW35A-20220720	20 Jul 2022 12:55		25 Jul 2022 12:00	30 Jul 2022 19:04	1
HS22071068-13	WG-1620-MW28C-20220720	20 Jul 2022 14:05		25 Jul 2022 12:00	30 Jul 2022 19:25	1
HS22071068-14	WG-1620-MW28A-20220720	20 Jul 2022 15:00		25 Jul 2022 12:00	30 Jul 2022 20:30	1
HS22071068-15	WG-1620-MW89B-20220720	20 Jul 2022 16:00		25 Jul 2022 12:00	30 Jul 2022 20:52	1
Batch ID: 181818 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22071068-05	WG-1620-FB07-20220719	19 Jul 2022 17:20		29 Jul 2022 13:00	30 Jul 2022 00:16	1
HS22071068-06	WG-1620-FB08-20220720	20 Jul 2022 07:05		29 Jul 2022 13:00	30 Jul 2022 00:21	1
HS22071068-10	WG-1620-FD02-20220720	20 Jul 2022 09:50		29 Jul 2022 13:00	30 Jul 2022 00:29	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181818 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS22071068-01	WG-1620-MW68A-20220719	19 Jul 2022 14:15		29 Jul 2022 13:00	30 Jul 2022 00:08	1
HS22071068-02	WG-1620-MW68B-20220719	19 Jul 2022 15:00		29 Jul 2022 13:00	30 Jul 2022 00:10	1
HS22071068-03	WG-1620-MW68C-20220719	19 Jul 2022 15:50		29 Jul 2022 13:00	30 Jul 2022 00:12	1
HS22071068-04	WG-1620-MW33BR-20220719	19 Jul 2022 16:55		29 Jul 2022 13:00	30 Jul 2022 00:14	1
HS22071068-07	WG-1620-MW26A-20220720	20 Jul 2022 08:05		29 Jul 2022 13:00	30 Jul 2022 00:23	1
HS22071068-08	WG-1620-MW83C-20220720	20 Jul 2022 09:00		29 Jul 2022 13:00	30 Jul 2022 00:25	1
HS22071068-09	WG-1620-MW83B-20220720	20 Jul 2022 09:50		29 Jul 2022 13:00	30 Jul 2022 00:27	1
HS22071068-11	WG-1620-MW35B-20220720	20 Jul 2022 10:55		29 Jul 2022 13:00	30 Jul 2022 00:35	1
HS22071068-12	WG-1620-MW35A-20220720	20 Jul 2022 12:55		29 Jul 2022 13:00	30 Jul 2022 00:37	1
HS22071068-13	WG-1620-MW28C-20220720	20 Jul 2022 14:05		29 Jul 2022 13:00	29 Jul 2022 23:46	1
HS22071068-14	WG-1620-MW28A-20220720	20 Jul 2022 15:00		29 Jul 2022 13:00	30 Jul 2022 00:39	1
HS22071068-15	WG-1620-MW89B-20220720	20 Jul 2022 16:00		29 Jul 2022 13:00	30 Jul 2022 00:41	1
Batch ID: R413543 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22071068-05	WG-1620-FB07-20220719	19 Jul 2022 17:20			22 Jul 2022 11:50	1
Batch ID: R413543 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071068-04	WG-1620-MW33BR-20220719	19 Jul 2022 16:55			22 Jul 2022 15:13	1
HS22071068-13	WG-1620-MW28C-20220720	20 Jul 2022 14:05			22 Jul 2022 10:43	1
Batch ID: R413590 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22071068-06	WG-1620-FB08-20220720	20 Jul 2022 07:05			23 Jul 2022 00:13	1
HS22071068-10	WG-1620-FD02-20220720	20 Jul 2022 09:50			23 Jul 2022 05:05	1
Batch ID: R413590 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071068-01	WG-1620-MW68A-20220719	19 Jul 2022 14:15			23 Jul 2022 06:13	1
HS22071068-02	WG-1620-MW68B-20220719	19 Jul 2022 15:00			23 Jul 2022 03:13	1
HS22071068-09	WG-1620-MW83B-20220720	20 Jul 2022 09:50			23 Jul 2022 04:43	1
HS22071068-11	WG-1620-MW35B-20220720	20 Jul 2022 10:55			23 Jul 2022 05:28	1
HS22071068-12	WG-1620-MW35A-20220720	20 Jul 2022 12:55			23 Jul 2022 05:50	1
Batch ID: R413625 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071068-14	WG-1620-MW28A-20220720	20 Jul 2022 15:00			24 Jul 2022 21:17	1
HS22071068-15	WG-1620-MW89B-20220720	20 Jul 2022 16:00			24 Jul 2022 21:37	1
Batch ID: R413630 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071068-03	WG-1620-MW68C-20220719	19 Jul 2022 15:50			24 Jul 2022 02:55	1
HS22071068-04	WG-1620-MW33BR-20220719	19 Jul 2022 16:55			24 Jul 2022 01:48	10
HS22071068-07	WG-1620-MW26A-20220720	20 Jul 2022 08:05			24 Jul 2022 03:18	1
HS22071068-08	WG-1620-MW83C-20220720	20 Jul 2022 09:00			24 Jul 2022 03:40	1

WorkOrder: HS22071068
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	0.00112	0.000400	0.00200

WorkOrder: HS22071068
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	0.000065	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000049	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000048	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000059	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000067	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000052	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000025	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.00020	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000053	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000048	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000059	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000050	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000069	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00012	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000055	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000085	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000054	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000045	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000052	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000067	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000077	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000051	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000052	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000070	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000052	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: HS22071068
InstrumentID: VOA11
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	0.00074	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00067	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.0010	0.00071	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00066	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.0014	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00057	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0019	0.00030	0.0010
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: HS22071068
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00063	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0017	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: 181818 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181818** Units: **mg/L** Analysis Date: **29-Jul-2022 23:42**
Client ID: Run ID: **ICPMS06_414029** SeqNo: **6774455** PrepDate: **29-Jul-2022** 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-181818** Units: **mg/L** Analysis Date: **29-Jul-2022 23:44**
Client ID: Run ID: **ICPMS06_414029** SeqNo: **6774456** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04937	0.00200	0.05	0	98.7	80 - 120				

MS Sample ID: **HS22071068-13MS** Units: **mg/L** Analysis Date: **29-Jul-2022 23:50**
Client ID: **WG-1620-MW28C-20220720** Run ID: **ICPMS06_414029** SeqNo: **6774459** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05285	0.00200	0.05	0.001366	103	80 - 120				

MSD Sample ID: **HS22071068-13MSD** Units: **mg/L** Analysis Date: **29-Jul-2022 23:52**
Client ID: **WG-1620-MW28C-20220720** Run ID: **ICPMS06_414029** SeqNo: **6774460** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05139	0.00200	0.05	0.001366	100	80 - 120	0.05285	2.8	20	

PDS Sample ID: **HS22071068-13PDS** Units: **mg/L** Analysis Date: **29-Jul-2022 23:54**
Client ID: **WG-1620-MW28C-20220720** Run ID: **ICPMS06_414029** SeqNo: **6774461** PrepDate: **29-Jul-2022** 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	0.001366	109	75 - 125				

SD Sample ID: **HS22071068-13SD** Units: **mg/L** Analysis Date: **29-Jul-2022 23:48**
Client ID: **WG-1620-MW28C-20220720** Run ID: **ICPMS06_414029** SeqNo: **6774458** PrepDate: **29-Jul-2022** 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					0.001366	0	10	

The following samples were analyzed in this batch:

HS22071068-01	HS22071068-02	HS22071068-03	HS22071068-04
HS22071068-05	HS22071068-06	HS22071068-07	HS22071068-08
HS22071068-09	HS22071068-10	HS22071068-11	HS22071068-12
HS22071068-13	HS22071068-14	HS22071068-15	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: 181588 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181588** Units: **ug/L** Analysis Date: **26-Jul-2022 10:37**
Client ID: Run ID: **SV-7_413701** SeqNo: **6766108** PrepDate: **25-Jul-2022** 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	0.20								
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	*3.279*	*0.20*	*5*	*0*	*65.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.515*	*0.20*	*5*	*0*	*70.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.866*	*0.20*	*5*	*0*	*57.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.148*	*0.20*	*5*	*0*	*83.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.354*	*0.20*	*5*	*0*	*67.1*	*41 - 120*				
Surr: Phenol-d6	*3.022*	*0.20*	*5*	*0*	*60.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: 181588 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181588** Units: **ug/L** Analysis Date: **26-Jul-2022 10:58**
Client ID: Run ID: **SV-7_413701** SeqNo: **6766109** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.876	0.20	5	0	77.5	39 - 127				
2,4-Dimethylphenol	3.409	0.20	5	0	68.2	35 - 120				
2,4-Dinitrotoluene	4.013	0.20	5	0	80.3	50 - 122				
2,6-Dinitrotoluene	4.237	0.20	5	0	84.7	50 - 120				
2-Chloronaphthalene	3.726	0.20	5	0	74.5	50 - 120				
2-Methylnaphthalene	4.078	0.10	5	0	81.6	50 - 120				
4,6-Dinitro-2-methylphenol	3.479	0.20	5	0	69.6	25 - 121				
4-Nitrophenol	2.612	1.0	5	0	52.2	30 - 130				
Acenaphthene	3.809	0.10	5	0	76.2	45 - 120				
Acenaphthylene	3.823	0.10	5	0	76.5	47 - 120				
Anthracene	4.156	0.10	5	0	83.1	45 - 120				
Benz(a)anthracene	3.842	0.10	5	0	76.8	40 - 120				
Benzo(a)pyrene	3.306	0.10	5	0	66.1	45 - 120				
Bis(2-chloroethoxy)methane	3.893	0.20	5	0	77.9	45 - 120				
Bis(2-ethylhexyl)phthalate	3.845	0.20	5	0	76.9	40 - 139				
Chrysene	4.56	0.10	5	0	91.2	43 - 120				
Dibenzofuran	3.898	0.10	5	0	78.0	50 - 120				
Di-n-butyl phthalate	3.788	0.20	5	0	75.8	45 - 123				
Fluoranthene	3.971	0.10	5	0	79.4	45 - 125				
Fluorene	4.048	0.10	5	0	81.0	49 - 120				
Naphthalene	3.766	0.10	5	0	75.3	45 - 120				
Nitrobenzene	3.644	0.20	5	0	72.9	44 - 120				
N-Nitrosodiphenylamine	3.779	0.20	5	0	75.6	40 - 125				
Pentachlorophenol	3.331	0.20	5	0	66.6	19 - 121				
Phenanthrene	3.848	0.10	5	0	77.0	45 - 121				
Phenol	3.978	0.20	5	0	79.6	20 - 124				
Pyrene	4.093	0.10	5	0	81.9	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.893*	*0.20*	*5*	*0*	*77.9*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.617*	*0.20*	*5*	*0*	*72.3*	*40 - 125*				
Surr: 2-Fluorophenol	*3.091*	*0.20*	*5*	*0*	*61.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.26*	*0.20*	*5*	*0*	*85.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.532*	*0.20*	*5*	*0*	*70.6*	*41 - 120*				
Surr: Phenol-d6	*3.398*	*0.20*	*5*	*0*	*68.0*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: 181588 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22071068-13MS** Units: **ug/L** Analysis Date: **30-Jul-2022 19:47**
Client ID: **WG-1620-MW28C-20220720** Run ID: **SV-7_414130** SeqNo: **6776352** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.351	0.20	5	0	87.0	39 - 127				
2,4-Dimethylphenol	3.424	0.20	5	0	68.5	35 - 120				
2,4-Dinitrotoluene	4.566	0.20	5	0	91.3	50 - 122				
2,6-Dinitrotoluene	4.317	0.20	5	0	86.3	50 - 120				
2-Chloronaphthalene	3.947	0.20	5	0	78.9	50 - 120				
2-Methylnaphthalene	3.866	0.10	5	0	77.3	50 - 120				
4,6-Dinitro-2-methylphenol	4.441	0.20	5	0	88.8	25 - 121				
4-Nitrophenol	3.974	1.0	5	0	79.5	30 - 130				
Acenaphthene	3.58	0.10	5	0	71.6	45 - 120				
Acenaphthylene	3.586	0.10	5	0	71.7	47 - 120				
Anthracene	4.807	0.10	5	0	96.1	45 - 120				
Benz(a)anthracene	5.283	0.10	5	0	106	40 - 120				
Benzo(a)pyrene	4.583	0.10	5	0	91.7	45 - 120				
Bis(2-chloroethoxy)methane	3.645	0.20	5	0	72.9	45 - 120				
Bis(2-ethylhexyl)phthalate	5.546	0.20	5	0.09105	109	40 - 139				
Chrysene	5.858	0.10	5	0	117	43 - 120				
Dibenzofuran	3.591	0.10	5	0	71.8	50 - 120				
Di-n-butyl phthalate	5.103	0.20	5	0	102	45 - 123				
Fluoranthene	5.233	0.10	5	0	105	45 - 125				
Fluorene	3.972	0.10	5	0	79.4	49 - 120				
Naphthalene	3.689	0.10	5	0	73.8	45 - 120				
Nitrobenzene	3.787	0.20	5	0	75.7	44 - 120				
N-Nitrosodiphenylamine	4.226	0.20	5	0	84.5	40 - 125				
Pentachlorophenol	5.002	0.20	5	0	100	19 - 121				
Phenanthrene	4.777	0.10	5	0	95.5	45 - 121				
Phenol	3.917	0.20	5	0	78.3	20 - 124				
Pyrene	5.14	0.10	5	0	103	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.456*	*0.20*	*5*	*0*	*89.1*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.363*	*0.20*	*5*	*0*	*67.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.999*	*0.20*	*5*	*0*	*60.0*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.278*	*0.20*	*5*	*0*	*106*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.712*	*0.20*	*5*	*0*	*74.2*	*41 - 120*				
Surr: Phenol-d6	*3.442*	*0.20*	*5*	*0*	*68.8*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: 181588 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22071068-13MSD** Units: **ug/L** Analysis Date: **30-Jul-2022 20:09**
Client ID: **WG-1620-MW28C-20220720** Run ID: **SV-7_414130** SeqNo: **6776353** PrepDate: **25-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.468	0.20	5	0	89.4	39 - 127	4.351	2.64	20	
2,4-Dimethylphenol	3.545	0.20	5	0	70.9	35 - 120	3.424	3.48	20	
2,4-Dinitrotoluene	4.57	0.20	5	0	91.4	50 - 122	4.566	0.0756	20	
2,6-Dinitrotoluene	3.961	0.20	5	0	79.2	50 - 120	4.317	8.6	20	
2-Chloronaphthalene	3.889	0.20	5	0	77.8	50 - 120	3.947	1.49	20	
2-Methylnaphthalene	3.582	0.10	5	0	71.6	50 - 120	3.866	7.62	20	
4,6-Dinitro-2-methylphenol	5.006	0.20	5	0	100	25 - 121	4.441	12	30	
4-Nitrophenol	3.894	1.0	5	0	77.9	30 - 130	3.974	2.04	20	
Acenaphthene	3.433	0.10	5	0	68.7	45 - 120	3.58	4.21	20	
Acenaphthylene	3.406	0.10	5	0	68.1	47 - 120	3.586	5.14	20	
Anthracene	4.815	0.10	5	0	96.3	45 - 120	4.807	0.175	20	
Benz(a)anthracene	6.003	0.10	5	0	120	40 - 120	5.283	12.7	20	S
Benzo(a)pyrene	5.254	0.10	5	0	105	45 - 120	4.583	13.6	20	
Bis(2-chloroethoxy)methane	3.64	0.20	5	0	72.8	45 - 120	3.645	0.139	20	
Bis(2-ethylhexyl)phthalate	6.207	0.20	5	0.09105	122	40 - 139	5.546	11.2	20	
Chrysene	6.478	0.10	5	0	130	43 - 120	5.858	10.1	20	S
Dibenzofuran	3.455	0.10	5	0	69.1	50 - 120	3.591	3.86	20	
Di-n-butyl phthalate	5.623	0.20	5	0	112	45 - 123	5.103	9.69	20	
Fluoranthene	5.84	0.10	5	0	117	45 - 125	5.233	11	20	
Fluorene	3.688	0.10	5	0	73.8	49 - 120	3.972	7.4	20	
Naphthalene	3.512	0.10	5	0	70.2	45 - 120	3.689	4.93	20	
Nitrobenzene	3.775	0.20	5	0	75.5	44 - 120	3.787	0.31	20	
N-Nitrosodiphenylamine	4.094	0.20	5	0	81.9	40 - 125	4.226	3.17	20	
Pentachlorophenol	5.554	0.20	5	0	111	19 - 121	5.002	10.5	20	
Phenanthrene	4.821	0.10	5	0	96.4	45 - 121	4.777	0.906	20	
Phenol	3.806	0.20	5	0	76.1	20 - 124	3.917	2.86	20	
Pyrene	5.758	0.10	5	0	115	40 - 130	5.14	11.3	20	
Surr: 2,4,6-Tribromophenol	*4.326*	*0.20*	*5*	*0*	*86.5*	*34 - 129*	*4.456*	*2.97*	*20*	
Surr: 2-Fluorobiphenyl	*3.122*	*0.20*	*5*	*0*	*62.4*	*40 - 125*	*3.363*	*7.43*	*20*	
Surr: 2-Fluorophenol	*2.758*	*0.20*	*5*	*0*	*55.2*	*20 - 120*	*2.999*	*8.38*	*20*	
Surr: 4-Terphenyl-d14	*5.788*	*0.20*	*5*	*0*	*116*	*40 - 135*	*5.278*	*9.22*	*20*	
Surr: Nitrobenzene-d5	*3.456*	*0.20*	*5*	*0*	*69.1*	*41 - 120*	*3.712*	*7.12*	*20*	
Surr: Phenol-d6	*3.226*	*0.20*	*5*	*0*	*64.5*	*20 - 120*	*3.442*	*6.48*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: 181588 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22071068-01	HS22071068-02	HS22071068-03	HS22071068-04
HS22071068-05	HS22071068-06	HS22071068-07	HS22071068-08
HS22071068-09	HS22071068-10	HS22071068-11	HS22071068-12
HS22071068-13	HS22071068-14	HS22071068-15	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413543 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220722** Units: **ug/L** Analysis Date: **22-Jul-2022 10:20**
Client ID: Run ID: **VOA11_413543** SeqNo: **6760369** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*53.71*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.49*	*1.0*	*50*	*0*	*99.0*	*77 - 113*				
Surr: Dibromofluoromethane	*48.8*	*1.0*	*50*	*0*	*97.6*	*73 - 126*				
Surr: Toluene-d8	*52.22*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-220722** Units: **ug/L** Analysis Date: **22-Jul-2022 09:35**
Client ID: Run ID: **VOA11_413543** SeqNo: **6760368** 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 - 124				
Benzene	17.21	1.0	20	0	86.0	74 - 120				
Chlorobenzene	18.47	1.0	20	0	92.4	76 - 113				
Ethylbenzene	17.45	1.0	20	0	87.3	77 - 117				
Methylene chloride	18.65	2.0	20	0	93.3	70 - 127				
Toluene	17.73	1.0	20	0	88.7	77 - 118				
Vinyl chloride	20	1.0	20	0	100.0	70 - 130				
Xylenes, Total	55.96	1.0	60	0	93.3	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.64*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.24*	*1.0*	*50*	*0*	*104*	*77 - 113*				
Surr: Dibromofluoromethane	*50.28*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*53.18*	*1.0*	*50*	*0*	*106*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413543 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071068-13MS** Units: **ug/L** Analysis Date: **22-Jul-2022 11:05**
Client ID: **WG-1620-MW28C-20220720** Run ID: **VOA11_413543** SeqNo: **6760371** 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	20.07	1.0	20	0	100	70 - 127				
Benzene	18.48	1.0	20	0	92.4	70 - 127				
Chlorobenzene	19.88	1.0	20	0	99.4	70 - 114				
Ethylbenzene	18.64	1.0	20	0	93.2	70 - 124				
Methylene chloride	19.39	2.0	20	0	97.0	70 - 128				
Toluene	18.68	1.0	20	0	93.4	70 - 123				
Vinyl chloride	26.33	1.0	20	0	132	70 - 130				S
Xylenes, Total	60.12	1.0	60	0	100	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.42*	*1.0*	*50*	*0*	*103*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*51.24*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50*	*1.0*	*50*	*0*	*100.0*	*77 - 123*				
Surr: Toluene-d8	*51.38*	*1.0*	*50*	*0*	*103*	*82 - 127*				

MSD Sample ID: **HS22071068-13MSD** Units: **ug/L** Analysis Date: **22-Jul-2022 11:28**
Client ID: **WG-1620-MW28C-20220720** Run ID: **VOA11_413543** SeqNo: **6760372** 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	21.85	1.0	20	0	109	70 - 127	20.07	8.52	20	
Benzene	20.18	1.0	20	0	101	70 - 127	18.48	8.79	20	
Chlorobenzene	19.77	1.0	20	0	98.9	70 - 114	19.88	0.564	20	
Ethylbenzene	19.38	1.0	20	0	96.9	70 - 124	18.64	3.89	20	
Methylene chloride	20.58	2.0	20	0	103	70 - 128	19.39	5.95	20	
Toluene	19.2	1.0	20	0	96.0	70 - 123	18.68	2.74	20	
Vinyl chloride	31.97	1.0	20	0	160	70 - 130	26.33	19.3	20	S
Xylenes, Total	60.49	1.0	60	0	101	70 - 130	60.12	0.615	20	
Surr: 1,2-Dichloroethane-d4	*52.32*	*1.0*	*50*	*0*	*105*	*70 - 126*	*51.42*	*1.75*	*20*	
Surr: 4-Bromofluorobenzene	*51.6*	*1.0*	*50*	*0*	*103*	*77 - 113*	*51.24*	*0.685*	*20*	
Surr: Dibromofluoromethane	*51.97*	*1.0*	*50*	*0*	*104*	*77 - 123*	*50*	*3.86*	*20*	
Surr: Toluene-d8	*50.26*	*1.0*	*50*	*0*	*101*	*82 - 127*	*51.38*	*2.21*	*20*	

The following samples were analyzed in this batch: HS22071068-04 HS22071068-05 HS22071068-13

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413590 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220722** Units: **ug/L** Analysis Date: **22-Jul-2022 21:58**
Client ID: Run ID: **VOA11_413590** SeqNo: **6761672** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*54.25*	*1.0*	*50*	*0*	*109*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.7*	*1.0*	*50*	*0*	*99.4*	*77 - 113*				
Surr: Dibromofluoromethane	*49.14*	*1.0*	*50*	*0*	*98.3*	*73 - 126*				
Surr: Toluene-d8	*53.12*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-220722** Units: **ug/L** Analysis Date: **22-Jul-2022 21:13**
Client ID: Run ID: **VOA11_413590** SeqNo: **6761671** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	21.29	1.0	20	0	106	70 - 124				
Benzene	18.56	1.0	20	0	92.8	74 - 120				
Chlorobenzene	18.13	1.0	20	0	90.6	76 - 113				
Ethylbenzene	17.48	1.0	20	0	87.4	77 - 117				
Methylene chloride	22.2	2.0	20	0	111	70 - 127				
Toluene	17.65	1.0	20	0	88.3	77 - 118				
Xylenes, Total	54.44	1.0	60	0	90.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*56.74*	*1.0*	*50*	*0*	*113*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*53.04*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*51.83*	*1.0*	*50*	*0*	*104*	*73 - 126*				
Surr: Toluene-d8	*51.36*	*1.0*	*50*	*0*	*103*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413590 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071079-05MS** Units: **ug/L** Analysis Date: **22-Jul-2022 23:28**
Client ID: Run ID: **VOA11_413590** SeqNo: **6761676** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	25.23	1.0	20	0	126	70 - 127				
Benzene	22.04	1.0	20	0	110	70 - 127				
Chlorobenzene	21.15	1.0	20	0	106	70 - 114				
Ethylbenzene	21.02	1.0	20	0	105	70 - 124				
Methylene chloride	24.22	2.0	20	0	121	70 - 128				
Toluene	21.55	1.0	20	0	108	70 - 123				
Xylenes, Total	65.44	1.0	60	0	109	70 - 130				
Surr: 1,2-Dichloroethane-d4	*59.12*	*1.0*	*50*	*0*	*118*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*52.46*	*1.0*	*50*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*52.28*	*1.0*	*50*	*0*	*105*	*77 - 123*				
Surr: Toluene-d8	*52.92*	*1.0*	*50*	*0*	*106*	*82 - 127*				

MSD Sample ID: **HS22071079-05MSD** Units: **ug/L** Analysis Date: **22-Jul-2022 23:50**
Client ID: Run ID: **VOA11_413590** SeqNo: **6761677** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	24.32	1.0	20	0	122	70 - 127	25.23	3.67	20	
Benzene	21.32	1.0	20	0	107	70 - 127	22.04	3.3	20	
Chlorobenzene	20.31	1.0	20	0	102	70 - 114	21.15	4.08	20	
Ethylbenzene	19.73	1.0	20	0	98.7	70 - 124	21.02	6.33	20	
Methylene chloride	23.24	2.0	20	0	116	70 - 128	24.22	4.13	20	
Toluene	20.13	1.0	20	0	101	70 - 123	21.55	6.82	20	
Xylenes, Total	61.36	1.0	60	0	102	70 - 130	65.44	6.42	20	
Surr: 1,2-Dichloroethane-d4	*59.63*	*1.0*	*50*	*0*	*119*	*70 - 126*	*59.12*	*0.857*	*20*	
Surr: 4-Bromofluorobenzene	*52.78*	*1.0*	*50*	*0*	*106*	*77 - 113*	*52.46*	*0.617*	*20*	
Surr: Dibromofluoromethane	*52.57*	*1.0*	*50*	*0*	*105*	*77 - 123*	*52.28*	*0.563*	*20*	
Surr: Toluene-d8	*51.59*	*1.0*	*50*	*0*	*103*	*82 - 127*	*52.92*	*2.54*	*20*	

The following samples were analyzed in this batch:

HS22071068-01	HS22071068-02	HS22071068-06	HS22071068-09
HS22071068-10	HS22071068-11	HS22071068-12	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413625 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220724** Units: **ug/L** Analysis Date: **24-Jul-2022 13:40**
Client ID: Run ID: **VOA7_413625** SeqNo: **6762484** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*51.38*	*1.0*	*50*	*0*	*103*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.42*	*1.0*	*50*	*0*	*98.8*	*77 - 113*				
Surr: Dibromofluoromethane	*51.7*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*51.74*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-220724** Units: **ug/L** Analysis Date: **24-Jul-2022 13:00**
Client ID: Run ID: **VOA7_413625** SeqNo: **6762483** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.43	1.0	20	0	87.1	70 - 124				
Benzene	18.46	1.0	20	0	92.3	74 - 120				
Chlorobenzene	18.02	1.0	20	0	90.1	76 - 113				
Ethylbenzene	18.19	1.0	20	0	91.0	77 - 117				
Methylene chloride	17.64	2.0	20	0	88.2	70 - 127				
Toluene	18.36	1.0	20	0	91.8	77 - 118				
Xylenes, Total	55.47	1.0	60	0	92.5	75 - 122				
Surr: 1,2-Dichloroethane-d4	*52.79*	*1.0*	*50*	*0*	*106*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.85*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*52.29*	*1.0*	*50*	*0*	*105*	*73 - 126*				
Surr: Toluene-d8	*52.15*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413625 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071069-01MS** Units: **ug/L** Analysis Date: **24-Jul-2022 16:22**
Client ID: Run ID: **VOA7_413625** SeqNo: **6769297** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.14	1.0	20	0	85.7	70 - 127				
Benzene	18.4	1.0	20	0	92.0	70 - 127				
Chlorobenzene	17.87	1.0	20	0	89.4	70 - 114				
Ethylbenzene	18.22	1.0	20	0	91.1	70 - 124				
Methylene chloride	17.9	2.0	20	0	89.5	70 - 128				
Toluene	18.46	1.0	20	0	92.3	70 - 123				
Xylenes, Total	55.85	1.0	60	0	93.1	70 - 130				
Surr: 1,2-Dichloroethane-d4	*52.55*	*1.0*	*50*	*0*	*105*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.42*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*53.08*	*1.0*	*50*	*0*	*106*	*77 - 123*				
Surr: Toluene-d8	*52.31*	*1.0*	*50*	*0*	*105*	*82 - 127*				

MSD Sample ID: **HS22071069-01MSD** Units: **ug/L** Analysis Date: **24-Jul-2022 16:42**
Client ID: Run ID: **VOA7_413625** SeqNo: **6769298** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.09	1.0	20	0	85.5	70 - 127	17.14	0.262	20	
Benzene	18.18	1.0	20	0	90.9	70 - 127	18.4	1.22	20	
Chlorobenzene	17.37	1.0	20	0	86.9	70 - 114	17.87	2.83	20	
Ethylbenzene	17.5	1.0	20	0	87.5	70 - 124	18.22	3.99	20	
Methylene chloride	16.94	2.0	20	0	84.7	70 - 128	17.9	5.51	20	
Toluene	17.68	1.0	20	0	88.4	70 - 123	18.46	4.3	20	
Xylenes, Total	53.7	1.0	60	0	89.5	70 - 130	55.85	3.91	20	
Surr: 1,2-Dichloroethane-d4	*52.49*	*1.0*	*50*	*0*	*105*	*70 - 126*	*52.55*	*0.121*	*20*	
Surr: 4-Bromofluorobenzene	*50.13*	*1.0*	*50*	*0*	*100*	*77 - 113*	*50.42*	*0.563*	*20*	
Surr: Dibromofluoromethane	*51.19*	*1.0*	*50*	*0*	*102*	*77 - 123*	*53.08*	*3.62*	*20*	
Surr: Toluene-d8	*52.1*	*1.0*	*50*	*0*	*104*	*82 - 127*	*52.31*	*0.41*	*20*	

The following samples were analyzed in this batch: HS22071068-14 HS22071068-15

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413630 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220723** Units: **ug/L** Analysis Date: **23-Jul-2022 23:10**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762648** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*57.51*	*1.0*	*50*	*0*	*115*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.05*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.55*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*53.66*	*1.0*	*50*	*0*	*107*	*81 - 120*				

LCS Sample ID: **VLCSW-220723** Units: **ug/L** Analysis Date: **23-Jul-2022 22:25**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762646** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.35	1.0	20	0	96.8	70 - 124				
Benzene	17.51	1.0	20	0	87.6	74 - 120				
Chlorobenzene	18.59	1.0	20	0	93.0	76 - 113				
Ethylbenzene	17.31	1.0	20	0	86.5	77 - 117				
Methylene chloride	19.07	2.0	20	0	95.4	70 - 127				
Toluene	17.73	1.0	20	0	88.6	77 - 118				
Xylenes, Total	55.6	1.0	60	0	92.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.02*	*1.0*	*50*	*0*	*106*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.3*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*51.8*	*1.0*	*50*	*0*	*104*	*73 - 126*				
Surr: Toluene-d8	*51.89*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071068

QC BATCH REPORT

Batch ID: R413630 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071114-01MS** Units: **ug/L** Analysis Date: **24-Jul-2022 01:03**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762653** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	33.36	1.0	20	0	167	70 - 127				S
Benzene	393	1.0	20	382.1	54.5	70 - 127				SEO
Chlorobenzene	21.34	1.0	20	0	107	70 - 114				
Ethylbenzene	21.01	1.0	20	0	105	70 - 124				
Methylene chloride	23.81	2.0	20	0	119	70 - 128				
Toluene	21.11	1.0	20	0	106	70 - 123				
Xylenes, Total	65.12	1.0	60	0	109	70 - 130				
Surr: 1,2-Dichloroethane-d4	*54.07*	*1.0*	*50*	*0*	*108*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*52.14*	*1.0*	*50*	*0*	*104*	*77 - 113*				
Surr: Dibromofluoromethane	*52.31*	*1.0*	*50*	*0*	*105*	*77 - 123*				
Surr: Toluene-d8	*49.89*	*1.0*	*50*	*0*	*99.8*	*82 - 127*				

MSD Sample ID: **HS22071114-01MSD** Units: **ug/L** Analysis Date: **24-Jul-2022 01:25**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762654** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	34.21	1.0	20	0	171	70 - 127	33.36	2.52	20	S
Benzene	390	1.0	20	382.1	39.2	70 - 127	393	0.78	20	SEO
Chlorobenzene	21.2	1.0	20	0	106	70 - 114	21.34	0.632	20	
Ethylbenzene	20.85	1.0	20	0	104	70 - 124	21.01	0.744	20	
Methylene chloride	23.65	2.0	20	0	118	70 - 128	23.81	0.691	20	
Toluene	21.37	1.0	20	0	107	70 - 123	21.11	1.24	20	
Xylenes, Total	65.22	1.0	60	0	109	70 - 130	65.12	0.16	20	
Surr: 1,2-Dichloroethane-d4	*58.88*	*1.0*	*50*	*0*	*118*	*70 - 126*	*54.07*	*8.52*	*20*	
Surr: 4-Bromofluorobenzene	*51.33*	*1.0*	*50*	*0*	*103*	*77 - 113*	*52.14*	*1.56*	*20*	
Surr: Dibromofluoromethane	*53.45*	*1.0*	*50*	*0*	*107*	*77 - 123*	*52.31*	*2.17*	*20*	
Surr: Toluene-d8	*53.49*	*1.0*	*50*	*0*	*107*	*82 - 127*	*49.89*	*6.96*	*20*	

The following samples were analyzed in this batch: HS22071068-03 HS22071068-04 HS22071068-07 HS22071068-08

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22071068**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023

Sample Receipt Checklist

Work Order ID: HS22071068 **Date/Time Received:** **21-Jul-2022 11:30**

Client Name: PBW **Received by:** **Corey Grandits**

Completed By:	/S/ Pablo Marinez	21-Jul-2022 14:51	**Reviewed by:**	/S/ Dane J. Wacasey	29-Jul-2022 12:26
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** 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:274818/275052
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):	3.9°C/4.4°C, 1.3°C/1.8°C UC/C	IR 31
Cooler(s)/Kit(s):	49071, 47503	
Date/Time sample(s) sent to storage:	7/21/22 15:00	

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: Trip Blank listed on CoC, not received.

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 1 of 2

COC ID: 274818

HS22071068

WSP Golder

Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev1 SR 92688
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

A: 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B: 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C: 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D: ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
E:
F:
G:
H:
I:
J:

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WQ-1620-TB 05-2022 0720			Water	1,8	2	X										
2	WG-1620-MW68A-20220719	7-19-22	1415	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-MW68B-20220719		1500	W		6	X		X	X							
4	WG-1620-MW68C-20220719		1550	W		6	X		X	X							
5	WG-1620-MW33BR-20220719		1655	W		6		X	X	X							
6	WG-1620-FB07-20220719		1720	W		6		X	X	X							
7	WG-1620-FB08-20220720	7-20-22	0705	W		6	X		X	X							
8	WG-1620-MW26A-20220720		0805	W		6	X		X	X							
9	WG-1620-MW83C-20220720		0900	W		6	X		X	X							
10	WG-1620-MW83B-20220720		0950	W		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Date: 7-21-22 Time: 1130 Received by:

Relinquished by: Date: Time: Received by (Laboratory):

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
49071	3.9°C
49503	1.3°C
10231	

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.

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Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 275052

HS22071068 IV

WSP Golder
Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information	
Purchase Order	4300139407/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev0 SR 92688
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
E MS/MSD
F
G
H
I
J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WG-1620-TB~~			~~Water~~	1	~~2~~		X									
2	WG-1620-FD02-20220720	7-20-22	0950	W		6	X		X	X							
3	WG-1620-MW35B-20220720		1055	W		6	X		X	X							
4	WG-1620-MW35A-20220720		1255	W		6	X		X	X							
5	WG-1620-MW28C-20220720		1405	W		12 ~~8~~	X		X	X	X						
6	WG-1620-MW28A-20220720		1500	W		6	X		X	X	X						
7	WG-1620-MW89B-20220720		1600	W		6	X		X	X	X						
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BEAMON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Date: 7-21-22 Time: 1130 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 7-21-22 1130

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
49102	1.7
49171	2.0

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

ote: 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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February 02, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22071151**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 14 sample(s) on Jul 22, 2022 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: DANE.WACASEY
Dane J. Wacasey

Client: WSP Golder **CASE NARRATIVE**
Project: Houston TX-Wood Preserving Works
Work Order: HS22071151

Work Order Comments

- This report was revised in order to swap 8260 VOC results for samples -13 (MW32AR) and -14 (MW32B).

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22071151**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22071151**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/04/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071151					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181675,181869,R413630,R413631,R413702					
#[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				
		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 effects 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: 08/04/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071151					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181675,181869,R413630,R413631,R413702					
#[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			4
		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: 08/04/2022
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS22071151
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 181675,181869,R413630,R413631,R413702

ER#[5]	Description
1	Semivolatile Organics Method SW8270, samples WG-1620-MW46C-20220720, WG-1620-MW63B-20220721, WG-1620-MW70B-20220721, WG-1620-MW32B-20220721, the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 181675, Semivolatile Organics Method SW8270D, sample HS22071114-01, MSD was performed on unrelated sample Batch R413630, Volatile Organics Method SW8260, sample HS22071114-01, MS and MSD were performed on unrelated sample Batch R413702, Volatile Organics Method SW8260, sample HS22071168-09, MS and MSD were performed on unrelated sample
3	Batch 181675, Semivolatile Organics Method SW8270D, sample HS22071114-01, MS/MSD RPD was performed on unrelated sample.
3	Batch 181675, Semivolatile Organics Method SW8270, samples W WG-1620-MW46C-20220720 , WG-1620-MW70B-20220721, G-1620-MW32B-20220721, the GCMS semi-volatile extract of these samples were run at a dilution due to a high level of matrix interference. Batch R413702, Volatile Organics Method SW8260, samples WG-1620-MW70B-20220721, WG-1620- MW32B-20220721, samples analyzed at a dilution due to high non target compound.
4	Batch R413630, Volatile Organics Method SW8260, 2-Butanone exceeded %D limits for CCV. Samples are ND for this compound.

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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22071151

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22071151-01	WG-1620-TB06-20220721	Water	CG-061422-455	21-Jul-2022 00:00	22-Jul-2022 10:50	☐
HS22071151-02	WG-1620-MW53C-20220720	Groundwater		20-Jul-2022 17:05	22-Jul-2022 10:50	☐
HS22071151-03	WG-1620-MW46C-20220720	Groundwater		20-Jul-2022 18:10	22-Jul-2022 10:50	☐
HS22071151-04	WG-1620-MW44C-20220721	Groundwater		21-Jul-2022 07:55	22-Jul-2022 10:50	☐
HS22071151-05	WG-1620-MW36B-20220721	Groundwater		21-Jul-2022 08:55	22-Jul-2022 10:50	☐
HS22071151-06	WG-1620-FD03-20220721	Groundwater		21-Jul-2022 08:55	22-Jul-2022 10:50	☐
HS22071151-07	WG-1620-MW71B-20220721	Groundwater		21-Jul-2022 09:55	22-Jul-2022 10:50	☐
HS22071151-08	WG-1620-MW63B-20220721	Groundwater		21-Jul-2022 10:50	22-Jul-2022 10:50	☐
HS22071151-09	WG-1620-MW33A-20220721	Groundwater		21-Jul-2022 12:50	22-Jul-2022 10:50	☐
HS22071151-10	WG-1620-FD04-20220721	Groundwater		21-Jul-2022 12:50	22-Jul-2022 10:50	☐
HS22071151-11	WG-1620-MW70C-20220721	Groundwater		21-Jul-2022 13:35	22-Jul-2022 10:50	☐
HS22071151-12	WG-1620-MW70B-20220721	Groundwater		21-Jul-2022 14:25	22-Jul-2022 10:50	☐
HS22071151-13	WG-1620-MW32AR-20220721	Groundwater		21-Jul-2022 15:10	22-Jul-2022 10:50	☐
HS22071151-14	WG-1620-MW32B-20220721	Groundwater		21-Jul-2022 16:00	22-Jul-2022 10:50	☐

Revision:1

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works WorkOrder:HS22071151
Sample ID: WG-1620-TB06-20220721 Lab ID:HS22071151-01
Collection Date: 21-Jul-2022 00:00 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	23-Jul-2022 23:33
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 23:33
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 23:33
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 23:33
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	23-Jul-2022 23:33
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	23-Jul-2022 23:33
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	23-Jul-2022 23:33
Surr: 1,2-Dichloroethane-d4	*120*			*70-126*	*%REC*	*1*	*23-Jul-2022 23:33*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*23-Jul-2022 23:33*
Surr: Dibromofluoromethane	*100*			*77-123*	*%REC*	*1*	*23-Jul-2022 23:33*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*23-Jul-2022 23:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW53C-20220720
Collection Date: 20-Jul-2022 17:05

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-02
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	24-Jul-2022 06:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 06:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 06:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 06:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 06:18
Toluene	**0.00063**	J	**0.00020**	**0.0010**	**mg/L**	1	24-Jul-2022 06:18
Xylenes, Total	**0.0011**		**0.00030**	**0.0010**	**mg/L**	1	24-Jul-2022 06:18
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*24-Jul-2022 06:18*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*24-Jul-2022 06:18*
Surr: Dibromofluoromethane	*96.8*			*77-123*	*%REC*	*1*	*24-Jul-2022 06:18*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*24-Jul-2022 06:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW53C-20220720
Collection Date: 20-Jul-2022 17:05

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 21:57
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 21:57
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 21:57
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 21:57
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 21:57
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 21:57
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 21:57
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 21:57
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 21:57
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 21:57
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 21:57
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 21:57
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 21:57
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 21:57
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 21:57
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 21:57
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 21:57
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 21:57
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 21:57
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 21:57
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 21:57
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 21:57
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 21:57
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 21:57
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 21:57
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 21:57
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 21:57
Surr: 2,4,6-Tribromophenol	*70.5*			*34-129*	*%REC*	*1*	*30-Jul-2022 21:57*
Surr: 2-Fluorobiphenyl	*62.3*			*40-125*	*%REC*	*1*	*30-Jul-2022 21:57*
Surr: 2-Fluorophenol	*56.3*			*20-120*	*%REC*	*1*	*30-Jul-2022 21:57*
Surr: 4-Terphenyl-d14	*109*			*40-135*	*%REC*	*1*	*30-Jul-2022 21:57*
Surr: Nitrobenzene-d5	*65.4*			*41-120*	*%REC*	*1*	*30-Jul-2022 21:57*
Surr: Phenol-d6	*43.1*			*20-120*	*%REC*	*1*	*30-Jul-2022 21:57*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.000568**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:07

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW46C-20220720
Collection Date: 20-Jul-2022 18:10

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-03
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	24-Jul-2022 06:40
Benzene	**0.013**		**0.00020**	**0.0010**	**mg/L**	1	24-Jul-2022 06:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 06:40
Ethylbenzene	**0.017**		**0.00030**	**0.0010**	**mg/L**	1	24-Jul-2022 06:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 06:40
Toluene	**0.0023**		**0.00020**	**0.0010**	**mg/L**	1	24-Jul-2022 06:40
Xylenes, Total	**0.034**		**0.00030**	**0.0010**	**mg/L**	1	24-Jul-2022 06:40
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*24-Jul-2022 06:40*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*24-Jul-2022 06:40*
Surr: Dibromofluoromethane	*99.1*			*77-123*	*%REC*	*1*	*24-Jul-2022 06:40*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*24-Jul-2022 06:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW46C-20220720
Collection Date: 20-Jul-2022 18:10

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	30-Jul-2022 22:18
2,4-Dimethylphenol	**0.020**		**0.00040**	**0.0020**	**mg/L**	10	30-Jul-2022 22:18
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	30-Jul-2022 22:18
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	30-Jul-2022 22:18
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	30-Jul-2022 22:18
2-Methylnaphthalene	**0.071**		**0.00019**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.0020	mg/L	10	30-Jul-2022 22:18
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	30-Jul-2022 22:18
Acenaphthene	**0.081**		**0.00027**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Acenaphthylene	**0.00089**	J	**0.00015**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Anthracene	**0.025**		**0.00014**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Benz(a)anthracene	**0.0049**		**0.00050**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Benzo(a)pyrene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	30-Jul-2022 22:18
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	30-Jul-2022 22:18
Chrysene	**0.0052**		**0.00021**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Dibenzofuran	**0.065**		**0.00020**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	30-Jul-2022 22:18
Fluoranthene	**0.036**		**0.00010**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Fluorene	**0.055**		**0.00030**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Naphthalene	**0.35**		**0.0020**	**0.010**	**mg/L**	100	02-Aug-2022 18:30
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	30-Jul-2022 22:18
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	30-Jul-2022 22:18
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	30-Jul-2022 22:18
Phenanthrene	**0.12**		**0.0021**	**0.010**	**mg/L**	100	02-Aug-2022 18:30
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	30-Jul-2022 22:18
Pyrene	**0.022**		**0.00019**	**0.0010**	**mg/L**	10	30-Jul-2022 22:18
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*02-Aug-2022 18:30*
Surr: 2,4,6-Tribromophenol	*85.2*			*34-129*	*%REC*	*10*	*30-Jul-2022 22:18*
Surr: 2-Fluorobiphenyl	*66.7*			*40-125*	*%REC*	*10*	*30-Jul-2022 22:18*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*02-Aug-2022 18:30*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*02-Aug-2022 18:30*
Surr: 2-Fluorophenol	*44.7*			*20-120*	*%REC*	*10*	*30-Jul-2022 22:18*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*10*	*30-Jul-2022 22:18*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*02-Aug-2022 18:30*
Surr: Nitrobenzene-d5	*81.4*			*41-120*	*%REC*	*10*	*30-Jul-2022 22:18*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*02-Aug-2022 18:30*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*02-Aug-2022 18:30*
Surr: Phenol-d6	*49.7*			*20-120*	*%REC*	*10*	*30-Jul-2022 22:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW46C-20220720
Collection Date: 20-Jul-2022 18:10

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.00145**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW44C-20220721
Collection Date: 21-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-04
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	24-Jul-2022 17:56
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 17:56
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 17:56
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 17:56
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 17:56
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 17:56
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 17:56
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*24-Jul-2022 17:56*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*24-Jul-2022 17:56*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*24-Jul-2022 17:56*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*24-Jul-2022 17:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW44C-20220721
Collection Date: 21-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 22:40
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	30-Jul-2022 22:40
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	30-Jul-2022 22:40
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	30-Jul-2022 22:40
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	30-Jul-2022 22:40
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 22:40
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 22:40
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	30-Jul-2022 22:40
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	30-Jul-2022 22:40
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	30-Jul-2022 22:40
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	30-Jul-2022 22:40
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	30-Jul-2022 22:40
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 22:40
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	30-Jul-2022 22:40
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	30-Jul-2022 22:40
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	30-Jul-2022 22:40
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	30-Jul-2022 22:40
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	30-Jul-2022 22:40
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	30-Jul-2022 22:40
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	30-Jul-2022 22:40
Naphthalene	**0.000050**	J	**0.000020**	**0.00010**	**mg/L**	1	30-Jul-2022 22:40
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	30-Jul-2022 22:40
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	30-Jul-2022 22:40
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	30-Jul-2022 22:40
Phenanthrene	**0.000050**	J	**0.000021**	**0.00010**	**mg/L**	1	30-Jul-2022 22:40
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	30-Jul-2022 22:40
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	30-Jul-2022 22:40
Surr: 2,4,6-Tribromophenol	*66.7*			*34-129*	*%REC*	*1*	*30-Jul-2022 22:40*
Surr: 2-Fluorobiphenyl	*61.7*			*40-125*	*%REC*	*1*	*30-Jul-2022 22:40*
Surr: 2-Fluorophenol	*58.3*			*20-120*	*%REC*	*1*	*30-Jul-2022 22:40*
Surr: 4-Terphenyl-d14	*94.2*			*40-135*	*%REC*	*1*	*30-Jul-2022 22:40*
Surr: Nitrobenzene-d5	*68.5*			*41-120*	*%REC*	*1*	*30-Jul-2022 22:40*
Surr: Phenol-d6	*57.6*			*20-120*	*%REC*	*1*	*30-Jul-2022 22:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.0500**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW36B-20220721
Collection Date: 21-Jul-2022 08:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-05
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	24-Jul-2022 18:19
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 18:19
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 18:19
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 18:19
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	24-Jul-2022 18:19
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	24-Jul-2022 18:19
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	24-Jul-2022 18:19
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*24-Jul-2022 18:19*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*24-Jul-2022 18:19*
Surr: Dibromofluoromethane	*99.5*			*77-123*	*%REC*	*1*	*24-Jul-2022 18:19*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*24-Jul-2022 18:19*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW36B-20220721
Collection Date: 21-Jul-2022 08:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 16:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 16:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 16:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:20
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 16:20
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 16:20
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 16:20
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 16:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 16:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 16:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 16:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 16:20
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:20
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 16:20
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 16:20
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 16:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 16:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 16:20
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 16:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 16:20
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:20
Surr: 2,4,6-Tribromophenol	*73.4*			*34-129*	*%REC*	*1*	*02-Aug-2022 16:20*
Surr: 2-Fluorobiphenyl	*63.3*			*40-125*	*%REC*	*1*	*02-Aug-2022 16:20*
Surr: 2-Fluorophenol	*58.1*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:20*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*1*	*02-Aug-2022 16:20*
Surr: Nitrobenzene-d5	*64.6*			*41-120*	*%REC*	*1*	*02-Aug-2022 16:20*
Surr: Phenol-d6	*61.8*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:20*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.000881**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD03-20220721
Collection Date: 21-Jul-2022 08:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 03:31
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 03:31
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 03:31
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 03:31
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	25-Jul-2022 03:31
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 03:31
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 03:31
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*25-Jul-2022 03:31*
Surr: 4-Bromofluorobenzene	*99.5*			*77-113*	*%REC*	*1*	*25-Jul-2022 03:31*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*25-Jul-2022 03:31*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*25-Jul-2022 03:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD03-20220721
Collection Date: 21-Jul-2022 08:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:42
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 16:42
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 16:42
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 16:42
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:42
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:42
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:42
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 16:42
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 16:42
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 16:42
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 16:42
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 16:42
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:42
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 16:42
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 16:42
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 16:42
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:42
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:42
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 16:42
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 16:42
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:42
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 16:42
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 16:42
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 16:42
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 16:42
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 16:42
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:42
Surr: 2,4,6-Tribromophenol	*66.6*			*34-129*	*%REC*	*1*	*02-Aug-2022 16:42*
Surr: 2-Fluorobiphenyl	*54.0*			*40-125*	*%REC*	*1*	*02-Aug-2022 16:42*
Surr: 2-Fluorophenol	*48.6*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:42*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*02-Aug-2022 16:42*
Surr: Nitrobenzene-d5	*51.8*			*41-120*	*%REC*	*1*	*02-Aug-2022 16:42*
Surr: Phenol-d6	*48.0*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:42*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.000865**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW71B-20220721
Collection Date: 21-Jul-2022 09:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 03:50
Benzene	**0.023**		**0.00020**	**0.0010**	**mg/L**	1	25-Jul-2022 03:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 03:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 03:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	25-Jul-2022 03:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 03:50
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 03:50
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*25-Jul-2022 03:50*
Surr: 4-Bromofluorobenzene	*99.0*			*77-113*	*%REC*	*1*	*25-Jul-2022 03:50*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*25-Jul-2022 03:50*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*25-Jul-2022 03:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW71B-20220721
Collection Date: 21-Jul-2022 09:55

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 13:49
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 13:49
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 13:49
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 13:49
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 13:49
2-Methylnaphthalene	**0.000092**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 13:49
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 13:49
Acenaphthene	**0.0040**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 13:49
Anthracene	**0.00064**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Benz(a)anthracene	**0.00017**		**0.000050**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Benzo(a)pyrene	**0.000093**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 13:49
Bis(2-ethylhexyl)phthalate	**0.00012**	J	**0.000037**	**0.00020**	**mg/L**	1	02-Aug-2022 13:49
Chrysene	**0.00024**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Dibenzofuran	**0.0020**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 13:49
Fluoranthene	**0.00100**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Fluorene	**0.0026**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Naphthalene	**0.00047**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 13:49
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 13:49
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 13:49
Phenanthrene	**0.00037**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 13:49
Pyrene	**0.00058**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 13:49
Surr: 2,4,6-Tribromophenol	*94.4*			*34-129*	*%REC*	*1*	*02-Aug-2022 13:49*
Surr: 2-Fluorobiphenyl	*64.7*			*40-125*	*%REC*	*1*	*02-Aug-2022 13:49*
Surr: 2-Fluorophenol	*54.3*			*20-120*	*%REC*	*1*	*02-Aug-2022 13:49*
Surr: 4-Terphenyl-d14	*110*			*40-135*	*%REC*	*1*	*02-Aug-2022 13:49*
Surr: Nitrobenzene-d5	*61.7*			*41-120*	*%REC*	*1*	*02-Aug-2022 13:49*
Surr: Phenol-d6	*60.7*			*20-120*	*%REC*	*1*	*02-Aug-2022 13:49*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.00138**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW63B-20220721
Collection Date: 21-Jul-2022 10:50

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 04:10
Benzene	**0.069**		**0.00020**	**0.0010**	**mg/L**	1	25-Jul-2022 04:10
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 04:10
Ethylbenzene	**0.0043**		**0.00030**	**0.0010**	**mg/L**	1	25-Jul-2022 04:10
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	25-Jul-2022 04:10
Toluene	**0.0014**		**0.00020**	**0.0010**	**mg/L**	1	25-Jul-2022 04:10
Xylenes, Total	**0.020**		**0.00030**	**0.0010**	**mg/L**	1	25-Jul-2022 04:10
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*25-Jul-2022 04:10*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*25-Jul-2022 04:10*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*25-Jul-2022 04:10*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*25-Jul-2022 04:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW63B-20220721
Collection Date: 21-Jul-2022 10:50

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 14:32
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 14:32
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 14:32
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 14:32
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 14:32
2-Methylnaphthalene	**0.025**		**0.00019**	**0.0010**	**mg/L**	10	02-Aug-2022 18:52
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 14:32
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 14:32
Acenaphthene	**0.0063**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2022 14:32
Acenaphthylene	**0.000080**	J	**0.000015**	**0.00010**	**mg/L**	1	02-Aug-2022 14:32
Anthracene	**0.00017**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2022 14:32
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 14:32
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 14:32
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 14:32
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 14:32
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 14:32
Dibenzofuran	**0.0056**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 14:32
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 14:32
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 14:32
Fluorene	**0.0020**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2022 14:32
Naphthalene	**0.90**		**0.0020**	**0.010**	**mg/L**	100	02-Aug-2022 19:14
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 14:32
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 14:32
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 14:32
Phenanthrene	**0.00087**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 14:32
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 14:32
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 14:32
Surr: 2,4,6-Tribromophenol	*74.8*			*34-129*	*%REC*	*1*	*02-Aug-2022 14:32*
Surr: 2,4,6-Tribromophenol	*51.2*			*34-129*	*%REC*	*10*	*02-Aug-2022 18:52*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*02-Aug-2022 19:14*
Surr: 2-Fluorobiphenyl	*87.5*			*40-125*	*%REC*	*10*	*02-Aug-2022 18:52*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*02-Aug-2022 19:14*
Surr: 2-Fluorobiphenyl	*51.0*			*40-125*	*%REC*	*1*	*02-Aug-2022 14:32*
Surr: 2-Fluorophenol	*46.5*			*20-120*	*%REC*	*1*	*02-Aug-2022 14:32*
Surr: 2-Fluorophenol	*49.3*			*20-120*	*%REC*	*10*	*02-Aug-2022 18:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*02-Aug-2022 19:14*
Surr: 4-Terphenyl-d14	*125*			*40-135*	*%REC*	*10*	*02-Aug-2022 18:52*
Surr: 4-Terphenyl-d14	*113*			*40-135*	*%REC*	*1*	*02-Aug-2022 14:32*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*02-Aug-2022 19:14*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW63B-20220721
Collection Date: 21-Jul-2022 10:50

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 27-Jul-2022		Analyst: GEY
Surr: Nitrobenzene-d5	*81.0*			*41-120*	*%REC*	*10*	*02-Aug-2022 18:52*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*02-Aug-2022 19:14*
Surr: Nitrobenzene-d5	*52.3*			*41-120*	*%REC*	*1*	*02-Aug-2022 14:32*
Surr: Phenol-d6	*48.2*			*20-120*	*%REC*	*1*	*02-Aug-2022 14:32*
Surr: Phenol-d6	*39.1*	*J*		*20-120*	*%REC*	*10*	*02-Aug-2022 18:52*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*02-Aug-2022 19:14*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.00985**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33A-20220721
Collection Date: 21-Jul-2022 12:50

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 04:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 04:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 04:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 04:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	25-Jul-2022 04:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 04:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 04:30
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*25-Jul-2022 04:30*
Surr: 4-Bromofluorobenzene	*97.5*			*77-113*	*%REC*	*1*	*25-Jul-2022 04:30*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*25-Jul-2022 04:30*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*25-Jul-2022 04:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW33A-20220721
Collection Date: 21-Jul-2022 12:50

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 14:53
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 14:53
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 14:53
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 14:53
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 14:53
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 14:53
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 14:53
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 14:53
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 14:53
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 14:53
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 14:53
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 14:53
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 14:53
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 14:53
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 14:53
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 14:53
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 14:53
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 14:53
Fluoranthene	**0.000051**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 14:53
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 14:53
Naphthalene	**0.00013**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 14:53
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 14:53
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 14:53
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 14:53
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 14:53
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 14:53
Pyrene	**0.000034**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 14:53
Surr: 2,4,6-Tribromophenol	*69.9*			*34-129*	*%REC*	*1*	*02-Aug-2022 14:53*
Surr: 2-Fluorobiphenyl	*55.3*			*40-125*	*%REC*	*1*	*02-Aug-2022 14:53*
Surr: 2-Fluorophenol	*46.8*			*20-120*	*%REC*	*1*	*02-Aug-2022 14:53*
Surr: 4-Terphenyl-d14	*93.2*			*40-135*	*%REC*	*1*	*02-Aug-2022 14:53*
Surr: Nitrobenzene-d5	*52.4*			*41-120*	*%REC*	*1*	*02-Aug-2022 14:53*
Surr: Phenol-d6	*53.6*			*20-120*	*%REC*	*1*	*02-Aug-2022 14:53*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.0109**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD04-20220721
Collection Date: 21-Jul-2022 12:50

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 04:49
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 04:49
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 04:49
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 04:49
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	25-Jul-2022 04:49
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 04:49
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 04:49
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*25-Jul-2022 04:49*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*1*	*25-Jul-2022 04:49*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*25-Jul-2022 04:49*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*25-Jul-2022 04:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD04-20220721
Collection Date: 21-Jul-2022 12:50

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 15:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 15:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 15:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:15
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 15:15
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 15:15
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 15:15
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 15:15
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 15:15
Benz(a)anthracene	**0.00011**		**0.000050**	**0.00010**	**mg/L**	1	02-Aug-2022 15:15
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 15:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 15:15
Chrysene	**0.000098**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 15:15
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:15
Fluoranthene	**0.00047**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 15:15
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 15:15
Naphthalene	**0.00024**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 15:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 15:15
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 15:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 15:15
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 15:15
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 15:15
Pyrene	**0.0013**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 15:15
Surr: 2,4,6-Tribromophenol	*80.9*			*34-129*	*%REC*	*1*	*02-Aug-2022 15:15*
Surr: 2-Fluorobiphenyl	*63.5*			*40-125*	*%REC*	*1*	*02-Aug-2022 15:15*
Surr: 2-Fluorophenol	*55.2*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:15*
Surr: 4-Terphenyl-d14	*94.1*			*40-135*	*%REC*	*1*	*02-Aug-2022 15:15*
Surr: Nitrobenzene-d5	*60.7*			*41-120*	*%REC*	*1*	*02-Aug-2022 15:15*
Surr: Phenol-d6	*61.8*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:15*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.00493**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70C-20220721
Collection Date: 21-Jul-2022 13:35

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 05:09
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 05:09
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 05:09
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 05:09
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	25-Jul-2022 05:09
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 05:09
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 05:09
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*25-Jul-2022 05:09*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*25-Jul-2022 05:09*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*25-Jul-2022 05:09*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*25-Jul-2022 05:09*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70C-20220721
Collection Date: 21-Jul-2022 13:35

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:37
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 15:37
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 15:37
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 15:37
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:37
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 15:37
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:37
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 15:37
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 15:37
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 15:37
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 15:37
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 15:37
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:37
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 15:37
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 15:37
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 15:37
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:37
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:37
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 15:37
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 15:37
Naphthalene	**0.000086**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 15:37
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 15:37
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 15:37
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 15:37
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 15:37
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 15:37
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 15:37
Surr: 2,4,6-Tribromophenol	*75.7*			*34-129*	*%REC*	*1*	*02-Aug-2022 15:37*
Surr: 2-Fluorobiphenyl	*60.0*			*40-125*	*%REC*	*1*	*02-Aug-2022 15:37*
Surr: 2-Fluorophenol	*53.4*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:37*
Surr: 4-Terphenyl-d14	*114*			*40-135*	*%REC*	*1*	*02-Aug-2022 15:37*
Surr: Nitrobenzene-d5	*62.2*			*41-120*	*%REC*	*1*	*02-Aug-2022 15:37*
Surr: Phenol-d6	*61.9*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:37*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	02-Aug-2022 16:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70B-20220721
Collection Date: 21-Jul-2022 14:25

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	25-Jul-2022 05:48
Benzene	**2.3**		**0.010**	**0.050**	**mg/L**	50	25-Jul-2022 05:48
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	25-Jul-2022 05:48
Ethylbenzene	**0.75**		**0.015**	**0.050**	**mg/L**	50	25-Jul-2022 05:48
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	25-Jul-2022 05:48
Toluene	**2.4**		**0.010**	**0.050**	**mg/L**	50	25-Jul-2022 05:48
Xylenes, Total	**2.1**		**0.015**	**0.050**	**mg/L**	50	25-Jul-2022 05:48
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*50*	*25-Jul-2022 05:48*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*50*	*25-Jul-2022 05:48*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*50*	*25-Jul-2022 05:48*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*50*	*25-Jul-2022 05:48*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70B-20220721
Collection Date: 21-Jul-2022 14:25

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.010		0.010	0.10	mg/L	100	01-Aug-2022 20:42
2,4-Dimethylphenol	**39**		**0.20**	**1.0**	**mg/L**	1000	02-Aug-2022 17:04
2,4-Dinitrotoluene	< 0.029		0.029	0.10	mg/L	100	01-Aug-2022 20:42
2,6-Dinitrotoluene	< 0.021		0.021	0.10	mg/L	100	01-Aug-2022 20:42
2-Chloronaphthalene	< 0.010		0.010	0.10	mg/L	100	01-Aug-2022 20:42
2-Methylnaphthalene	**140**		**0.95**	**5.0**	**mg/L**	10000	02-Aug-2022 17:25
4,6-Dinitro-2-methylphenol	< 0.010		0.010	0.10	mg/L	100	01-Aug-2022 20:42
4-Nitrophenol	< 0.024		0.024	0.50	mg/L	100	01-Aug-2022 20:42
Acenaphthene	**78**		**1.4**	**5.0**	**mg/L**	10000	02-Aug-2022 17:25
Acenaphthylene	**0.98**		**0.0075**	**0.050**	**mg/L**	100	01-Aug-2022 20:42
Anthracene	**39**		**0.070**	**0.50**	**mg/L**	1000	02-Aug-2022 17:04
Benz(a)anthracene	**6.4**		**0.25**	**0.50**	**mg/L**	1000	02-Aug-2022 17:04
Benzo(a)pyrene	**1.6**		**0.010**	**0.050**	**mg/L**	100	01-Aug-2022 20:42
Bis(2-chloroethoxy)methane	< 0.015		0.015	0.10	mg/L	100	01-Aug-2022 20:42
Bis(2-ethylhexyl)phthalate	< 0.018		0.018	0.10	mg/L	100	01-Aug-2022 20:42
Chrysene	**7.1**		**0.10**	**0.50**	**mg/L**	1000	02-Aug-2022 17:04
Dibenzofuran	**76**		**1.0**	**5.0**	**mg/L**	10000	02-Aug-2022 17:25
Di-n-butyl phthalate	< 0.010		0.010	0.10	mg/L	100	01-Aug-2022 20:42
Fluoranthene	**55**		**0.50**	**5.0**	**mg/L**	10000	02-Aug-2022 17:25
Fluorene	**70**		**1.5**	**5.0**	**mg/L**	10000	02-Aug-2022 17:25
Naphthalene	**590**		**2.0**	**10**	**mg/L**	20000	03-Aug-2022 15:20
Nitrobenzene	< 0.012		0.012	0.10	mg/L	100	01-Aug-2022 20:42
N-Nitrosodiphenylamine	< 0.012		0.012	0.10	mg/L	100	01-Aug-2022 20:42
Pentachlorophenol	< 0.040		0.040	0.10	mg/L	100	01-Aug-2022 20:42
Phenanthrene	**200**		**1.0**	**5.0**	**mg/L**	10000	02-Aug-2022 17:25
Phenol	**3.3**		**0.018**	**0.10**	**mg/L**	100	01-Aug-2022 20:42
Pyrene	**37**		**0.095**	**0.50**	**mg/L**	1000	02-Aug-2022 17:04
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*02-Aug-2022 17:04*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*02-Aug-2022 17:25*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*01-Aug-2022 20:42*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*20000*	*03-Aug-2022 15:20*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*20000*	*03-Aug-2022 15:20*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*01-Aug-2022 20:42*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*02-Aug-2022 17:04*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*02-Aug-2022 17:25*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 17:04*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*02-Aug-2022 17:25*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 20:42*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*20000*	*03-Aug-2022 15:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW70B-20220721
Collection Date: 21-Jul-2022 14:25

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 27-Jul-2022		Analyst: GEY
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*20000*	*03-Aug-2022 15:20*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*01-Aug-2022 20:42*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*02-Aug-2022 17:04*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*02-Aug-2022 17:25*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*02-Aug-2022 17:04*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*02-Aug-2022 17:25*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*01-Aug-2022 20:42*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*20000*	*03-Aug-2022 15:20*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*20000*	*03-Aug-2022 15:20*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 20:42*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 17:04*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*02-Aug-2022 17:25*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.00222**		**0.000400**	**0.00200**	**mg/L**	1	03-Aug-2022 13:40

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32AR-20220721
Collection Date: 21-Jul-2022 15:10

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 05:29
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 05:29
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 05:29
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 05:29
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	25-Jul-2022 05:29
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	25-Jul-2022 05:29
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	25-Jul-2022 05:29
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*25-Jul-2022 05:29*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*25-Jul-2022 05:29*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*25-Jul-2022 05:29*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*25-Jul-2022 05:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32AR-20220721
Collection Date: 21-Jul-2022 15:10

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:59
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 15:59
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 15:59
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 15:59
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:59
2-Methylnaphthalene	**0.00024**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:59
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 15:59
Acenaphthene	**0.00046**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 15:59
Anthracene	**0.00012**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Benz(a)anthracene	**0.000079**	J	**0.000050**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:59
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 15:59
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 15:59
Chrysene	**0.000060**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Dibenzofuran	**0.00021**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:59
Fluoranthene	**0.00023**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Fluorene	**0.00017**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Naphthalene	**0.0012**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 15:59
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 15:59
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 15:59
Phenanthrene	**0.00042**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 15:59
Pyrene	**0.0013**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 15:59
Surr: 2,4,6-Tribromophenol	*92.8*			*34-129*	*%REC*	*1*	*02-Aug-2022 15:59*
Surr: 2-Fluorobiphenyl	*64.2*			*40-125*	*%REC*	*1*	*02-Aug-2022 15:59*
Surr: 2-Fluorophenol	*63.7*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:59*
Surr: 4-Terphenyl-d14	*109*			*40-135*	*%REC*	*1*	*02-Aug-2022 15:59*
Surr: Nitrobenzene-d5	*60.7*			*41-120*	*%REC*	*1*	*02-Aug-2022 15:59*
Surr: Phenol-d6	*61.7*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:59*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.169**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2022 16:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32B-20220721
Collection Date: 21-Jul-2022 16:00

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	25-Jul-2022 06:08
Benzene	**3.4**		**0.010**	**0.050**	**mg/L**	50	25-Jul-2022 06:08
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	25-Jul-2022 06:08
Ethylbenzene	**0.70**		**0.015**	**0.050**	**mg/L**	50	25-Jul-2022 06:08
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	25-Jul-2022 06:08
Toluene	**2.7**		**0.010**	**0.050**	**mg/L**	50	25-Jul-2022 06:08
Xylenes, Total	**2.0**		**0.015**	**0.050**	**mg/L**	50	25-Jul-2022 06:08
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*50*	*25-Jul-2022 06:08*
Surr: 4-Bromofluorobenzene	*99.6*			*77-113*	*%REC*	*50*	*25-Jul-2022 06:08*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*50*	*25-Jul-2022 06:08*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*50*	*25-Jul-2022 06:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32B-20220721
Collection Date: 21-Jul-2022 16:00

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	01-Aug-2022 21:04
2,4-Dimethylphenol	**17**		**0.40**	**2.0**	**mg/L**	10000	02-Aug-2022 18:09
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	01-Aug-2022 21:04
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	01-Aug-2022 21:04
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	01-Aug-2022 21:04
2-Methylnaphthalene	**8.4**		**0.019**	**0.10**	**mg/L**	1000	02-Aug-2022 17:47
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	01-Aug-2022 21:04
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	01-Aug-2022 21:04
Acenaphthene	**3.7**		**0.027**	**0.10**	**mg/L**	1000	02-Aug-2022 17:47
Acenaphthylene	**0.046**		**0.0015**	**0.010**	**mg/L**	100	01-Aug-2022 21:04
Anthracene	**2.3**		**0.014**	**0.10**	**mg/L**	1000	02-Aug-2022 17:47
Benz(a)anthracene	**0.41**		**0.0050**	**0.010**	**mg/L**	100	01-Aug-2022 21:04
Benzo(a)pyrene	**0.11**		**0.0020**	**0.010**	**mg/L**	100	01-Aug-2022 21:04
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	01-Aug-2022 21:04
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	01-Aug-2022 21:04
Chrysene	**0.40**		**0.0021**	**0.010**	**mg/L**	100	01-Aug-2022 21:04
Dibenzofuran	**4.1**		**0.020**	**0.10**	**mg/L**	1000	02-Aug-2022 17:47
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	01-Aug-2022 21:04
Fluoranthene	**3.1**		**0.010**	**0.10**	**mg/L**	1000	02-Aug-2022 17:47
Fluorene	**3.2**		**0.030**	**0.10**	**mg/L**	1000	02-Aug-2022 17:47
Naphthalene	**46**		**0.20**	**1.0**	**mg/L**	10000	02-Aug-2022 18:09
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	01-Aug-2022 21:04
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	01-Aug-2022 21:04
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	01-Aug-2022 21:04
Phenanthrene	**11**		**0.21**	**1.0**	**mg/L**	10000	02-Aug-2022 18:09
Phenol	**14**		**0.35**	**2.0**	**mg/L**	10000	02-Aug-2022 18:09
Pyrene	**2.0**		**0.019**	**0.10**	**mg/L**	1000	02-Aug-2022 17:47
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*02-Aug-2022 17:47*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*02-Aug-2022 18:09*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*01-Aug-2022 21:04*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*01-Aug-2022 21:04*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*02-Aug-2022 17:47*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*02-Aug-2022 18:09*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 17:47*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 21:04*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*02-Aug-2022 18:09*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*02-Aug-2022 17:47*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*02-Aug-2022 18:09*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*01-Aug-2022 21:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW32B-20220721
Collection Date: 21-Jul-2022 16:00

ANALYTICAL REPORT
WorkOrder:HS22071151
Lab ID:HS22071151-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 27-Jul-2022		Analyst: GEY
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*02-Aug-2022 17:47*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*02-Aug-2022 18:09*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*01-Aug-2022 21:04*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*01-Aug-2022 21:04*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*02-Aug-2022 18:09*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 17:47*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 01-Aug-2022		Analyst: JHD
Arsenic	**0.00186**	J	**0.000400**	**0.00200**	**mg/L**	1	03-Aug-2022 13:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

Batch ID: 181675 **Start Date:** 27 Jul 2022 06:30 **End Date:** 27 Jul 2022 11:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071151-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-12	1	1000 (mL)	5 (mL)	0.005	1-liter amber glass, Neat
HS22071151-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071151-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181869 **Start Date:** 01 Aug 2022 12:00 **End Date:** 01 Aug 2022 16:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071151-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071151-14		10 (mL)	10 (mL)	1	120 plastic HNO3

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181675 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS22071151-02	WG-1620-MW53C-20220720	20 Jul 2022 17:05		27 Jul 2022 09:34	30 Jul 2022 21:57	1
HS22071151-03	WG-1620-MW46C-20220720	20 Jul 2022 18:10		27 Jul 2022 09:34	30 Jul 2022 22:18	10
HS22071151-03	WG-1620-MW46C-20220720	20 Jul 2022 18:10		27 Jul 2022 09:34	02 Aug 2022 18:30	100
HS22071151-04	WG-1620-MW44C-20220721	21 Jul 2022 07:55		27 Jul 2022 09:34	30 Jul 2022 22:40	1
HS22071151-05	WG-1620-MW36B-20220721	21 Jul 2022 08:55		27 Jul 2022 09:34	02 Aug 2022 16:20	1
HS22071151-06	WG-1620-FD03-20220721	21 Jul 2022 08:55		27 Jul 2022 09:34	02 Aug 2022 16:42	1
HS22071151-07	WG-1620-MW71B-20220721	21 Jul 2022 09:55		27 Jul 2022 09:34	02 Aug 2022 13:49	1
HS22071151-08	WG-1620-MW63B-20220721	21 Jul 2022 10:50		27 Jul 2022 09:34	02 Aug 2022 19:14	100
HS22071151-08	WG-1620-MW63B-20220721	21 Jul 2022 10:50		27 Jul 2022 09:34	02 Aug 2022 18:52	10
HS22071151-08	WG-1620-MW63B-20220721	21 Jul 2022 10:50		27 Jul 2022 09:34	02 Aug 2022 14:32	1
HS22071151-09	WG-1620-MW33A-20220721	21 Jul 2022 12:50		27 Jul 2022 09:34	02 Aug 2022 14:53	1
HS22071151-10	WG-1620-FD04-20220721	21 Jul 2022 12:50		27 Jul 2022 09:34	02 Aug 2022 15:15	1
HS22071151-11	WG-1620-MW70C-20220721	21 Jul 2022 13:35		27 Jul 2022 09:34	02 Aug 2022 15:37	1
HS22071151-12	WG-1620-MW70B-20220721	21 Jul 2022 14:25		27 Jul 2022 09:34	03 Aug 2022 15:20	20000
HS22071151-12	WG-1620-MW70B-20220721	21 Jul 2022 14:25		27 Jul 2022 09:34	02 Aug 2022 17:25	10000
HS22071151-12	WG-1620-MW70B-20220721	21 Jul 2022 14:25		27 Jul 2022 09:34	02 Aug 2022 17:04	1000
HS22071151-12	WG-1620-MW70B-20220721	21 Jul 2022 14:25		27 Jul 2022 09:34	01 Aug 2022 20:42	100
HS22071151-13	WG-1620-MW32AR-20220721	21 Jul 2022 15:10		27 Jul 2022 09:34	02 Aug 2022 15:59	1
HS22071151-14	WG-1620-MW32B-20220721	21 Jul 2022 16:00		27 Jul 2022 09:34	02 Aug 2022 18:09	10000
HS22071151-14	WG-1620-MW32B-20220721	21 Jul 2022 16:00		27 Jul 2022 09:34	02 Aug 2022 17:47	1000
HS22071151-14	WG-1620-MW32B-20220721	21 Jul 2022 16:00		27 Jul 2022 09:34	01 Aug 2022 21:04	100
Batch ID: 181869 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS22071151-02	WG-1620-MW53C-20220720	20 Jul 2022 17:05		01 Aug 2022 12:00	02 Aug 2022 16:07	1
HS22071151-03	WG-1620-MW46C-20220720	20 Jul 2022 18:10		01 Aug 2022 12:00	02 Aug 2022 16:09	1
HS22071151-04	WG-1620-MW44C-20220721	21 Jul 2022 07:55		01 Aug 2022 12:00	02 Aug 2022 16:11	1
HS22071151-05	WG-1620-MW36B-20220721	21 Jul 2022 08:55		01 Aug 2022 12:00	02 Aug 2022 16:13	1
HS22071151-06	WG-1620-FD03-20220721	21 Jul 2022 08:55		01 Aug 2022 12:00	02 Aug 2022 16:15	1
HS22071151-07	WG-1620-MW71B-20220721	21 Jul 2022 09:55		01 Aug 2022 12:00	02 Aug 2022 16:17	1
HS22071151-08	WG-1620-MW63B-20220721	21 Jul 2022 10:50		01 Aug 2022 12:00	02 Aug 2022 16:19	1
HS22071151-09	WG-1620-MW33A-20220721	21 Jul 2022 12:50		01 Aug 2022 12:00	02 Aug 2022 16:37	1
HS22071151-10	WG-1620-FD04-20220721	21 Jul 2022 12:50		01 Aug 2022 12:00	02 Aug 2022 16:21	1
HS22071151-11	WG-1620-MW70C-20220721	21 Jul 2022 13:35		01 Aug 2022 12:00	02 Aug 2022 16:23	1
HS22071151-12	WG-1620-MW70B-20220721	21 Jul 2022 14:25		01 Aug 2022 12:00	03 Aug 2022 13:40	1
HS22071151-13	WG-1620-MW32AR-20220721	21 Jul 2022 15:10		01 Aug 2022 12:00	02 Aug 2022 16:49	1
HS22071151-14	WG-1620-MW32B-20220721	21 Jul 2022 16:00		01 Aug 2022 12:00	03 Aug 2022 13:42	1

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R413630 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071151-02	WG-1620-MW53C-20220720	20 Jul 2022 17:05			24 Jul 2022 06:18	1
HS22071151-03	WG-1620-MW46C-20220720	20 Jul 2022 18:10			24 Jul 2022 06:40	1
Batch ID: R413630 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22071151-01	WG-1620-TB06-20220721	21 Jul 2022 00:00			23 Jul 2022 23:33	1
Batch ID: R413631 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071151-04	WG-1620-MW44C-20220721	21 Jul 2022 07:55			24 Jul 2022 17:56	1
HS22071151-05	WG-1620-MW36B-20220721	21 Jul 2022 08:55			24 Jul 2022 18:19	1
Batch ID: R413702 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071151-06	WG-1620-FD03-20220721	21 Jul 2022 08:55			25 Jul 2022 03:31	1
HS22071151-07	WG-1620-MW71B-20220721	21 Jul 2022 09:55			25 Jul 2022 03:50	1
HS22071151-08	WG-1620-MW63B-20220721	21 Jul 2022 10:50			25 Jul 2022 04:10	1
HS22071151-09	WG-1620-MW33A-20220721	21 Jul 2022 12:50			25 Jul 2022 04:30	1
HS22071151-10	WG-1620-FD04-20220721	21 Jul 2022 12:50			25 Jul 2022 04:49	1
HS22071151-11	WG-1620-MW70C-20220721	21 Jul 2022 13:35			25 Jul 2022 05:09	1
HS22071151-12	WG-1620-MW70B-20220721	21 Jul 2022 14:25			25 Jul 2022 05:48	50
HS22071151-13	WG-1620-MW32AR-20220721	21 Jul 2022 15:10			25 Jul 2022 05:29	1
HS22071151-14	WG-1620-MW32B-20220721	21 Jul 2022 16:00			25 Jul 2022 06:08	50

Revision: 1

WorkOrder: HS22071151
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	0.00125	0.000993	0.000400	0.00200

Revision:1

WorkOrder: HS22071151
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	0.000901	0.000400	0.00200
A	Arsenic	7440-38-2	0.00125	0.00112	0.000400	0.00200

Revision:1

WorkOrder: HS22071151
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	0.000065	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000049	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000048	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000059	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000067	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000052	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000025	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.00020	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000053	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000048	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000059	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000050	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000069	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00012	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000055	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000085	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000054	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000045	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000052	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000067	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000077	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000051	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000052	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000070	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000052	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: HS22071151
InstrumentID: VOA11
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	0.00074	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00067	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.0010	0.00071	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00066	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.0014	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0019	0.00030	0.0010
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: HS22071151
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00063	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0017	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: 181869 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181869** Units: **mg/L** Analysis Date: **02-Aug-2022 15:57**
Client ID: Run ID: **ICPMS07_414224** SeqNo: **6782925** PrepDate: **01-Aug-2022** 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-181869** Units: **mg/L** Analysis Date: **02-Aug-2022 15:59**
Client ID: Run ID: **ICPMS07_414224** SeqNo: **6782926** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04881	0.00200	0.05	0	97.6	80 - 120				

MS Sample ID: **HS22071151-09MS** Units: **mg/L** Analysis Date: **02-Aug-2022 16:41**
Client ID: **WG-1620-MW33A-20220721** Run ID: **ICPMS07_414224** SeqNo: **6782943** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05825	0.00200	0.05	0.01093	94.6	80 - 120				

MSD Sample ID: **HS22071151-09MSD** Units: **mg/L** Analysis Date: **02-Aug-2022 16:43**
Client ID: **WG-1620-MW33A-20220721** Run ID: **ICPMS07_414224** SeqNo: **6782944** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0604	0.00200	0.05	0.01093	98.9	80 - 120	0.05825	3.62	20	

PDS Sample ID: **HS22071151-09PDS** Units: **mg/L** Analysis Date: **02-Aug-2022 16:45**
Client ID: **WG-1620-MW33A-20220721** Run ID: **ICPMS07_414224** SeqNo: **6782945** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1071	0.00200	0.1	0.01093	96.1	75 - 125				

SD Sample ID: **HS22071151-09SD** Units: **mg/L** Analysis Date: **02-Aug-2022 16:39**
Client ID: **WG-1620-MW33A-20220721** Run ID: **ICPMS07_414224** SeqNo: **6782942** PrepDate: **01-Aug-2022** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.01088	0.0100					0.01093	0.503	10	

The following samples were analyzed in this batch:

HS22071151-02	HS22071151-03	HS22071151-04	HS22071151-05
HS22071151-06	HS22071151-07	HS22071151-08	HS22071151-09
HS22071151-10	HS22071151-11	HS22071151-12	HS22071151-13
HS22071151-14			

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: 181675 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181675** Units: **ug/L** Analysis Date: **28-Jul-2022 11:40**
Client ID: Run ID: **SV-7_413928** SeqNo: **6770823** PrepDate: **27-Jul-2022** 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	0.20								
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	*3.756*	*0.20*	*5*	*0*	*75.1*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.927*	*0.20*	*5*	*0*	*78.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.803*	*0.20*	*5*	*0*	*76.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.705*	*0.20*	*5*	*0*	*94.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.751*	*0.20*	*5*	*0*	*75.0*	*41 - 120*				
Surr: Phenol-d6	*3.628*	*0.20*	*5*	*0*	*72.6*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: 181675 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181675** Units: **ug/L** Analysis Date: **28-Jul-2022 12:01**
Client ID: Run ID: **SV-7_413928** SeqNo: **6770824** PrepDate: **27-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.169	0.20	5	0	63.4	39 - 127				
2,4-Dimethylphenol	3.596	0.20	5	0	71.9	35 - 120				
2,4-Dinitrotoluene	3.925	0.20	5	0	78.5	50 - 122				
2,6-Dinitrotoluene	4.211	0.20	5	0	84.2	50 - 120				
2-Chloronaphthalene	3.837	0.20	5	0	76.7	50 - 120				
2-Methylnaphthalene	4.578	0.10	5	0	91.6	50 - 120				
4,6-Dinitro-2-methylphenol	3.403	0.20	5	0	68.1	25 - 121				
4-Nitrophenol	3.565	1.0	5	0	71.3	30 - 130				
Acenaphthene	3.883	0.10	5	0	77.7	45 - 120				
Acenaphthylene	3.96	0.10	5	0	79.2	47 - 120				
Anthracene	4.152	0.10	5	0	83.0	45 - 120				
Benz(a)anthracene	3.801	0.10	5	0	76.0	40 - 120				
Benzo(a)pyrene	3.116	0.10	5	0	62.3	45 - 120				
Bis(2-chloroethoxy)methane	3.828	0.20	5	0	76.6	45 - 120				
Bis(2-ethylhexyl)phthalate	3.638	0.20	5	0	72.8	40 - 139				
Chrysene	4.505	0.10	5	0	90.1	43 - 120				
Dibenzofuran	4.132	0.10	5	0	82.6	50 - 120				
Di-n-butyl phthalate	3.947	0.20	5	0	78.9	45 - 123				
Fluoranthene	4.057	0.10	5	0	81.1	45 - 125				
Fluorene	4.077	0.10	5	0	81.5	49 - 120				
Naphthalene	4.51	0.10	5	0	90.2	45 - 120				
Nitrobenzene	3.516	0.20	5	0	70.3	44 - 120				
N-Nitrosodiphenylamine	3.796	0.20	5	0	75.9	40 - 125				
Pentachlorophenol	2.426	0.20	5	0	48.5	19 - 121				
Phenanthrene	3.791	0.10	5	0	75.8	45 - 121				
Phenol	3.723	0.20	5	0	74.5	20 - 124				
Pyrene	4.002	0.10	5	0	80.0	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.457*	*0.20*	*5*	*0*	*89.1*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.004*	*0.20*	*5*	*0*	*80.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.181*	*0.20*	*5*	*0*	*63.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.348*	*0.20*	*5*	*0*	*87.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.416*	*0.20*	*5*	*0*	*68.3*	*41 - 120*				
Surr: Phenol-d6	*3.818*	*0.20*	*5*	*0*	*76.4*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: 181675 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22071114-01MS** Units: **ug/L** Analysis Date: **27-Jul-2022 18:19**
Client ID: Run ID: **SV-7_413831** SeqNo: **6770860** PrepDate: **27-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
1,2-Diphenylhydrazine	5.407	0.20	5	0	108	39 - 127			
2,4-Dimethylphenol	4.533	0.20	5	0	90.7	35 - 120			
2,4-Dinitrotoluene	4.231	0.20	5	0	84.6	50 - 122			
2,6-Dinitrotoluene	5.017	0.20	5	0	100	50 - 120			
2-Chloronaphthalene	4.135	0.20	5	0	82.7	50 - 120			
2-Methylnaphthalene	5.215	0.10	5	0	104	50 - 120			
4,6-Dinitro-2-methylphenol	2.428	0.20	5	0	48.6	25 - 121			
4-Nitrophenol	3.823	1.0	5	0	76.5	30 - 130			
Acenaphthene	4.656	0.10	5	0	93.1	45 - 120			
Acenaphthylene	4.311	0.10	5	0	86.2	47 - 120			
Anthracene	5.227	0.10	5	0	105	45 - 120			
Benz(a)anthracene	4.526	0.10	5	0	90.5	40 - 120			
Benzo(a)pyrene	3.968	0.10	5	0	79.4	45 - 120			
Bis(2-chloroethoxy)methane	4.05	0.20	5	0	81.0	45 - 120			
Bis(2-ethylhexyl)phthalate	5.065	0.20	5	0	101	40 - 139			
Chrysene	5.853	0.10	5	0	117	43 - 120			
Dibenzofuran	4.933	0.10	5	0	98.7	50 - 120			
Di-n-butyl phthalate	4.841	0.20	5	0	96.8	45 - 123			
Fluoranthene	5.024	0.10	5	0	100	45 - 125			
Fluorene	5.009	0.10	5	0	100	49 - 120			
Naphthalene	5.15	0.10	5	0	103	45 - 120			
Nitrobenzene	4.073	0.20	5	0	81.5	44 - 120			
N-Nitrosodiphenylamine	4.853	0.20	5	0	97.1	40 - 125			
Pentachlorophenol	2.304	0.20	5	0	46.1	19 - 121			
Phenanthrene	4.868	0.10	5	0	97.4	45 - 121			
Phenol	4.164	0.20	5	0	83.3	20 - 124			
Pyrene	4.857	0.10	5	0	97.1	40 - 130			
Surr: 2,4,6-Tribromophenol	*4.525*	*0.20*	*5*	*0*	*90.5*	*34 - 129*			
Surr: 2-Fluorobiphenyl	*4.291*	*0.20*	*5*	*0*	*85.8*	*40 - 125*			
Surr: 2-Fluorophenol	*2.935*	*0.20*	*5*	*0*	*58.7*	*20 - 120*			
Surr: 4-Terphenyl-d14	*5.37*	*0.20*	*5*	*0*	*107*	*40 - 135*			
Surr: Nitrobenzene-d5	*3.88*	*0.20*	*5*	*0*	*77.6*	*41 - 120*			
Surr: Phenol-d6	*3.072*	*0.20*	*5*	*0*	*61.4*	*20 - 120*			

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: 181675 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22071114-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2022 18:40**
Client ID: Run ID: **SV-7_413831** SeqNo: **6770861** PrepDate: **27-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.618	0.20	5	0	72.4	39 - 127	5.407	39.7	20	R
2,4-Dimethylphenol	3.032	0.20	5	0	60.6	35 - 120	4.533	39.7	20	R
2,4-Dinitrotoluene	3.6	0.20	5	0	72.0	50 - 122	4.231	16.1	20	
2,6-Dinitrotoluene	3.937	0.20	5	0	78.7	50 - 120	5.017	24.1	20	R
2-Chloronaphthalene	2.762	0.20	5	0	55.2	50 - 120	4.135	39.8	20	R
2-Methylnaphthalene	3.612	0.10	5	0	72.2	50 - 120	5.215	36.3	20	R
4,6-Dinitro-2-methylphenol	0.02594	0.20	5	0	0.519	25 - 121	2.428	0	30	JS
4-Nitrophenol	4.589	1.0	5	0	91.8	30 - 130	3.823	18.2	20	
Acenaphthene	3.505	0.10	5	0	70.1	45 - 120	4.656	28.2	20	R
Acenaphthylene	3.174	0.10	5	0	63.5	47 - 120	4.311	30.4	20	R
Anthracene	4.486	0.10	5	0	89.7	45 - 120	5.227	15.2	20	
Benz(a)anthracene	3.874	0.10	5	0	77.5	40 - 120	4.526	15.5	20	
Benzo(a)pyrene	3.41	0.10	5	0	68.2	45 - 120	3.968	15.1	20	
Bis(2-chloroethoxy)methane	2.63	0.20	5	0	52.6	45 - 120	4.05	42.5	20	R
Bis(2-ethylhexyl)phthalate	4.028	0.20	5	0	80.6	40 - 139	5.065	22.8	20	R
Chrysene	4.846	0.10	5	0	96.9	43 - 120	5.853	18.8	20	
Dibenzofuran	3.672	0.10	5	0	73.4	50 - 120	4.933	29.3	20	R
Di-n-butyl phthalate	4.323	0.20	5	0	86.5	45 - 123	4.841	11.3	20	
Fluoranthene	4.146	0.10	5	0	82.9	45 - 125	5.024	19.2	20	
Fluorene	3.966	0.10	5	0	79.3	49 - 120	5.009	23.2	20	R
Naphthalene	3.118	0.10	5	0	62.4	45 - 120	5.15	49.1	20	R
Nitrobenzene	2.657	0.20	5	0	53.1	44 - 120	4.073	42.1	20	R
N-Nitrosodiphenylamine	3.84	0.20	5	0	76.8	40 - 125	4.853	23.3	20	R
Pentachlorophenol	0.6647	0.20	5	0	13.3	19 - 121	2.304	110	20	SR
Phenanthrene	4.2	0.10	5	0	84.0	45 - 121	4.868	14.7	20	
Phenol	0.9882	0.20	5	0	19.8	20 - 124	4.164	123	20	SR
Pyrene	4.297	0.10	5	0	85.9	40 - 130	4.857	12.2	20	
Surr: 2,4,6-Tribromophenol	*0.4086*	*0.20*	*5*	*0*	*8.17*	*34 - 129*	*4.525*	*167*	*20*	SR
Surr: 2-Fluorobiphenyl	*3.273*	*0.20*	*5*	*0*	*65.5*	*40 - 125*	*4.291*	*26.9*	*20*	R
Surr: 2-Fluorophenol	*0.0696*	*0.20*	*5*	*0*	*1.39*	*20 - 120*	*2.935*	*0*	*20*	JS
Surr: 4-Terphenyl-d14	*4.602*	*0.20*	*5*	*0*	*92.0*	*40 - 135*	*5.37*	*15.4*	*20*	
Surr: Nitrobenzene-d5	*2.078*	*0.20*	*5*	*0*	*41.6*	*41 - 120*	*3.88*	*60.5*	*20*	R
Surr: Phenol-d6	*0.6774*	*0.20*	*5*	*0*	*13.5*	*20 - 120*	*3.072*	*128*	*20*	SR

Revision: 1

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	HS22071151

QC BATCH REPORT

Batch ID: 181675 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22071151-02	HS22071151-03	HS22071151-04	HS22071151-05
HS22071151-06	HS22071151-07	HS22071151-08	HS22071151-09
HS22071151-10	HS22071151-11	HS22071151-12	HS22071151-13
HS22071151-14			

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: R413630 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220723** Units: **ug/L** Analysis Date: **23-Jul-2022 23:10**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762648** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*57.51*	*1.0*	*50*	*0*	*115*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.05*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.55*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*53.66*	*1.0*	*50*	*0*	*107*	*81 - 120*				

LCS Sample ID: **VLCSW-220723** Units: **ug/L** Analysis Date: **23-Jul-2022 22:25**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762646** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.35	1.0	20	0	96.8	70 - 124				
Benzene	17.51	1.0	20	0	87.6	74 - 120				
Chlorobenzene	18.59	1.0	20	0	93.0	76 - 113				
Ethylbenzene	17.31	1.0	20	0	86.5	77 - 117				
Methylene chloride	19.07	2.0	20	0	95.4	70 - 127				
Toluene	17.73	1.0	20	0	88.6	77 - 118				
Xylenes, Total	55.6	1.0	60	0	92.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.02*	*1.0*	*50*	*0*	*106*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.3*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*51.8*	*1.0*	*50*	*0*	*104*	*73 - 126*				
Surr: Toluene-d8	*51.89*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: R413630 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071114-01MS** Units: **ug/L** Analysis Date: **24-Jul-2022 01:03**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762653** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	33.36	1.0	20	0	167	70 - 127				S
Benzene	393	1.0	20	382.1	54.5	70 - 127				SEO
Chlorobenzene	21.34	1.0	20	0	107	70 - 114				
Ethylbenzene	21.01	1.0	20	0	105	70 - 124				
Methylene chloride	23.81	2.0	20	0	119	70 - 128				
Toluene	21.11	1.0	20	0	106	70 - 123				
Xylenes, Total	65.12	1.0	60	0	109	70 - 130				
Surr: 1,2-Dichloroethane-d4	*54.07*	*1.0*	*50*	*0*	*108*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*52.14*	*1.0*	*50*	*0*	*104*	*77 - 113*				
Surr: Dibromofluoromethane	*52.31*	*1.0*	*50*	*0*	*105*	*77 - 123*				
Surr: Toluene-d8	*49.89*	*1.0*	*50*	*0*	*99.8*	*82 - 127*				

MSD Sample ID: **HS22071114-01MSD** Units: **ug/L** Analysis Date: **24-Jul-2022 01:25**
Client ID: Run ID: **VOA11_413630** SeqNo: **6762654** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	34.21	1.0	20	0	171	70 - 127	33.36	2.52	20	S
Benzene	390	1.0	20	382.1	39.2	70 - 127	393	0.78	20	SEO
Chlorobenzene	21.2	1.0	20	0	106	70 - 114	21.34	0.632	20	
Ethylbenzene	20.85	1.0	20	0	104	70 - 124	21.01	0.744	20	
Methylene chloride	23.65	2.0	20	0	118	70 - 128	23.81	0.691	20	
Toluene	21.37	1.0	20	0	107	70 - 123	21.11	1.24	20	
Xylenes, Total	65.22	1.0	60	0	109	70 - 130	65.12	0.16	20	
Surr: 1,2-Dichloroethane-d4	*58.88*	*1.0*	*50*	*0*	*118*	*70 - 126*	*54.07*	*8.52*	*20*	
Surr: 4-Bromofluorobenzene	*51.33*	*1.0*	*50*	*0*	*103*	*77 - 113*	*52.14*	*1.56*	*20*	
Surr: Dibromofluoromethane	*53.45*	*1.0*	*50*	*0*	*107*	*77 - 123*	*52.31*	*2.17*	*20*	
Surr: Toluene-d8	*53.49*	*1.0*	*50*	*0*	*107*	*82 - 127*	*49.89*	*6.96*	*20*	

The following samples were analyzed in this batch: HS22071151-01 HS22071151-02 HS22071151-03

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: R413631 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220724** Units: **ug/L** Analysis Date: **24-Jul-2022 10:48**
Client ID: Run ID: **VOA11_413631** SeqNo: **6762675** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*56.07*	*1.0*	*50*	*0*	*112*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.9*	*1.0*	*50*	*0*	*104*	*77 - 113*				
Surr: Dibromofluoromethane	*48.82*	*1.0*	*50*	*0*	*97.6*	*73 - 126*				
Surr: Toluene-d8	*50.84*	*1.0*	*50*	*0*	*102*	*81 - 120*				

LCS Sample ID: **VLCSW-220724** Units: **ug/L** Analysis Date: **24-Jul-2022 10:03**
Client ID: Run ID: **VOA11_413631** SeqNo: **6762674** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.23	1.0	20	0	96.2	70 - 124				
Benzene	16.62	1.0	20	0	83.1	74 - 120				
Chlorobenzene	16.4	1.0	20	0	82.0	76 - 113				
Ethylbenzene	15.5	1.0	20	0	77.5	77 - 117				
Methylene chloride	18.41	2.0	20	0	92.0	70 - 127				
Toluene	16.14	1.0	20	0	80.7	77 - 118				
Xylenes, Total	48.81	1.0	60	0	81.3	75 - 122				
Surr: 1,2-Dichloroethane-d4	*57.07*	*1.0*	*50*	*0*	*114*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*54.05*	*1.0*	*50*	*0*	*108*	*77 - 113*				
Surr: Dibromofluoromethane	*52.84*	*1.0*	*50*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*51.91*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: R413631 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071149-01MS** Units: **ug/L** Analysis Date: **24-Jul-2022 13:26**
Client ID: Run ID: **VOA11_413631** SeqNo: **6762682** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.73	1.0	20	0	114	70 - 127				
Benzene	21.14	1.0	20	0	106	70 - 127				
Chlorobenzene	21.6	1.0	20	0	108	70 - 114				
Ethylbenzene	20.64	1.0	20	0	103	70 - 124				
Methylene chloride	22.84	2.0	20	0	114	70 - 128				
Toluene	21.06	1.0	20	0	105	70 - 123				
Xylenes, Total	65.36	1.0	60	0	109	70 - 130				
Surr: 1,2-Dichloroethane-d4	*53.41*	*1.0*	*50*	*0*	*107*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*51.02*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.73*	*1.0*	*50*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*51.95*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS22071149-01MSD** Units: **ug/L** Analysis Date: **24-Jul-2022 13:48**
Client ID: Run ID: **VOA11_413631** SeqNo: **6762683** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.86	1.0	20	0	114	70 - 127	22.73	0.559	20	
Benzene	20.44	1.0	20	0	102	70 - 127	21.14	3.4	20	
Chlorobenzene	20.87	1.0	20	0	104	70 - 114	21.6	3.46	20	
Ethylbenzene	20.18	1.0	20	0	101	70 - 124	20.64	2.28	20	
Methylene chloride	22.63	2.0	20	0	113	70 - 128	22.84	0.958	20	
Toluene	20.11	1.0	20	0	101	70 - 123	21.06	4.63	20	
Xylenes, Total	62.79	1.0	60	0	105	70 - 130	65.36	4.02	20	
Surr: 1,2-Dichloroethane-d4	*53.28*	*1.0*	*50*	*0*	*107*	*70 - 126*	*53.41*	*0.247*	*20*	
Surr: 4-Bromofluorobenzene	*51.24*	*1.0*	*50*	*0*	*102*	*77 - 113*	*51.02*	*0.419*	*20*	
Surr: Dibromofluoromethane	*51.82*	*1.0*	*50*	*0*	*104*	*77 - 123*	*50.73*	*2.12*	*20*	
Surr: Toluene-d8	*51.63*	*1.0*	*50*	*0*	*103*	*82 - 127*	*51.95*	*0.616*	*20*	

The following samples were analyzed in this batch: HS22071151-04 HS22071151-05

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: R413702 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220724** Units: **ug/L** Analysis Date: **25-Jul-2022 00:34**
Client ID: Run ID: **VOA7_413702** SeqNo: **6764605** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*52.65*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.1*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*51.16*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*51.67*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-220724** Units: **ug/L** Analysis Date: **24-Jul-2022 23:55**
Client ID: Run ID: **VOA7_413702** SeqNo: **6764604** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.64	1.0	20	0	93.2	70 - 124				
Benzene	19.56	1.0	20	0	97.8	74 - 120				
Chlorobenzene	18.8	1.0	20	0	94.0	76 - 113				
Ethylbenzene	18.73	1.0	20	0	93.7	77 - 117				
Methylene chloride	18.28	2.0	20	0	91.4	70 - 127				
Toluene	19	1.0	20	0	95.0	77 - 118				
Xylenes, Total	58.12	1.0	60	0	96.9	75 - 122				
Surr: 1,2-Dichloroethane-d4	*52.7*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.13*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*51.67*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*51.82*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071151

QC BATCH REPORT

Batch ID: R413702 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071168-09MS** Units: **ug/L** Analysis Date: **25-Jul-2022 01:33**
Client ID: Run ID: **VOA7_413702** SeqNo: **6764607** PrepDate: DF: **500**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	132400	500	10000	127000	53.2	70 - 127				SEO
Benzene	11170	500	10000	1412	97.6	70 - 127				
Chlorobenzene	9333	500	10000	0	93.3	70 - 114				
Ethylbenzene	9443	500	10000	0	94.4	70 - 124				
Methylene chloride	8762	1000	10000	0	87.6	70 - 128				
Toluene	9584	500	10000	0	95.8	70 - 123				
Xylenes, Total	28690	500	30000	0	95.6	70 - 130				
Surr: 1,2-Dichloroethane-d4	*23910*	*500*	*25000*	*0*	*95.6*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*25000*	*500*	*25000*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*25810*	*500*	*25000*	*0*	*103*	*77 - 123*				
Surr: Toluene-d8	*26080*	*500*	*25000*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS22071168-09MSD** Units: **ug/L** Analysis Date: **25-Jul-2022 01:53**
Client ID: Run ID: **VOA7_413702** SeqNo: **6764608** PrepDate: DF: **500**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	137400	500	10000	127000	104	70 - 127	132400	3.75	20	EO
Benzene	11360	500	10000	1412	99.5	70 - 127	11170	1.67	20	
Chlorobenzene	9810	500	10000	0	98.1	70 - 114	9333	4.98	20	
Ethylbenzene	9741	500	10000	0	97.4	70 - 124	9443	3.1	20	
Methylene chloride	9254	1000	10000	0	92.5	70 - 128	8762	5.46	20	
Toluene	9780	500	10000	0	97.8	70 - 123	9584	2.02	20	
Xylenes, Total	29870	500	30000	0	99.6	70 - 130	28690	4.03	20	
Surr: 1,2-Dichloroethane-d4	*23700*	*500*	*25000*	*0*	*94.8*	*70 - 126*	*23910*	*0.883*	*20*	
Surr: 4-Bromofluorobenzene	*25270*	*500*	*25000*	*0*	*101*	*77 - 113*	*25000*	*1.06*	*20*	
Surr: Dibromofluoromethane	*25720*	*500*	*25000*	*0*	*103*	*77 - 123*	*25810*	*0.355*	*20*	
Surr: Toluene-d8	*25780*	*500*	*25000*	*0*	*103*	*82 - 127*	*26080*	*1.15*	*20*	

The following samples were analyzed in this batch:

HS22071151-06	HS22071151-07	HS22071151-08	HS22071151-09
HS22071151-10	HS22071151-11	HS22071151-12	HS22071151-13
HS22071151-14			

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22071151**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

Sample Receipt Checklist

Work Order ID: HS22071151 **Date/Time Received:** **22-Jul-2022 10:50**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By:	/S/ Pablo Marinez	22-Jul-2022 15:53	**Reviewed by:**	/S/ Dane J. Wacasey	29-Jul-2022 12:30
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** 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:274815/825
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):	0.9°C/1.4°C, 1.8°C/2.3°C, 1.5°C/2.0°C UC/C	IR 31
Cooler(s)/Kit(s):	43229, 47792, 47583	
Date/Time sample(s) sent to storage:	7/22/22 16:00	

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
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

COC ID: 274815

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
Work Order		Project Number	1620-01-Rev1 SR 92688	B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P	C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D ICP_TW (5636002 Metals - As) [120ml PI HNO3]
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750	E F
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750	G
Phone	(512) 671-3434	Phone		H
Fax	(512) 671-3446	Fax		I
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		J

HS22071151

WSP Golder

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 ~~WG~~-1620-TB 06-2022 0721	7-21-22		Water	1,8	2	X										
2	WG-1620-MW53C-20220720	7-20-22	1705	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-MW46C-20220720	7-20-22	1810	GW		6	X		X	X							
4	WG-1620-MW44C-20220721	7-21-22	0755	GW		6	X		X	X							
5	WG-1620-MW36B-20220721	7-21-22	0855	GW		6	X		X	X							
6	WG-1620-FD03-20220721	7-21-22	0855	GW		6	X		X	X							
7	WG-1620-MW71B-20220721	7-21-22	0955	GW		6	X		X	X							
8	WG-1620-MW63B-20220721	7-21-22	1050	GW		6	X		X	X							
9	WG-1620-MW33A-20220721	7-21-22	1250	GW		6	X		X	X							
10	WG-1620-FD04-20220721	7-21-22	1250	GW		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: | Date: 7-22-22 | Time: 1050 | Received by:

Relinquished by: | Date: | Time: | Received by (Laboratory): 7/22/2022 10:50

Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
45224	0.3°C
47792	1.5°C
47583	1.5°C

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.

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Chain of Custody Form

COC ID: 274825

ALS Project Manager:	ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
Work Order		Project Number	1620-01-Rev1 SR 92688	B	8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P	C	8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	ICP_TW (5636002 Metals - As) [120ml PI HNO3]
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750	E F	**HS22071151** WSP Golder Houston TX-Wood Preserving Works
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WG-1620-TB-----2022~~			~~Water~~	~~1,8~~	~~2~~											
2	WG-1620-MW70C-20220721	7-21-22	1335	Groundwa	1,2,8	6	X		XX								
3	WG-1620-MW70B-20220721	7-21-22	1425	GW		6	X		XX								
4	WG-1620-MW32AR-20220721	7-21-22	1510	GW		6	X		XX								
5	WG-1620-MW32B-20220721	7-21-22	1600	GW		6	X		XX								
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: | Date: 7-22-22 | Time: 1050 | Received by:

Relinquished by: | Date: | Time: | Received by (Laboratory): 7/22/22 10:50

Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

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.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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F: +1 281 530 5887

August 05, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22071321**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 13 sample(s) on Jul 26, 2022 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
Dane J. Wacasey

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22071321**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22071321**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/05/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071321					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181732,181982,R413872,R413873,R413887					
#[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			2
		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			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 effects 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				

Laboratory Review Checklist: Supporting Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/05/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071321					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181732,181982,R413872,R413873,R413887					
#[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: 08/05/2022
Project Name: Houston TX-Wood Preserving Works		Laboratory Job Number: HS22071321
Reviewer Name: Dane Wacasey		Prep Batch Number(s): 181732,181982,R413872,R413873,R413887
ER#[5]	**Description**	
1	Semivolatile Organics Method SW8270, samples WG-1620-MW96B-20220722, WG-1620-FB09-20220722, WG-1620-MW95A-20220722, WG-1620-FB10-20220724surrogate 4-Terphenyl-d14 recovered above the control limit. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes. Semivolatile Organics Method SW8270, samples WG-1620-MW12B-20220724, WG-1620-MW41B-20220724 the surrogate recoveries could not be determined due to dilution below the calibration range.	
2	Batch 181732, Semivolatile Organics Method SW8270, LCS recovery was above the control limits for Di-n-butyl phthalate. The associated results are non-detect.	
3	Batch 181732, Semivolatile Organics Method SW8270, sample WG-1620-MW61A-20220722, MS and or MSD recovered outside the control limit for some compounds due to suspect matrix effect Batch R413872, Volatile Organics Method SW8260, sample HS22071163-01, MS and MSD were performed on unrelated sample	
4	Batch 181732, Semivolatile Organics Method SW8270, sample WG-1620-MW12B-20220724, the GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference. Batch R413887, Volatile Organics Method SW8260, samples WG-1620-MW12B-20220724, WG-1620-MW41B-20220724; Lowest practical dilution performed due to high concentration of non-target compound.	

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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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22071321

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22071321-01	WG-1620-TB07-20220724	Water	CG-061422-504	24-Jul-2022 00:00	26-Jul-2022 12:00	☐
HS22071321-02	WG-1620-MW96B-20220722	Groundwater		22-Jul-2022 08:05	26-Jul-2022 12:00	☐
HS22071321-03	WG-1620-FB09-20220722	Water		22-Jul-2022 07:15	26-Jul-2022 12:00	☐
HS22071321-04	WG-1620-MW95A-20220722	Groundwater		22-Jul-2022 09:05	26-Jul-2022 12:00	☐
HS22071321-05	WG-1620-MW61B-20220722	Groundwater		22-Jul-2022 10:15	26-Jul-2022 12:00	☐
HS22071321-06	WG-1620-MW61A-20220722	Groundwater		22-Jul-2022 11:05	26-Jul-2022 12:00	☐
HS22071321-07	WG-1620-MW47C-20220724	Groundwater		24-Jul-2022 12:45	26-Jul-2022 12:00	☐
HS22071321-08	WG-1620-FB10-20220724	Water		24-Jul-2022 12:15	26-Jul-2022 12:00	☐
HS22071321-09	WG-1620-MW47A-20220724	Groundwater		24-Jul-2022 13:40	26-Jul-2022 12:00	☐
HS22071321-10	WG-1620-MW34CR-20220724	Groundwater		24-Jul-2022 14:45	26-Jul-2022 12:00	☐
HS22071321-11	WG-1620-MW12B-20220724	Groundwater		24-Jul-2022 16:00	26-Jul-2022 12:00	☐
HS22071321-12	WG-1620-MW41B-20220724	Groundwater		24-Jul-2022 17:10	26-Jul-2022 12:00	☐
HS22071321-13	WG-1620-FB11-20220725	Water		25-Jul-2022 07:10	26-Jul-2022 12:00	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB07-20220724
Collection Date: 24-Jul-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 17:32
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 17:32
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 17:32
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 17:32
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 17:32
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 17:32
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 17:32
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*27-Jul-2022 17:32*
Surr: 4-Bromofluorobenzene	*91.3*			*77-113*	*%REC*	*1*	*27-Jul-2022 17:32*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*27-Jul-2022 17:32*
Surr: Toluene-d8	*99.4*			*82-127*	*%REC*	*1*	*27-Jul-2022 17:32*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW96B-20220722
Collection Date: 22-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-02
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	27-Jul-2022 19:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 19:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:00
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:00
Surr: 1,2-Dichloroethane-d4	*88.5*			*70-126*	*%REC*	*1*	*27-Jul-2022 19:00*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*27-Jul-2022 19:00*
Surr: Dibromofluoromethane	*85.7*			*77-123*	*%REC*	*1*	*27-Jul-2022 19:00*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*27-Jul-2022 19:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW96B-20220722
Collection Date: 22-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:46
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 15:46
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 15:46
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 15:46
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:46
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 15:46
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:46
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 15:46
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 15:46
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 15:46
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 15:46
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 15:46
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:46
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 15:46
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 15:46
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 15:46
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:46
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:46
Fluoranthene	**0.000013**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 15:46
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 15:46
Naphthalene	**0.000062**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 15:46
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 15:46
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 15:46
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 15:46
Phenanthrene	**0.000023**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 15:46
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 15:46
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 15:46
Surr: 2,4,6-Tribromophenol	*103*			*34-129*	*%REC*	*1*	*02-Aug-2022 15:46*
Surr: 2-Fluorobiphenyl	*66.0*			*40-125*	*%REC*	*1*	*02-Aug-2022 15:46*
Surr: 2-Fluorophenol	*62.7*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:46*
Surr: 4-Terphenyl-d14	*151*	*S*		*40-135*	*%REC*	*1*	*02-Aug-2022 15:46*
Surr: Nitrobenzene-d5	*67.3*			*41-120*	*%REC*	*1*	*02-Aug-2022 15:46*
Surr: Phenol-d6	*63.8*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:46*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB09-20220722
Collection Date: 22-Jul-2022 07:15

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 17:54
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 17:54
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 17:54
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 17:54
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 17:54
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 17:54
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 17:54
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*27-Jul-2022 17:54*
Surr: 4-Bromofluorobenzene	*88.6*			*77-113*	*%REC*	*1*	*27-Jul-2022 17:54*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*27-Jul-2022 17:54*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*27-Jul-2022 17:54*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB09-20220722
Collection Date: 22-Jul-2022 07:15

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:05
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 16:05
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 16:05
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 16:05
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:05
2-Methylnaphthalene	**0.000028**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 16:05
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:05
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 16:05
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 16:05
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 16:05
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 16:05
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 16:05
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:05
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 16:05
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 16:05
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 16:05
Dibenzofuran	**0.000029**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 16:05
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:05
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 16:05
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 16:05
Naphthalene	**0.000074**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 16:05
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 16:05
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 16:05
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 16:05
Phenanthrene	**0.000058**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 16:05
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 16:05
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:05
Surr: 2,4,6-Tribromophenol	*105*			*34-129*	*%REC*	*1*	*02-Aug-2022 16:05*
Surr: 2-Fluorobiphenyl	*95.9*			*40-125*	*%REC*	*1*	*02-Aug-2022 16:05*
Surr: 2-Fluorophenol	*96.1*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:05*
Surr: 4-Terphenyl-d14	*141*	*S*		*40-135*	*%REC*	*1*	*02-Aug-2022 16:05*
Surr: Nitrobenzene-d5	*97.1*			*41-120*	*%REC*	*1*	*02-Aug-2022 16:05*
Surr: Phenol-d6	*91.9*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:05*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 17:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW95A-20220722
Collection Date: 22-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-04
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	27-Jul-2022 19:21
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:21
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:21
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:21
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 19:21
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:21
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:21
Surr: 1,2-Dichloroethane-d4	*91.0*			*70-126*	*%REC*	*1*	*27-Jul-2022 19:21*
Surr: 4-Bromofluorobenzene	*95.9*			*77-113*	*%REC*	*1*	*27-Jul-2022 19:21*
Surr: Dibromofluoromethane	*87.0*			*77-123*	*%REC*	*1*	*27-Jul-2022 19:21*
Surr: Toluene-d8	*99.5*			*82-127*	*%REC*	*1*	*27-Jul-2022 19:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW95A-20220722
Collection Date: 22-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:24
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 16:24
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 16:24
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 16:24
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:24
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:24
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:24
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 16:24
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 16:24
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 16:24
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 16:24
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 16:24
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:24
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 16:24
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 16:24
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 16:24
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:24
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:24
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 16:24
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 16:24
Naphthalene	**0.000086**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 16:24
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 16:24
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 16:24
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 16:24
Phenanthrene	**0.000027**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 16:24
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 16:24
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:24
Surr: 2,4,6-Tribromophenol	*117*			*34-129*	*%REC*	*1*	*02-Aug-2022 16:24*
Surr: 2-Fluorobiphenyl	*73.4*			*40-125*	*%REC*	*1*	*02-Aug-2022 16:24*
Surr: 2-Fluorophenol	*64.3*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:24*
Surr: 4-Terphenyl-d14	*149*	*S*		*40-135*	*%REC*	*1*	*02-Aug-2022 16:24*
Surr: Nitrobenzene-d5	*71.4*			*41-120*	*%REC*	*1*	*02-Aug-2022 16:24*
Surr: Phenol-d6	*70.1*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:24*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 17:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW61B-20220722
Collection Date: 22-Jul-2022 10:15

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-05
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	27-Jul-2022 19:43
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:43
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 19:43
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:43
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:43
Surr: 1,2-Dichloroethane-d4	*86.7*			*70-126*	*%REC*	*1*	*27-Jul-2022 19:43*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*27-Jul-2022 19:43*
Surr: Dibromofluoromethane	*85.0*			*77-123*	*%REC*	*1*	*27-Jul-2022 19:43*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*27-Jul-2022 19:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW61B-20220722
Collection Date: 22-Jul-2022 10:15

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:43
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 16:43
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 16:43
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 16:43
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 16:43
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 16:43
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:43
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 16:43
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 16:43
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 16:43
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 16:43
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 16:43
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:43
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 16:43
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 16:43
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 16:43
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 16:43
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 16:43
Fluoranthene	**0.000025**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 16:43
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 16:43
Naphthalene	**0.000068**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 16:43
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 16:43
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 16:43
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 16:43
Phenanthrene	**0.000029**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 16:43
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 16:43
Pyrene	**0.000025**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 16:43
Surr: 2,4,6-Tribromophenol	*96.7*			*34-129*	*%REC*	*1*	*02-Aug-2022 16:43*
Surr: 2-Fluorobiphenyl	*57.3*			*40-125*	*%REC*	*1*	*02-Aug-2022 16:43*
Surr: 2-Fluorophenol	*51.3*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:43*
Surr: 4-Terphenyl-d14	*127*			*40-135*	*%REC*	*1*	*02-Aug-2022 16:43*
Surr: Nitrobenzene-d5	*60.8*			*41-120*	*%REC*	*1*	*02-Aug-2022 16:43*
Surr: Phenol-d6	*57.8*			*20-120*	*%REC*	*1*	*02-Aug-2022 16:43*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 17:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW61A-20220722
Collection Date: 22-Jul-2022 11:05

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-06
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	27-Jul-2022 19:10
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:10
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:10
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:10
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 19:10
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:10
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:10
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*27-Jul-2022 19:10*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*27-Jul-2022 19:10*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*27-Jul-2022 19:10*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*27-Jul-2022 19:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW61A-20220722
Collection Date: 22-Jul-2022 11:05

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:27
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 15:27
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 15:27
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 15:27
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 15:27
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 15:27
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:27
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 15:27
Acenaphthene	**0.000047**	J	**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2022 15:27
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 15:27
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 15:27
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 15:27
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:27
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 15:27
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 15:27
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 15:27
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 15:27
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 15:27
Fluoranthene	**0.000020**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 15:27
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 15:27
Naphthalene	**0.000061**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 15:27
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 15:27
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 15:27
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 15:27
Phenanthrene	**0.000027**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 15:27
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 15:27
Pyrene	**0.000022**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 15:27
Surr: 2,4,6-Tribromophenol	*89.8*			*34-129*	*%REC*	*1*	*02-Aug-2022 15:27*
Surr: 2-Fluorobiphenyl	*50.3*			*40-125*	*%REC*	*1*	*02-Aug-2022 15:27*
Surr: 2-Fluorophenol	*51.4*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:27*
Surr: 4-Terphenyl-d14	*118*			*40-135*	*%REC*	*1*	*02-Aug-2022 15:27*
Surr: Nitrobenzene-d5	*51.9*			*41-120*	*%REC*	*1*	*02-Aug-2022 15:27*
Surr: Phenol-d6	*50.2*			*20-120*	*%REC*	*1*	*02-Aug-2022 15:27*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 19:54

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47C-20220724
Collection Date: 24-Jul-2022 12:45

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-07
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	27-Jul-2022 20:04
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 20:04
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 20:04
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 20:04
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 20:04
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 20:04
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 20:04
Surr: 1,2-Dichloroethane-d4	*92.2*			*70-126*	*%REC*	*1*	*27-Jul-2022 20:04*
Surr: 4-Bromofluorobenzene	*98.2*			*77-113*	*%REC*	*1*	*27-Jul-2022 20:04*
Surr: Dibromofluoromethane	*86.7*			*77-123*	*%REC*	*1*	*27-Jul-2022 20:04*
Surr: Toluene-d8	*100.0*			*82-127*	*%REC*	*1*	*27-Jul-2022 20:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47C-20220724
Collection Date: 24-Jul-2022 12:45

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 17:02
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 17:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 17:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 17:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 17:02
2-Methylnaphthalene	**0.00047**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 17:02
Acenaphthene	**0.00041**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Acenaphthylene	**0.000020**	J	**0.000015**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Anthracene	**0.00032**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Benz(a)anthracene	**0.000093**	J	**0.000050**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 17:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 17:02
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 17:02
Chrysene	**0.000069**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Dibenzofuran	**0.00052**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:02
Fluoranthene	**0.00050**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Fluorene	**0.00050**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Naphthalene	**0.0011**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 17:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 17:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 17:02
Phenanthrene	**0.0016**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 17:02
Pyrene	**0.00038**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 17:02
Surr: 2,4,6-Tribromophenol	*124*			*34-129*	*%REC*	*1*	*02-Aug-2022 17:02*
Surr: 2-Fluorobiphenyl	*65.4*			*40-125*	*%REC*	*1*	*02-Aug-2022 17:02*
Surr: 2-Fluorophenol	*59.5*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:02*
Surr: 4-Terphenyl-d14	*132*			*40-135*	*%REC*	*1*	*02-Aug-2022 17:02*
Surr: Nitrobenzene-d5	*66.9*			*41-120*	*%REC*	*1*	*02-Aug-2022 17:02*
Surr: Phenol-d6	*68.5*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:02*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	**0.000690**	J	**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 18:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB10-20220724
Collection Date: 24-Jul-2022 12:15

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 18:16
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 18:16
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 18:16
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 18:16
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 18:16
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 18:16
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 18:16
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*27-Jul-2022 18:16*
Surr: 4-Bromofluorobenzene	*88.5*			*77-113*	*%REC*	*1*	*27-Jul-2022 18:16*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*27-Jul-2022 18:16*
Surr: Toluene-d8	*99.3*			*82-127*	*%REC*	*1*	*27-Jul-2022 18:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB10-20220724
Collection Date: 24-Jul-2022 12:15

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 17:21
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 17:21
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 17:21
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 17:21
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 17:21
2-Methylnaphthalene	**0.000027**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 17:21
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:21
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 17:21
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 17:21
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 17:21
Anthracene	**0.000018**	J	**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2022 17:21
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 17:21
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 17:21
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 17:21
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 17:21
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 17:21
Dibenzofuran	**0.000036**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 17:21
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:21
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 17:21
Fluorene	**0.000031**	J	**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2022 17:21
Naphthalene	**0.000094**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 17:21
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 17:21
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 17:21
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 17:21
Phenanthrene	**0.000074**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 17:21
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 17:21
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 17:21
Surr: 2,4,6-Tribromophenol	*112*			*34-129*	*%REC*	*1*	*02-Aug-2022 17:21*
Surr: 2-Fluorobiphenyl	*103*			*40-125*	*%REC*	*1*	*02-Aug-2022 17:21*
Surr: 2-Fluorophenol	*92.8*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:21*
Surr: 4-Terphenyl-d14	*149*	*S*		*40-135*	*%REC*	*1*	*02-Aug-2022 17:21*
Surr: Nitrobenzene-d5	*104*			*41-120*	*%REC*	*1*	*02-Aug-2022 17:21*
Surr: Phenol-d6	*99.7*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:21*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 18:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47A-20220724
Collection Date: 24-Jul-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:01
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:01
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:01
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:01
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 19:01
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 19:01
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 19:01
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*27-Jul-2022 19:01*
Surr: 4-Bromofluorobenzene	*87.1*			*77-113*	*%REC*	*1*	*27-Jul-2022 19:01*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*27-Jul-2022 19:01*
Surr: Toluene-d8	*98.4*			*82-127*	*%REC*	*1*	*27-Jul-2022 19:01*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW47A-20220724
Collection Date: 24-Jul-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 17:39
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 17:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 17:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 17:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 17:39
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 17:39
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 17:39
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 17:39
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 17:39
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2022 17:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 17:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 17:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 17:39
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 17:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 17:39
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 17:39
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:39
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 17:39
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 17:39
Naphthalene	**0.000065**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 17:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 17:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 17:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 17:39
Phenanthrene	**0.000029**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 17:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 17:39
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 17:39
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*1*	*02-Aug-2022 17:39*
Surr: 2-Fluorobiphenyl	*70.1*			*40-125*	*%REC*	*1*	*02-Aug-2022 17:39*
Surr: 2-Fluorophenol	*60.1*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:39*
Surr: 4-Terphenyl-d14	*127*			*40-135*	*%REC*	*1*	*02-Aug-2022 17:39*
Surr: Nitrobenzene-d5	*70.4*			*41-120*	*%REC*	*1*	*02-Aug-2022 17:39*
Surr: Phenol-d6	*67.1*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:39*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	**0.00114**	J	**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 18:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW34CR-20220724
Collection Date: 24-Jul-2022 14:45

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 20:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 20:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 20:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 20:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 20:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 20:08
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 20:08
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*27-Jul-2022 20:08*
Surr: 4-Bromofluorobenzene	*90.1*			*77-113*	*%REC*	*1*	*27-Jul-2022 20:08*
Surr: Dibromofluoromethane	*100.0*			*77-123*	*%REC*	*1*	*27-Jul-2022 20:08*
Surr: Toluene-d8	*97.3*			*82-127*	*%REC*	*1*	*27-Jul-2022 20:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW34CR-20220724
Collection Date: 24-Jul-2022 14:45

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	**0.000026**	J	**0.000021**	**0.00020**	**mg/L**	1	02-Aug-2022 17:58
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 17:58
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 17:58
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 17:58
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 17:58
2-Methylnaphthalene	**0.000058**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:58
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 17:58
Acenaphthene	**0.000038**	J	**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Acenaphthylene	**0.000096**	J	**0.000015**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Anthracene	**0.00014**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Benz(a)anthracene	**0.000094**	J	**0.000050**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 17:58
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 17:58
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 17:58
Chrysene	**0.00011**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Dibenzofuran	**0.000046**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 17:58
Fluoranthene	**0.00020**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Fluorene	**0.000050**	J	**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Naphthalene	**0.00027**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 17:58
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 17:58
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 17:58
Phenanthrene	**0.00014**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 17:58
Pyrene	**0.00021**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 17:58
Surr: 2,4,6-Tribromophenol	*127*			*34-129*	*%REC*	*1*	*02-Aug-2022 17:58*
Surr: 2-Fluorobiphenyl	*93.8*			*40-125*	*%REC*	*1*	*02-Aug-2022 17:58*
Surr: 2-Fluorophenol	*79.5*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:58*
Surr: 4-Terphenyl-d14	*128*			*40-135*	*%REC*	*1*	*02-Aug-2022 17:58*
Surr: Nitrobenzene-d5	*89.6*			*41-120*	*%REC*	*1*	*02-Aug-2022 17:58*
Surr: Phenol-d6	*87.4*			*20-120*	*%REC*	*1*	*02-Aug-2022 17:58*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 18:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12B-20220724
Collection Date: 24-Jul-2022 16:00

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	27-Jul-2022 19:23
Benzene	< 0.0020		0.0020	0.010	mg/L	10	27-Jul-2022 19:23
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	27-Jul-2022 19:23
Ethylbenzene	**0.0086**	J	**0.0030**	**0.010**	**mg/L**	10	27-Jul-2022 19:23
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	27-Jul-2022 19:23
Toluene	< 0.0020		0.0020	0.010	mg/L	10	27-Jul-2022 19:23
Xylenes, Total	**0.0056**	J	**0.0030**	**0.010**	**mg/L**	10	27-Jul-2022 19:23
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*10*	*27-Jul-2022 19:23*
Surr: 4-Bromofluorobenzene	*93.0*			*77-113*	*%REC*	*10*	*27-Jul-2022 19:23*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*10*	*27-Jul-2022 19:23*
Surr: Toluene-d8	*97.4*			*82-127*	*%REC*	*10*	*27-Jul-2022 19:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW12B-20220724
Collection Date: 24-Jul-2022 16:00

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.021		0.021	0.20	mg/L	1000	02-Aug-2022 04:12
2,4-Dimethylphenol	< 0.040		0.040	0.20	mg/L	1000	02-Aug-2022 04:12
2,4-Dinitrotoluene	< 0.058		0.058	0.20	mg/L	1000	02-Aug-2022 04:12
2,6-Dinitrotoluene	< 0.042		0.042	0.20	mg/L	1000	02-Aug-2022 04:12
2-Chloronaphthalene	< 0.021		0.021	0.20	mg/L	1000	02-Aug-2022 04:12
2-Methylnaphthalene	**1.0**		**0.019**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
4,6-Dinitro-2-methylphenol	< 0.020		0.020	0.20	mg/L	1000	02-Aug-2022 04:12
4-Nitrophenol	< 0.047		0.047	1.0	mg/L	1000	02-Aug-2022 04:12
Acenaphthene	**0.95**		**0.027**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Acenaphthylene	**0.039**	J	**0.015**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Anthracene	**0.37**		**0.014**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Benz(a)anthracene	**0.21**		**0.050**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Benzo(a)pyrene	< 0.020		0.020	0.10	mg/L	1000	02-Aug-2022 04:12
Bis(2-chloroethoxy)methane	< 0.030		0.030	0.20	mg/L	1000	02-Aug-2022 04:12
Bis(2-ethylhexyl)phthalate	< 0.037		0.037	0.20	mg/L	1000	02-Aug-2022 04:12
Chrysene	**0.14**		**0.021**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Dibenzofuran	**0.90**		**0.020**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Di-n-butyl phthalate	< 0.020		0.020	0.20	mg/L	1000	02-Aug-2022 04:12
Fluoranthene	**1.2**		**0.010**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Fluorene	**1.0**		**0.030**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Naphthalene	**3.9**		**0.020**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Nitrobenzene	< 0.024		0.024	0.20	mg/L	1000	02-Aug-2022 04:12
N-Nitrosodiphenylamine	< 0.025		0.025	0.20	mg/L	1000	02-Aug-2022 04:12
Pentachlorophenol	< 0.079		0.079	0.20	mg/L	1000	02-Aug-2022 04:12
Phenanthrene	**2.7**		**0.021**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Phenol	< 0.035		0.035	0.20	mg/L	1000	02-Aug-2022 04:12
Pyrene	**0.65**		**0.019**	**0.10**	**mg/L**	1000	02-Aug-2022 04:12
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*02-Aug-2022 04:12*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*02-Aug-2022 04:12*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 04:12*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*02-Aug-2022 04:12*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*02-Aug-2022 04:12*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 04:12*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	**0.0388**		**0.000800**	**0.00400**	**mg/L**	2	04-Aug-2022 18:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW41B-20220724
Collection Date: 24-Jul-2022 17:10

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	27-Jul-2022 19:46
Benzene	**0.011**		**0.0020**	**0.010**	**mg/L**	10	27-Jul-2022 19:46
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	27-Jul-2022 19:46
Ethylbenzene	**0.052**		**0.0030**	**0.010**	**mg/L**	10	27-Jul-2022 19:46
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	27-Jul-2022 19:46
Toluene	**0.042**		**0.0020**	**0.010**	**mg/L**	10	27-Jul-2022 19:46
Xylenes, Total	**0.12**		**0.0030**	**0.010**	**mg/L**	10	27-Jul-2022 19:46
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*10*	*27-Jul-2022 19:46*
Surr: 4-Bromofluorobenzene	*93.0*			*77-113*	*%REC*	*10*	*27-Jul-2022 19:46*
Surr: Dibromofluoromethane	*99.8*			*77-123*	*%REC*	*10*	*27-Jul-2022 19:46*
Surr: Toluene-d8	*97.3*			*82-127*	*%REC*	*10*	*27-Jul-2022 19:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW41B-20220724
Collection Date: 24-Jul-2022 17:10

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.021		0.021	0.20	mg/L	1000	02-Aug-2022 04:50
2,4-Dimethylphenol	< 0.040		0.040	0.20	mg/L	1000	02-Aug-2022 04:50
2,4-Dinitrotoluene	< 0.058		0.058	0.20	mg/L	1000	02-Aug-2022 04:50
2,6-Dinitrotoluene	< 0.042		0.042	0.20	mg/L	1000	02-Aug-2022 04:50
2-Chloronaphthalene	< 0.021		0.021	0.20	mg/L	1000	02-Aug-2022 04:50
2-Methylnaphthalene	**0.88**		**0.019**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
4,6-Dinitro-2-methylphenol	< 0.020		0.020	0.20	mg/L	1000	02-Aug-2022 04:50
4-Nitrophenol	< 0.047		0.047	1.0	mg/L	1000	02-Aug-2022 04:50
Acenaphthene	**0.61**		**0.027**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
Acenaphthylene	< 0.015		0.015	0.10	mg/L	1000	02-Aug-2022 04:50
Anthracene	**0.13**		**0.014**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
Benz(a)anthracene	< 0.050		0.050	0.10	mg/L	1000	02-Aug-2022 04:50
Benzo(a)pyrene	< 0.020		0.020	0.10	mg/L	1000	02-Aug-2022 04:50
Bis(2-chloroethoxy)methane	< 0.030		0.030	0.20	mg/L	1000	02-Aug-2022 04:50
Bis(2-ethylhexyl)phthalate	< 0.037		0.037	0.20	mg/L	1000	02-Aug-2022 04:50
Chrysene	< 0.021		0.021	0.10	mg/L	1000	02-Aug-2022 04:50
Dibenzofuran	**0.55**		**0.020**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
Di-n-butyl phthalate	< 0.020		0.020	0.20	mg/L	1000	02-Aug-2022 04:50
Fluoranthene	**0.35**		**0.010**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
Fluorene	**0.57**		**0.030**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
Naphthalene	**10**		**0.20**	**1.0**	**mg/L**	10000	03-Aug-2022 13:16
Nitrobenzene	< 0.024		0.024	0.20	mg/L	1000	02-Aug-2022 04:50
N-Nitrosodiphenylamine	< 0.025		0.025	0.20	mg/L	1000	02-Aug-2022 04:50
Pentachlorophenol	< 0.079		0.079	0.20	mg/L	1000	02-Aug-2022 04:50
Phenanthrene	**1.0**		**0.021**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
Phenol	< 0.035		0.035	0.20	mg/L	1000	02-Aug-2022 04:50
Pyrene	**0.19**		**0.019**	**0.10**	**mg/L**	1000	02-Aug-2022 04:50
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*03-Aug-2022 13:16*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*02-Aug-2022 04:50*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*02-Aug-2022 04:50*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*03-Aug-2022 13:16*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*03-Aug-2022 13:16*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 04:50*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*02-Aug-2022 04:50*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*03-Aug-2022 13:16*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*03-Aug-2022 13:16*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*02-Aug-2022 04:50*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*02-Aug-2022 04:50*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*03-Aug-2022 13:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW41B-20220724
Collection Date: 24-Jul-2022 17:10

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	**0.0560**		**0.000800**	**0.00400**	**mg/L**	2	04-Aug-2022 18:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB11-20220725
Collection Date: 25-Jul-2022 07:10

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 18:39
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 18:39
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 18:39
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 18:39
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2022 18:39
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2022 18:39
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2022 18:39
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*27-Jul-2022 18:39*
Surr: 4-Bromofluorobenzene	*87.5*			*77-113*	*%REC*	*1*	*27-Jul-2022 18:39*
Surr: Dibromofluoromethane	*100*			*77-123*	*%REC*	*1*	*27-Jul-2022 18:39*
Surr: Toluene-d8	*99.1*			*82-127*	*%REC*	*1*	*27-Jul-2022 18:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB11-20220725
Collection Date: 25-Jul-2022 07:10

ANALYTICAL REPORT
WorkOrder:HS22071321
Lab ID:HS22071321-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 18:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2022 18:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2022 18:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2022 18:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2022 18:17
2-Methylnaphthalene	**0.000024**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2022 18:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 18:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2022 18:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2022 18:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2022 18:17
Anthracene	**0.000017**	J	**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2022 18:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2022 18:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2022 18:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2022 18:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2022 18:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2022 18:17
Dibenzofuran	**0.000038**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 18:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2022 18:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2022 18:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2022 18:17
Naphthalene	**0.000081**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2022 18:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2022 18:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2022 18:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2022 18:17
Phenanthrene	**0.000063**	J	**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2022 18:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2022 18:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2022 18:17
Surr: 2,4,6-Tribromophenol	*112*			*34-129*	*%REC*	*1*	*02-Aug-2022 18:17*
Surr: 2-Fluorobiphenyl	*99.2*			*40-125*	*%REC*	*1*	*02-Aug-2022 18:17*
Surr: 2-Fluorophenol	*86.3*			*20-120*	*%REC*	*1*	*02-Aug-2022 18:17*
Surr: 4-Terphenyl-d14	*131*			*40-135*	*%REC*	*1*	*02-Aug-2022 18:17*
Surr: Nitrobenzene-d5	*96.3*			*41-120*	*%REC*	*1*	*02-Aug-2022 18:17*
Surr: Phenol-d6	*91.6*			*20-120*	*%REC*	*1*	*02-Aug-2022 18:17*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	04-Aug-2022 18:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

Batch ID: 181732 **Start Date:** 28 Jul 2022 06:30 **End Date:** 28 Jul 2022 11:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071321-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071321-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 181982 **Start Date:** 03 Aug 2022 10:00 **End Date:** 03 Aug 2022 14:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071321-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071321-13		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181732 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22071321-03	WG-1620-FB09-20220722	22 Jul 2022 07:15		28 Jul 2022 10:17	02 Aug 2022 16:05	1
HS22071321-08	WG-1620-FB10-20220724	24 Jul 2022 12:15		28 Jul 2022 10:17	02 Aug 2022 17:21	1
HS22071321-13	WG-1620-FB11-20220725	25 Jul 2022 07:10		28 Jul 2022 10:17	02 Aug 2022 18:17	1
Batch ID: 181732 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS22071321-02	WG-1620-MW96B-20220722	22 Jul 2022 08:05		28 Jul 2022 10:17	02 Aug 2022 15:46	1
HS22071321-04	WG-1620-MW95A-20220722	22 Jul 2022 09:05		28 Jul 2022 10:17	02 Aug 2022 16:24	1
HS22071321-05	WG-1620-MW61B-20220722	22 Jul 2022 10:15		28 Jul 2022 10:17	02 Aug 2022 16:43	1
HS22071321-06	WG-1620-MW61A-20220722	22 Jul 2022 11:05		28 Jul 2022 10:17	02 Aug 2022 15:27	1
HS22071321-07	WG-1620-MW47C-20220724	24 Jul 2022 12:45		28 Jul 2022 10:17	02 Aug 2022 17:02	1
HS22071321-09	WG-1620-MW47A-20220724	24 Jul 2022 13:40		28 Jul 2022 10:17	02 Aug 2022 17:39	1
HS22071321-10	WG-1620-MW34CR-20220724	24 Jul 2022 14:45		28 Jul 2022 10:17	02 Aug 2022 17:58	1
HS22071321-11	WG-1620-MW12B-20220724	24 Jul 2022 16:00		28 Jul 2022 10:17	02 Aug 2022 04:12	1000
HS22071321-12	WG-1620-MW41B-20220724	24 Jul 2022 17:10		28 Jul 2022 10:17	03 Aug 2022 13:16	10000
HS22071321-12	WG-1620-MW41B-20220724	24 Jul 2022 17:10		28 Jul 2022 10:17	02 Aug 2022 04:50	1000
Batch ID: 181982 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22071321-03	WG-1620-FB09-20220722	22 Jul 2022 07:15		03 Aug 2022 10:00	04 Aug 2022 17:02	1
HS22071321-08	WG-1620-FB10-20220724	24 Jul 2022 12:15		03 Aug 2022 10:00	04 Aug 2022 18:22	1
HS22071321-13	WG-1620-FB11-20220725	25 Jul 2022 07:10		03 Aug 2022 10:00	04 Aug 2022 18:32	1
Batch ID: 181982 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS22071321-02	WG-1620-MW96B-20220722	22 Jul 2022 08:05		03 Aug 2022 10:00	04 Aug 2022 17:00	1
HS22071321-04	WG-1620-MW95A-20220722	22 Jul 2022 09:05		03 Aug 2022 10:00	04 Aug 2022 17:04	1
HS22071321-05	WG-1620-MW61B-20220722	22 Jul 2022 10:15		03 Aug 2022 10:00	04 Aug 2022 17:06	1
HS22071321-06	WG-1620-MW61A-20220722	22 Jul 2022 11:05		03 Aug 2022 10:00	04 Aug 2022 19:54	1
HS22071321-07	WG-1620-MW47C-20220724	24 Jul 2022 12:45		03 Aug 2022 10:00	04 Aug 2022 18:20	1
HS22071321-09	WG-1620-MW47A-20220724	24 Jul 2022 13:40		03 Aug 2022 10:00	04 Aug 2022 18:24	1
HS22071321-10	WG-1620-MW34CR-20220724	24 Jul 2022 14:45		03 Aug 2022 10:00	04 Aug 2022 18:26	1
HS22071321-11	WG-1620-MW12B-20220724	24 Jul 2022 16:00		03 Aug 2022 10:00	04 Aug 2022 18:28	2
HS22071321-12	WG-1620-MW41B-20220724	24 Jul 2022 17:10		03 Aug 2022 10:00	04 Aug 2022 18:30	2
Batch ID: R413872 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071321-02	WG-1620-MW96B-20220722	22 Jul 2022 08:05			27 Jul 2022 19:00	1
HS22071321-04	WG-1620-MW95A-20220722	22 Jul 2022 09:05			27 Jul 2022 19:21	1
HS22071321-05	WG-1620-MW61B-20220722	22 Jul 2022 10:15			27 Jul 2022 19:43	1
HS22071321-07	WG-1620-MW47C-20220724	24 Jul 2022 12:45			27 Jul 2022 20:04	1
Batch ID: R413873 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071321-06	WG-1620-MW61A-20220722	22 Jul 2022 11:05			27 Jul 2022 19:10	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R413887 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071321-09	WG-1620-MW47A-20220724	24 Jul 2022 13:40			27 Jul 2022 19:01	1
HS22071321-10	WG-1620-MW34CR-20220724	24 Jul 2022 14:45			27 Jul 2022 20:08	1
HS22071321-11	WG-1620-MW12B-20220724	24 Jul 2022 16:00			27 Jul 2022 19:23	10
HS22071321-12	WG-1620-MW41B-20220724	24 Jul 2022 17:10			27 Jul 2022 19:46	10
Batch ID: R413887 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22071321-01	WG-1620-TB07-20220724	24 Jul 2022 00:00			27 Jul 2022 17:32	1
HS22071321-03	WG-1620-FB09-20220722	22 Jul 2022 07:15			27 Jul 2022 17:54	1
HS22071321-08	WG-1620-FB10-20220724	24 Jul 2022 12:15			27 Jul 2022 18:16	1
HS22071321-13	WG-1620-FB11-20220725	25 Jul 2022 07:10			27 Jul 2022 18:39	1

WorkOrder: HS22071321
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	0.00125	0.000993	0.000400	0.00200

WorkOrder: HS22071321
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	0.000076	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000040	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000069	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000077	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000073	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000036	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000032	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.000043	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000042	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000040	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000039	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000029	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000070	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00017	0.000037	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00012	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000035	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000042	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000043	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000087	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000093	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000041	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000076	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000046	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: HS22071321
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	0.00065	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00070	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00069	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.0011	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00065	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0014	0.00030	0.0010
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: HS22071321
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00049	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.0010	0.00067	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00046	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0012	0.00030	0.0010
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: HS22071321
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00063	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0017	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: 181982 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-181982** Units: **mg/L** Analysis Date: **04-Aug-2022 19:50**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787537** PrepDate: **03-Aug-2022** 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-181982** Units: **mg/L** Analysis Date: **04-Aug-2022 19:52**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787538** PrepDate: **03-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0525	0.00200	0.05	0	105	80 - 120				

MS Sample ID: **HS22071321-06MS** Units: **mg/L** Analysis Date: **04-Aug-2022 19:58**
Client ID: **WG-1620-MW61A-20220722** Run ID: **ICPMS07_414428** SeqNo: **6787541** PrepDate: **03-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05329	0.00200	0.05	0.000152	106	80 - 120				

MSD Sample ID: **HS22071321-06MSD** Units: **mg/L** Analysis Date: **04-Aug-2022 20:00**
Client ID: **WG-1620-MW61A-20220722** Run ID: **ICPMS07_414428** SeqNo: **6787542** PrepDate: **03-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05148	0.00200	0.05	0.000152	103	80 - 120	0.05329	3.46	20	

PDS Sample ID: **HS22071321-06PDS** Units: **mg/L** Analysis Date: **04-Aug-2022 20:02**
Client ID: **WG-1620-MW61A-20220722** Run ID: **ICPMS07_414428** SeqNo: **6787543** PrepDate: **03-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1039	0.00200	0.1	0.000152	104	75 - 125				

SD Sample ID: **HS22071321-06SD** Units: **mg/L** Analysis Date: **04-Aug-2022 19:56**
Client ID: **WG-1620-MW61A-20220722** Run ID: **ICPMS07_414428** SeqNo: **6787540** PrepDate: **03-Aug-2022** 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					0.000152	0	10	

The following samples were analyzed in this batch:

HS22071321-02	HS22071321-03	HS22071321-04	HS22071321-05
HS22071321-06	HS22071321-07	HS22071321-08	HS22071321-09
HS22071321-10	HS22071321-11	HS22071321-12	HS22071321-13

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: 181732 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181732** Units: **ug/L** Analysis Date: **02-Aug-2022 07:36**
Client ID: Run ID: **SV-8_414221** SeqNo: **6782118** PrepDate: **28-Jul-2022** 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	0.20								
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	*3.395*	*0.20*	*5*	*0*	*67.9*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.798*	*0.20*	*5*	*0*	*76.0*	*40 - 125*				
Surr: 2-Fluorophenol	*3.765*	*0.20*	*5*	*0*	*75.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.847*	*0.20*	*5*	*0*	*96.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.936*	*0.20*	*5*	*0*	*78.7*	*41 - 120*				
Surr: Phenol-d6	*3.597*	*0.20*	*5*	*0*	*71.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: 181732 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181732** Units: **ug/L** Analysis Date: **02-Aug-2022 07:18**
Client ID: Run ID: **SV-8_414221** SeqNo: **6782117** PrepDate: **28-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.442	0.20	5	0	88.8	39 - 127				
2,4-Dimethylphenol	4.085	0.20	5	0	81.7	35 - 120				
2,4-Dinitrotoluene	5.157	0.20	5	0	103	50 - 122				
2,6-Dinitrotoluene	5.157	0.20	5	0	103	50 - 120				
2-Chloronaphthalene	4.443	0.20	5	0	88.9	50 - 120				
2-Methylnaphthalene	4.563	0.10	5	0	91.3	50 - 120				
4,6-Dinitro-2-methylphenol	4.343	0.20	5	0	86.9	25 - 121				
4-Nitrophenol	4.862	1.0	5	0	97.2	30 - 130				
Acenaphthene	4.607	0.10	5	0	92.1	45 - 120				
Acenaphthylene	4.599	0.10	5	0	92.0	47 - 120				
Anthracene	4.765	0.10	5	0	95.3	45 - 120				
Benz(a)anthracene	5.09	0.10	5	0	102	40 - 120				
Benzo(a)pyrene	4.857	0.10	5	0	97.1	45 - 120				
Bis(2-chloroethoxy)methane	4.649	0.20	5	0	93.0	45 - 120				
Bis(2-ethylhexyl)phthalate	6.486	0.20	5	0	130	40 - 139				
Chrysene	4.736	0.10	5	0	94.7	43 - 120				
Dibenzofuran	4.658	0.10	5	0	93.2	50 - 120				
Di-n-butyl phthalate	6.806	0.20	5	0	136	45 - 123				S
Fluoranthene	5.138	0.10	5	0	103	45 - 125				
Fluorene	4.732	0.10	5	0	94.6	49 - 120				
Naphthalene	4.498	0.10	5	0	90.0	45 - 120				
Nitrobenzene	4.433	0.20	5	0	88.7	44 - 120				
N-Nitrosodiphenylamine	4.764	0.20	5	0	95.3	40 - 125				
Pentachlorophenol	5.06	0.20	5	0	101	19 - 121				
Phenanthrene	4.705	0.10	5	0	94.1	45 - 121				
Phenol	4.242	0.20	5	0	84.8	20 - 124				
Pyrene	4.709	0.10	5	0	94.2	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.348*	*0.20*	*5*	*0*	*107*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.55*	*0.20*	*5*	*0*	*91.0*	*40 - 125*				
Surr: 2-Fluorophenol	*4.053*	*0.20*	*5*	*0*	*81.1*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.013*	*0.20*	*5*	*0*	*100*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.481*	*0.20*	*5*	*0*	*89.6*	*41 - 120*				
Surr: Phenol-d6	*3.944*	*0.20*	*5*	*0*	*78.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: 181732 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22071321-06MS** Units: **ug/L** Analysis Date: **02-Aug-2022 11:20**
Client ID: **WG-1620-MW61A-20220722** Run ID: **SV-8_414230** SeqNo: **6782285** PrepDate: **28-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.995	0.20	5	0	79.9	39 - 127				
2,4-Dimethylphenol	3.503	0.20	5	0	70.1	35 - 120				
2,4-Dinitrotoluene	5.514	0.20	5	0	110	50 - 122				
2,6-Dinitrotoluene	5.514	0.20	5	0	110	50 - 120				
2-Chloronaphthalene	3.749	0.20	5	0	75.0	50 - 120				
2-Methylnaphthalene	3.581	0.10	5	0	71.6	50 - 120				
4,6-Dinitro-2-methylphenol	5.759	0.20	5	0	115	25 - 121				
4-Nitrophenol	4.794	1.0	5	0	95.9	30 - 130				
Acenaphthene	3.766	0.10	5	0.04688	74.4	45 - 120				
Acenaphthylene	3.699	0.10	5	0	74.0	47 - 120				
Anthracene	5.264	0.10	5	0	105	45 - 120				
Benz(a)anthracene	6.487	0.10	5	0	130	40 - 120				S
Benzo(a)pyrene	6.232	0.10	5	0	125	45 - 120				S
Bis(2-chloroethoxy)methane	3.495	0.20	5	0	69.9	45 - 120				
Bis(2-ethylhexyl)phthalate	8.793	0.20	5	0	176	40 - 139				S
Chrysene	6.159	0.10	5	0	123	43 - 120				S
Dibenzofuran	3.895	0.10	5	0.0142	77.6	50 - 120				
Di-n-butyl phthalate	8.738	0.20	5	0	175	45 - 123				S
Fluoranthene	6.315	0.10	5	0.02005	126	45 - 125				S
Fluorene	4.22	0.10	5	0	84.4	49 - 120				
Naphthalene	3.536	0.10	5	0.06066	69.5	45 - 120				
Nitrobenzene	3.425	0.20	5	0	68.5	44 - 120				
N-Nitrosodiphenylamine	5.114	0.20	5	0	102	40 - 125				
Pentachlorophenol	6.124	0.20	5	0	122	19 - 121				S
Phenanthrene	5.113	0.10	5	0.02722	102	45 - 121				
Phenol	3.319	0.20	5	0	66.4	20 - 124				
Pyrene	6.076	0.10	5	0.02217	121	40 - 130				
Surr: 2,4,6-Tribromophenol	*6.348*	*0.20*	*5*	*0*	*127*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.565*	*0.20*	*5*	*0*	*71.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.47*	*0.20*	*5*	*0*	*49.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*6.713*	*0.20*	*5*	*0*	*134*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.412*	*0.20*	*5*	*0*	*68.2*	*41 - 120*				
Surr: Phenol-d6	*3.059*	*0.20*	*5*	*0*	*61.2*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: 181732 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22071321-06MSD** Units: **ug/L** Analysis Date: **02-Aug-2022 13:14**
Client ID: **WG-1620-MW61A-20220722** Run ID: **SV-8_414230** SeqNo: **6782350** PrepDate: **28-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.008	0.20	5	0	80.2	39 - 127	3.995	0.332	20	
2,4-Dimethylphenol	3.614	0.20	5	0	72.3	35 - 120	3.503	3.11	20	
2,4-Dinitrotoluene	5.526	0.20	5	0	111	50 - 122	5.514	0.219	20	
2,6-Dinitrotoluene	5.526	0.20	5	0	111	50 - 120	5.514	0.219	20	
2-Chloronaphthalene	3.615	0.20	5	0	72.3	50 - 120	3.749	3.64	20	
2-Methylnaphthalene	3.49	0.10	5	0	69.8	50 - 120	3.581	2.58	20	
4,6-Dinitro-2-methylphenol	5.695	0.20	5	0	114	25 - 121	5.759	1.13	30	
4-Nitrophenol	4.89	1.0	5	0	97.8	30 - 130	4.794	1.97	20	
Acenaphthene	3.818	0.10	5	0.04688	75.4	45 - 120	3.766	1.35	20	
Acenaphthylene	3.711	0.10	5	0	74.2	47 - 120	3.699	0.311	20	
Anthracene	5.093	0.10	5	0	102	45 - 120	5.264	3.3	20	
Benz(a)anthracene	6.617	0.10	5	0	132	40 - 120	6.487	1.99	20	S
Benzo(a)pyrene	6.413	0.10	5	0	128	45 - 120	6.232	2.85	20	S
Bis(2-chloroethoxy)methane	3.487	0.20	5	0	69.7	45 - 120	3.495	0.234	20	
Bis(2-ethylhexyl)phthalate	8.895	0.20	5	0	178	40 - 139	8.793	1.16	20	S
Chrysene	6.42	0.10	5	0	128	43 - 120	6.159	4.15	20	S
Dibenzofuran	3.804	0.10	5	0.0142	75.8	50 - 120	3.895	2.39	20	
Di-n-butyl phthalate	8.709	0.20	5	0	174	45 - 123	8.738	0.326	20	S
Fluoranthene	6.386	0.10	5	0.02005	127	45 - 125	6.315	1.13	20	S
Fluorene	4.125	0.10	5	0	82.5	49 - 120	4.22	2.28	20	
Naphthalene	3.481	0.10	5	0.06066	68.4	45 - 120	3.536	1.56	20	
Nitrobenzene	3.357	0.20	5	0	67.1	44 - 120	3.425	2.01	20	
N-Nitrosodiphenylamine	4.937	0.20	5	0	98.7	40 - 125	5.114	3.52	20	
Pentachlorophenol	5.954	0.20	5	0	119	19 - 121	6.124	2.82	20	
Phenanthrene	5.04	0.10	5	0.02722	100	45 - 121	5.113	1.44	20	
Phenol	2.899	0.20	5	0	58.0	20 - 124	3.319	13.5	20	
Pyrene	6.109	0.10	5	0.02217	122	40 - 130	6.076	0.543	20	
Surr: 2,4,6-Tribromophenol	*6.237*	*0.20*	*5*	*0*	*125*	*34 - 129*	*6.348*	*1.76*	*20*	
Surr: 2-Fluorobiphenyl	*3.47*	*0.20*	*5*	*0*	*69.4*	*40 - 125*	*3.565*	*2.68*	*20*	
Surr: 2-Fluorophenol	*2.507*	*0.20*	*5*	*0*	*50.1*	*20 - 120*	*2.47*	*1.46*	*20*	
Surr: 4-Terphenyl-d14	*6.716*	*0.20*	*5*	*0*	*134*	*40 - 135*	*6.713*	*0.0522*	*20*	
Surr: Nitrobenzene-d5	*3.443*	*0.20*	*5*	*0*	*68.9*	*41 - 120*	*3.412*	*0.91*	*20*	
Surr: Phenol-d6	*2.954*	*0.20*	*5*	*0*	*59.1*	*20 - 120*	*3.059*	*3.5*	*20*	

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	HS22071321

QC BATCH REPORT

Batch ID: 181732 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22071321-02	HS22071321-03	HS22071321-04	HS22071321-05
HS22071321-06	HS22071321-07	HS22071321-08	HS22071321-09
HS22071321-10	HS22071321-11	HS22071321-12	HS22071321-13

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: R413872 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220727** Units: **ug/L** Analysis Date: **27-Jul-2022 11:09**
Client ID: Run ID: **VOA4_413872** SeqNo: **6768946** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*44.47*	*1.0*	*50*	*0*	*88.9*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.79*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*44.02*	*1.0*	*50*	*0*	*88.0*	*73 - 126*				
Surr: Toluene-d8	*50.68*	*1.0*	*50*	*0*	*101*	*81 - 120*				

LCS Sample ID: **VLCSW-220727** Units: **ug/L** Analysis Date: **27-Jul-2022 10:25**
Client ID: Run ID: **VOA4_413872** SeqNo: **6768945** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.18	1.0	20	0	101	70 - 124				
Benzene	18.81	1.0	20	0	94.1	74 - 120				
Chlorobenzene	18.87	1.0	20	0	94.3	76 - 113				
Ethylbenzene	20.93	1.0	20	0	105	77 - 117				
Methylene chloride	18.1	2.0	20	0	90.5	70 - 127				
Toluene	19.86	1.0	20	0	99.3	77 - 118				
Xylenes, Total	64.01	1.0	60	0	107	75 - 122				
Surr: 1,2-Dichloroethane-d4	*44.66*	*1.0*	*50*	*0*	*89.3*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.66*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*44.74*	*1.0*	*50*	*0*	*89.5*	*73 - 126*				
Surr: Toluene-d8	*49.9*	*1.0*	*50*	*0*	*99.8*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: R413872 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071163-01MS** Units: **ug/L** Analysis Date: **27-Jul-2022 14:00**
Client ID: Run ID: **VOA4_413872** SeqNo: **6768951** PrepDate: DF: **5000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	91810	5000	100000	0	91.8	70 - 127				
Benzene	87090	5000	100000	0	87.1	70 - 127				
Chlorobenzene	89770	5000	100000	0	89.8	70 - 114				
Ethylbenzene	99700	5000	100000	0	99.7	70 - 124				
Methylene chloride	5552000	10000	100000	5529000	22.7	70 - 128				SEO
Toluene	95480	5000	100000	0	95.5	70 - 123				
Xylenes, Total	301800	5000	300000	0	101	70 - 130				
Surr: 1,2-Dichloroethane-d4	*223000*	*5000*	*250000*	*0*	*89.2*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*253700*	*5000*	*250000*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*227500*	*5000*	*250000*	*0*	*91.0*	*77 - 123*				
Surr: Toluene-d8	*249500*	*5000*	*250000*	*0*	*99.8*	*82 - 127*				

MSD Sample ID: **HS22071163-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2022 14:21**
Client ID: Run ID: **VOA4_413872** SeqNo: **6768952** PrepDate: DF: **5000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	88880	5000	100000	0	88.9	70 - 127	91810	3.25	20	
Benzene	87320	5000	100000	0	87.3	70 - 127	87090	0.268	20	
Chlorobenzene	88140	5000	100000	0	88.1	70 - 114	89770	1.83	20	
Ethylbenzene	97610	5000	100000	0	97.6	70 - 124	99700	2.12	20	
Methylene chloride	5474000	10000	100000	5529000	-55.3	70 - 128	5552000	1.41	20	SEO
Toluene	94500	5000	100000	0	94.5	70 - 123	95480	1.03	20	
Xylenes, Total	297600	5000	300000	0	99.2	70 - 130	301800	1.4	20	
Surr: 1,2-Dichloroethane-d4	*231700*	*5000*	*250000*	*0*	*92.7*	*70 - 126*	*223000*	*3.81*	*20*	
Surr: 4-Bromofluorobenzene	*257000*	*5000*	*250000*	*0*	*103*	*77 - 113*	*253700*	*1.29*	*20*	
Surr: Dibromofluoromethane	*223500*	*5000*	*250000*	*0*	*89.4*	*77 - 123*	*227500*	*1.8*	*20*	
Surr: Toluene-d8	*256100*	*5000*	*250000*	*0*	*102*	*82 - 127*	*249500*	*2.59*	*20*	

The following samples were analyzed in this batch: HS22071321-02 HS22071321-04 HS22071321-05 HS22071321-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: R413873 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220727** Units: **ug/L** Analysis Date: **27-Jul-2022 11:03**
Client ID: Run ID: **VOA7_413873** SeqNo: **6768999** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*52.13*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.52*	*1.0*	*50*	*0*	*99.0*	*77 - 113*				
Surr: Dibromofluoromethane	*51.85*	*1.0*	*50*	*0*	*104*	*73 - 126*				
Surr: Toluene-d8	*51.57*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-220727** Units: **ug/L** Analysis Date: **27-Jul-2022 10:24**
Client ID: Run ID: **VOA7_413873** SeqNo: **6768998** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.06	1.0	20	0	100	70 - 124				
Benzene	21.34	1.0	20	0	107	74 - 120				
Chlorobenzene	20.71	1.0	20	0	104	76 - 113				
Ethylbenzene	20.56	1.0	20	0	103	77 - 117				
Methylene chloride	21.62	2.0	20	0	108	70 - 127				
Toluene	20.74	1.0	20	0	104	77 - 118				
Xylenes, Total	63.08	1.0	60	0	105	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.02*	*1.0*	*50*	*0*	*106*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.35*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*51.59*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*52.26*	*1.0*	*50*	*0*	*105*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: R413873 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071321-06MS** Units: **ug/L** Analysis Date: **27-Jul-2022 19:29**
Client ID: **WG-1620-MW61A-20220722** Run ID: **VOA7_413873** SeqNo: **6769939** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.97	1.0	20	0	94.9	70 - 127				
Benzene	21.01	1.0	20	0	105	70 - 127				
Chlorobenzene	19.72	1.0	20	0	98.6	70 - 114				
Ethylbenzene	19.96	1.0	20	0	99.8	70 - 124				
Methylene chloride	19.68	2.0	20	0	98.4	70 - 128				
Toluene	20.23	1.0	20	0	101	70 - 123				
Xylenes, Total	61.84	1.0	60	0	103	70 - 130				
Surr: 1,2-Dichloroethane-d4	*52.21*	*1.0*	*50*	*0*	*104*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.3*	*1.0*	*50*	*0*	*98.6*	*77 - 113*				
Surr: Dibromofluoromethane	*51.1*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*52.46*	*1.0*	*50*	*0*	*105*	*82 - 127*				

MSD Sample ID: **HS22071321-06MSD** Units: **ug/L** Analysis Date: **27-Jul-2022 19:49**
Client ID: **WG-1620-MW61A-20220722** Run ID: **VOA7_413873** SeqNo: **6769940** 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	89.1	70 - 127	18.97	6.21	20	
Benzene	20.05	1.0	20	0	100	70 - 127	21.01	4.66	20	
Chlorobenzene	19.31	1.0	20	0	96.6	70 - 114	19.72	2.1	20	
Ethylbenzene	19.74	1.0	20	0	98.7	70 - 124	19.96	1.14	20	
Methylene chloride	19.66	2.0	20	0	98.3	70 - 128	19.68	0.0977	20	
Toluene	19.65	1.0	20	0	98.2	70 - 123	20.23	2.93	20	
Xylenes, Total	59.49	1.0	60	0	99.2	70 - 130	61.84	3.87	20	
Surr: 1,2-Dichloroethane-d4	*51.73*	*1.0*	*50*	*0*	*103*	*70 - 126*	*52.21*	*0.92*	*20*	
Surr: 4-Bromofluorobenzene	*49.25*	*1.0*	*50*	*0*	*98.5*	*77 - 113*	*49.3*	*0.107*	*20*	
Surr: Dibromofluoromethane	*50.67*	*1.0*	*50*	*0*	*101*	*77 - 123*	*51.1*	*0.844*	*20*	
Surr: Toluene-d8	*51.46*	*1.0*	*50*	*0*	*103*	*82 - 127*	*52.46*	*1.93*	*20*	

The following samples were analyzed in this batch: HS22071321-06

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: R413887 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220727** Units: **ug/L** Analysis Date: **27-Jul-2022 12:42**
Client ID: Run ID: **VOA9_413887** SeqNo: **6769490** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*52.02*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*44.1*	*1.0*	*50*	*0*	*88.2*	*77 - 113*				
Surr: Dibromofluoromethane	*49.53*	*1.0*	*50*	*0*	*99.1*	*73 - 126*				
Surr: Toluene-d8	*48.72*	*1.0*	*50*	*0*	*97.4*	*81 - 120*				

LCS Sample ID: **VLCSW-220727** Units: **ug/L** Analysis Date: **27-Jul-2022 11:57**
Client ID: Run ID: **VOA9_413887** SeqNo: **6769489** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	21.02	1.0	20	0	105	70 - 124				
Benzene	18.9	1.0	20	0	94.5	74 - 120				
Chlorobenzene	20.67	1.0	20	0	103	76 - 113				
Ethylbenzene	19.55	1.0	20	0	97.8	77 - 117				
Methylene chloride	20.12	2.0	20	0	101	70 - 127				
Toluene	19.61	1.0	20	0	98.0	77 - 118				
Xylenes, Total	60.97	1.0	60	0	102	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.76*	*1.0*	*50*	*0*	*99.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.77*	*1.0*	*50*	*0*	*99.5*	*77 - 113*				
Surr: Dibromofluoromethane	*51.37*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*49.43*	*1.0*	*50*	*0*	*98.9*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071321

QC BATCH REPORT

Batch ID: R413887 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071339-01MS** Units: **ug/L** Analysis Date: **27-Jul-2022 14:33**
Client ID: Run ID: **VOA9_413887** SeqNo: **6769492** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	21.52	1.0	20	0	108	70 - 127				
Benzene	20.97	1.0	20	0	105	70 - 127				
Chlorobenzene	22.55	1.0	20	0	113	70 - 114				
Ethylbenzene	22.5	1.0	20	0	112	70 - 124				
Methylene chloride	21.1	2.0	20	0	105	70 - 128				
Toluene	21.9	1.0	20	0	110	70 - 123				
Xylenes, Total	70.06	1.0	60	0	117	70 - 130				
Surr: 1,2-Dichloroethane-d4	*49.67*	*1.0*	*50*	*0*	*99.3*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.55*	*1.0*	*50*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*50.02*	*1.0*	*50*	*0*	*100*	*82 - 127*				

MSD Sample ID: **HS22071339-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2022 14:55**
Client ID: Run ID: **VOA9_413887** SeqNo: **6769493** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	21.79	1.0	20	0	109	70 - 127	21.52	1.22	20	
Benzene	20.55	1.0	20	0	103	70 - 127	20.97	2.04	20	
Chlorobenzene	22.15	1.0	20	0	111	70 - 114	22.55	1.81	20	
Ethylbenzene	22.51	1.0	20	0	113	70 - 124	22.5	0.0585	20	
Methylene chloride	20.33	2.0	20	0	102	70 - 128	21.1	3.69	20	
Toluene	21.68	1.0	20	0	108	70 - 123	21.9	1.02	20	
Xylenes, Total	68.32	1.0	60	0	114	70 - 130	70.06	2.51	20	
Surr: 1,2-Dichloroethane-d4	*48.26*	*1.0*	*50*	*0*	*96.5*	*70 - 126*	*49.67*	*2.89*	*20*	
Surr: 4-Bromofluorobenzene	*49.7*	*1.0*	*50*	*0*	*99.4*	*77 - 113*	*50*	*0.604*	*20*	
Surr: Dibromofluoromethane	*50.09*	*1.0*	*50*	*0*	*100*	*77 - 123*	*50.55*	*0.913*	*20*	
Surr: Toluene-d8	*49.51*	*1.0*	*50*	*0*	*99.0*	*82 - 127*	*50.02*	*1.01*	*20*	

The following samples were analyzed in this batch:

HS22071321-01	HS22071321-03	HS22071321-08	HS22071321-09
HS22071321-10	HS22071321-11	HS22071321-12	HS22071321-13

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22071321**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023

Sample Receipt Checklist

Work Order ID: HS22071321 **Date/Time Received:** **26-Jul-2022 12:00**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By:	/S/ Corey Grandits	26-Jul-2022 15:24	**Reviewed by:**	/S/ Dane J. Wacasey	29-Jul-2022 12:34
	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:274813,274814
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):	2.1uc/2.6c, 2.4uc/2.9c, & 2.7uc/3.2c	IR31	
Cooler(s)/Kit(s):	48993, 48007, 48855		
Date/Time sample(s) sent to storage:	7/26/2022		
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 Form

Page 1 of 2

COC ID: 274813

HS22071321 WV

WSP Golder

Houston TX-Wood Preserving Works

Customer Information		Project Information	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev1 SR 92688
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

ALS Project Manager:

A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D ICP_TW (5636002 Metals - As) [120ml PI HNO3]
E MS/MSD
F
G
H
I
J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-TB07-20220724	[illegible]		Water	1,8	2	X										
2	WG-1620-MW96B-20220722	7-22-22	0805	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-FB09-20220722		0715	GW		6	X		X	X							
4	WG-1620-MW95A-20220722		0905	GW		6	X		X	X							
5	WG-1620-MW61B-20220722		1015	GW		6	X		X	X							
6	WG-1620-MW61A-20220722		1105	GW		12	X		X	X	X						
7	WG-1620-MW47C-20220724	7-24-22	1245	GW		6	X		X	X							
8	WG-1620-FB10-20220724		1215	GW		6	X		X	X							
9	WG-1620-MW47A-20220724		1340	GW		6	X		X	X							
10	WG-1620-MW34CR-20220724		1445	GW		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: [signature] Date: 7-26-22 Time: 1200 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 7-26-22 12:00

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
48993	2.1°
48007	2.4°
48855	2.7°

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.

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Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 274814

HS22071321

WSP Golder

Houston TX-Wood Preserving Works

, WV

Customer Information		Project Information	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev1 SR 92688
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

ALS Project Manager:

A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D ICP_TW (5636002 Metals - As) [120ml Pl HNO3]
E
F
G
H
I
J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WG-1620-TB 2022~~			~~Water~~	1,8	2											
2	WG-1620- MW12B-20220724	7-24-22	1600	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-MW41B-20220724	7-24-22	1710	GW		6	X		X	X							
4	WG-1620-FB11-20220725	7-25-22	0710	GW		6	X		X	X							
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Date: 7-26-22 Time: 1200 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 7/26/22 12:30

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

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.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 09, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22071384**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 14 sample(s) on Jul 27, 2022 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
Dane J. Wacasey

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22071384**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22071384**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/09/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071384					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181789,182021,182042,R413944,R414416					
#[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			2	
		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			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 effects 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: 08/09/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071384					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181789,182021,182042,R413944,R414416					
#[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: 08/09/2022
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS22071384
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 181789,182021,182042,R413944,R414416

ER#[5]	Description
1	Semivolatile Organics Method SW8270, sample WG-1620-MW25A-20220725, surrogate 4-Terphenyl-d14 recovered above the control limit due to matrix interference. No target analytes related to surrogate were detected. Semivolatile Organics Method SW8270, samples WG-1620-MW25C-20220725, WG-1620-MW45C-20220725 the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 181789, Semivolatile Organics Method SW8270, LCS recovery was above the control limits for Bis(2-ethylhexyl)phthalate, Di-n-butyl phthalate. The associated results are non-detect.
3	Batch 181789, Semivolatile Organics Method SW8270, sample HS22071405-03, MS and MSD were performed on unrelated sample
4	Batch 181789, Semivolatile Organics Method SW8270, sample HS22071405-03, MS/MSD RPD was performed on unrelated sample
5	Batch 181789, Semivolatile Organics Method SW8270, samples WG-1620-MW25C-20220725, WG-1620-MW44A-20220725, the GCMS semi-volatile extract of the samples were run at a dilution due to a high level of matrix interference. Batch R413944, Volatile Organics Method SW8260, samples WG-1620-MW25C-20220725, WG-1620-MW45C-20220725, Lowest practical dilution due to sample matrix and/or high concentration of non-target analyte(s).

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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22071384

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22071384-01	WG-1620-TB08-20220725	Water	CG-070822-27	25-Jul-2022 00:00	27-Jul-2022 11:15	☐
HS22071384-02	WG-1620-MW54C-20220725	Groundwater		25-Jul-2022 08:05	27-Jul-2022 11:15	☐
HS22071384-03	WG-1620-FB11-20220725	Water		25-Jul-2022 08:05	27-Jul-2022 11:15	☐
HS22071384-04	WG-1620-MW25A-20220725	Groundwater		25-Jul-2022 09:05	27-Jul-2022 11:15	☐
HS22071384-05	WG-1620-MW25C-20220725	Groundwater		25-Jul-2022 09:55	27-Jul-2022 11:15	☐
HS22071384-06	WG-1620-MW44A-20220725	Groundwater		25-Jul-2022 10:50	27-Jul-2022 11:15	☐
HS22071384-07	WG-1620-MW45C-20220725	Groundwater		25-Jul-2022 11:40	27-Jul-2022 11:15	☐
HS22071384-08	WG-1620-MW38A-20220726	Groundwater		26-Jul-2022 08:05	27-Jul-2022 11:15	☐
HS22071384-09	WG-1620-MW38B-20220726	Groundwater		26-Jul-2022 09:00	27-Jul-2022 11:15	☐
HS22071384-10	WG-1620-MW22BR-20220726	Groundwater		26-Jul-2022 10:05	27-Jul-2022 11:15	☐
HS22071384-11	WG-1620-MW22AR-20220726	Groundwater		26-Jul-2022 11:00	27-Jul-2022 11:15	☐
HS22071384-12	WG-1620-MW94A-20220726	Groundwater		26-Jul-2022 13:10	27-Jul-2022 11:15	☐
HS22071384-13	WG-1620-MW93B-20220726	Groundwater		26-Jul-2022 14:15	27-Jul-2022 11:15	☐
HS22071384-14	WG-1620-MW92B-20220726	Groundwater		26-Jul-2022 15:15	27-Jul-2022 11:15	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB08-20220725
Collection Date: 25-Jul-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-01
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	28-Jul-2022 12:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 12:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 12:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 12:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 12:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 12:50
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 12:50
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*28-Jul-2022 12:50*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*28-Jul-2022 12:50*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*28-Jul-2022 12:50*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*28-Jul-2022 12:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW54C-20220725
Collection Date: 25-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-02
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	28-Jul-2022 13:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 13:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 13:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 13:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:30
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*28-Jul-2022 13:30*
Surr: 4-Bromofluorobenzene	*97.4*			*77-113*	*%REC*	*1*	*28-Jul-2022 13:30*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*28-Jul-2022 13:30*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*28-Jul-2022 13:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW54C-20220725
Collection Date: 25-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 17:41
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 17:41
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 17:41
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 17:41
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 17:41
2-Methylnaphthalene	**0.000096**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 17:41
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 17:41
Acenaphthene	**0.031**		**0.00027**	**0.0010**	**mg/L**	10	05-Aug-2022 16:14
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 17:41
Anthracene	**0.0018**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 17:41
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 17:41
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 17:41
Bis(2-ethylhexyl)phthalate	**0.00012**	J	**0.000037**	**0.00020**	**mg/L**	1	03-Aug-2022 17:41
Chrysene	**0.000049**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
Dibenzofuran	**0.0047**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 17:41
Fluoranthene	**0.0037**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
Fluorene	**0.016**		**0.00030**	**0.0010**	**mg/L**	10	05-Aug-2022 16:14
Naphthalene	**0.00100**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 17:41
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 17:41
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 17:41
Phenanthrene	**0.00026**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 17:41
Pyrene	**0.0019**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 17:41
Surr: 2,4,6-Tribromophenol	*82.8*			*34-129*	*%REC*	*10*	*05-Aug-2022 16:14*
Surr: 2,4,6-Tribromophenol	*111*			*34-129*	*%REC*	*1*	*03-Aug-2022 17:41*
Surr: 2-Fluorobiphenyl	*59.0*			*40-125*	*%REC*	*1*	*03-Aug-2022 17:41*
Surr: 2-Fluorobiphenyl	*72.6*			*40-125*	*%REC*	*10*	*05-Aug-2022 16:14*
Surr: 2-Fluorophenol	*63.4*			*20-120*	*%REC*	*10*	*05-Aug-2022 16:14*
Surr: 2-Fluorophenol	*51.7*			*20-120*	*%REC*	*1*	*03-Aug-2022 17:41*
Surr: 4-Terphenyl-d14	*131*			*40-135*	*%REC*	*10*	*05-Aug-2022 16:14*
Surr: 4-Terphenyl-d14	*119*			*40-135*	*%REC*	*1*	*03-Aug-2022 17:41*
Surr: Nitrobenzene-d5	*72.4*			*41-120*	*%REC*	*10*	*05-Aug-2022 16:14*
Surr: Nitrobenzene-d5	*59.1*			*41-120*	*%REC*	*1*	*03-Aug-2022 17:41*
Surr: Phenol-d6	*55.6*			*20-120*	*%REC*	*1*	*03-Aug-2022 17:41*
Surr: Phenol-d6	*65.4*			*20-120*	*%REC*	*10*	*05-Aug-2022 16:14*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW54C-20220725
Collection Date: 25-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00161**	J	**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 21:55

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB11-20220725
Collection Date: 25-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-03
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	28-Jul-2022 13:10
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 13:10
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:10
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:10
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 13:10
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 13:10
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:10
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*28-Jul-2022 13:10*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*28-Jul-2022 13:10*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*28-Jul-2022 13:10*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2022 13:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB11-20220725
Collection Date: 25-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 17:59
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 17:59
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 17:59
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 17:59
2-Chloronaphthalene	**0.000029**	J	**0.000021**	**0.00020**	**mg/L**	1	03-Aug-2022 17:59
2-Methylnaphthalene	**0.0011**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 17:59
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 17:59
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 17:59
Acenaphthene	**0.029**		**0.00027**	**0.0010**	**mg/L**	10	05-Aug-2022 16:34
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 17:59
Anthracene	**0.0019**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 17:59
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 17:59
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 17:59
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 17:59
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 17:59
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 17:59
Dibenzofuran	**0.019**		**0.00020**	**0.0010**	**mg/L**	10	05-Aug-2022 16:34
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 17:59
Fluoranthene	**0.0035**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 17:59
Fluorene	**0.013**		**0.00030**	**0.0010**	**mg/L**	10	05-Aug-2022 16:34
Naphthalene	**0.0093**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 17:59
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 17:59
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 17:59
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 17:59
Phenanthrene	**0.0042**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 17:59
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 17:59
Pyrene	**0.0020**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 17:59
Surr: 2,4,6-Tribromophenol	*79.2*			*34-129*	*%REC*	*10*	*05-Aug-2022 16:34*
Surr: 2,4,6-Tribromophenol	*102*			*34-129*	*%REC*	*1*	*03-Aug-2022 17:59*
Surr: 2-Fluorobiphenyl	*64.1*			*40-125*	*%REC*	*1*	*03-Aug-2022 17:59*
Surr: 2-Fluorobiphenyl	*70.6*			*40-125*	*%REC*	*10*	*05-Aug-2022 16:34*
Surr: 2-Fluorophenol	*60.7*			*20-120*	*%REC*	*10*	*05-Aug-2022 16:34*
Surr: 2-Fluorophenol	*63.8*			*20-120*	*%REC*	*1*	*03-Aug-2022 17:59*
Surr: 4-Terphenyl-d14	*123*			*40-135*	*%REC*	*1*	*03-Aug-2022 17:59*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*10*	*05-Aug-2022 16:34*
Surr: Nitrobenzene-d5	*76.2*			*41-120*	*%REC*	*10*	*05-Aug-2022 16:34*
Surr: Nitrobenzene-d5	*64.9*			*41-120*	*%REC*	*1*	*03-Aug-2022 17:59*
Surr: Phenol-d6	*63.0*			*20-120*	*%REC*	*1*	*03-Aug-2022 17:59*
Surr: Phenol-d6	*64.8*			*20-120*	*%REC*	*10*	*05-Aug-2022 16:34*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB11-20220725
Collection Date: 25-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00110**	J	**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 21:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25A-20220725
Collection Date: 25-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-04
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	28-Jul-2022 13:49
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 13:49
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:49
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:49
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 13:49
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 13:49
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 13:49
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*28-Jul-2022 13:49*
Surr: 4-Bromofluorobenzene	*97.0*			*77-113*	*%REC*	*1*	*28-Jul-2022 13:49*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*28-Jul-2022 13:49*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2022 13:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25A-20220725
Collection Date: 25-Jul-2022 09:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 16:55
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2022 16:55
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2022 16:55
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2022 16:55
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 16:55
2-Methylnaphthalene	**0.00011**		**0.000019**	**0.00010**	**mg/L**	1	05-Aug-2022 16:55
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 16:55
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2022 16:55
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2022 16:55
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2022 16:55
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2022 16:55
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2022 16:55
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 16:55
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2022 16:55
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2022 16:55
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 16:55
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 16:55
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 16:55
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2022 16:55
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2022 16:55
Naphthalene	**0.0010**		**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2022 16:55
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2022 16:55
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2022 16:55
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2022 16:55
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 16:55
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2022 16:55
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 16:55
Surr: 2,4,6-Tribromophenol	*118*			*34-129*	*%REC*	*1*	*05-Aug-2022 16:55*
Surr: 2-Fluorobiphenyl	*84.1*			*40-125*	*%REC*	*1*	*05-Aug-2022 16:55*
Surr: 2-Fluorophenol	*83.9*			*20-120*	*%REC*	*1*	*05-Aug-2022 16:55*
Surr: 4-Terphenyl-d14	*178*	*S*		*40-135*	*%REC*	*1*	*05-Aug-2022 16:55*
Surr: Nitrobenzene-d5	*86.2*			*41-120*	*%REC*	*1*	*05-Aug-2022 16:55*
Surr: Phenol-d6	*76.7*			*20-120*	*%REC*	*1*	*05-Aug-2022 16:55*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00163**	J	**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 21:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25C-20220725
Collection Date: 25-Jul-2022 09:55

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	28-Jul-2022 14:11
Benzene	< 0.0020		0.0020	0.010	mg/L	10	28-Jul-2022 14:11
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	28-Jul-2022 14:11
Ethylbenzene	**0.031**		**0.0030**	**0.010**	**mg/L**	10	28-Jul-2022 14:11
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	28-Jul-2022 14:11
Toluene	< 0.0020		0.0020	0.010	mg/L	10	28-Jul-2022 14:11
Xylenes, Total	**0.17**		**0.0030**	**0.010**	**mg/L**	10	28-Jul-2022 14:11
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*10*	*28-Jul-2022 14:11*
Surr: 4-Bromofluorobenzene	*99.9*			*77-113*	*%REC*	*10*	*28-Jul-2022 14:11*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*10*	*28-Jul-2022 14:11*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*10*	*28-Jul-2022 14:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25C-20220725
Collection Date: 25-Jul-2022 09:55

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	05-Aug-2022 17:15
2,4-Dimethylphenol	< 0.0040		0.0040	0.020	mg/L	100	05-Aug-2022 17:15
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	05-Aug-2022 17:15
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	05-Aug-2022 17:15
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	05-Aug-2022 17:15
2-Methylnaphthalene	**0.36**		**0.0019**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.020	mg/L	100	05-Aug-2022 17:15
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	05-Aug-2022 17:15
Acenaphthene	**0.14**		**0.0027**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	05-Aug-2022 17:15
Anthracene	**0.014**		**0.0014**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	05-Aug-2022 17:15
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	05-Aug-2022 17:15
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	05-Aug-2022 17:15
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	05-Aug-2022 17:15
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	05-Aug-2022 17:15
Dibenzofuran	**0.12**		**0.0020**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	05-Aug-2022 17:15
Fluoranthene	**0.011**		**0.0010**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
Fluorene	**0.063**		**0.0030**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
Naphthalene	**2.6**		**0.020**	**0.10**	**mg/L**	1000	08-Aug-2022 13:32
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	05-Aug-2022 17:15
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	05-Aug-2022 17:15
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	05-Aug-2022 17:15
Phenanthrene	**0.096**		**0.0021**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
Phenol	< 0.0035		0.0035	0.020	mg/L	100	05-Aug-2022 17:15
Pyrene	**0.0079**	J	**0.0019**	**0.010**	**mg/L**	100	05-Aug-2022 17:15
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*05-Aug-2022 17:15*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*08-Aug-2022 13:32*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*08-Aug-2022 13:32*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*05-Aug-2022 17:15*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2022 13:32*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*05-Aug-2022 17:15*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*05-Aug-2022 17:15*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*08-Aug-2022 13:32*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*08-Aug-2022 13:32*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*05-Aug-2022 17:15*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*05-Aug-2022 17:15*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2022 13:32*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW25C-20220725
Collection Date: 25-Jul-2022 09:55

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.0151**		**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 22:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW44A-20220725
Collection Date: 25-Jul-2022 10:50

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-06
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	28-Jul-2022 14:31
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 14:31
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 14:31
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 14:31
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 14:31
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 14:31
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 14:31
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*28-Jul-2022 14:31*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*28-Jul-2022 14:31*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*28-Jul-2022 14:31*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2022 14:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW44A-20220725
Collection Date: 25-Jul-2022 10:50

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2022 13:54
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	08-Aug-2022 13:54
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	08-Aug-2022 13:54
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	08-Aug-2022 13:54
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2022 13:54
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	08-Aug-2022 13:54
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.0020	mg/L	10	08-Aug-2022 13:54
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	08-Aug-2022 13:54
Acenaphthene	**0.058**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	08-Aug-2022 13:54
Anthracene	**0.00077**	J	**0.00014**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	08-Aug-2022 13:54
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	08-Aug-2022 13:54
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	08-Aug-2022 13:54
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	08-Aug-2022 13:54
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	08-Aug-2022 13:54
Dibenzofuran	**0.0013**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	08-Aug-2022 13:54
Fluoranthene	**0.0053**		**0.00010**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Fluorene	**0.013**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Naphthalene	**0.00052**	J	**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	08-Aug-2022 13:54
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	08-Aug-2022 13:54
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	08-Aug-2022 13:54
Phenanthrene	**0.00082**	J	**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	08-Aug-2022 13:54
Pyrene	**0.0057**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2022 13:54
Surr: 2,4,6-Tribromophenol	*98.2*			*34-129*	*%REC*	*10*	*08-Aug-2022 13:54*
Surr: 2-Fluorobiphenyl	*63.5*			*40-125*	*%REC*	*10*	*08-Aug-2022 13:54*
Surr: 2-Fluorophenol	*60.6*			*20-120*	*%REC*	*10*	*08-Aug-2022 13:54*
Surr: 4-Terphenyl-d14	*133*			*40-135*	*%REC*	*10*	*08-Aug-2022 13:54*
Surr: Nitrobenzene-d5	*66.7*			*41-120*	*%REC*	*10*	*08-Aug-2022 13:54*
Surr: Phenol-d6	*60.2*			*20-120*	*%REC*	*10*	*08-Aug-2022 13:54*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.0148**		**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 22:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW45C-20220725
Collection Date: 25-Jul-2022 11:40

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	28-Jul-2022 16:29
Benzene	**0.17**		**0.0020**	**0.010**	**mg/L**	10	28-Jul-2022 16:29
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	28-Jul-2022 16:29
Ethylbenzene	**0.53**		**0.0030**	**0.010**	**mg/L**	10	28-Jul-2022 16:29
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	28-Jul-2022 16:29
Toluene	**0.38**		**0.0020**	**0.010**	**mg/L**	10	28-Jul-2022 16:29
Xylenes, Total	**1.4**		**0.0030**	**0.010**	**mg/L**	10	28-Jul-2022 16:29
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*10*	*28-Jul-2022 16:29*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*10*	*28-Jul-2022 16:29*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*10*	*28-Jul-2022 16:29*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*10*	*28-Jul-2022 16:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW45C-20220725
Collection Date: 25-Jul-2022 11:40

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 1.0		1.0	10	mg/L	1000	03-Aug-2022 17:22
2,4-Dimethylphenol	< 2.0		2.0	10	mg/L	1000	03-Aug-2022 17:22
2,4-Dinitrotoluene	< 2.9		2.9	10	mg/L	1000	03-Aug-2022 17:22
2,6-Dinitrotoluene	< 2.1		2.1	10	mg/L	1000	03-Aug-2022 17:22
2-Chloronaphthalene	< 1.0		1.0	10	mg/L	1000	03-Aug-2022 17:22
2-Methylnaphthalene	**4,000**		**48**	**250**	**mg/L**	50000	05-Aug-2022 18:16
4,6-Dinitro-2-methylphenol	< 1.0		1.0	10	mg/L	1000	03-Aug-2022 17:22
4-Nitrophenol	< 2.4		2.4	50	mg/L	1000	03-Aug-2022 17:22
Acenaphthene	**2,500**		**68**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Acenaphthylene	**30**		**0.75**	**5.0**	**mg/L**	1000	03-Aug-2022 17:22
Anthracene	**1,200**		**35**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Benz(a)anthracene	**250**		**2.5**	**5.0**	**mg/L**	1000	03-Aug-2022 17:22
Benzo(a)pyrene	**69**		**1.0**	**5.0**	**mg/L**	1000	03-Aug-2022 17:22
Bis(2-chloroethoxy)methane	< 1.5		1.5	10	mg/L	1000	03-Aug-2022 17:22
Bis(2-ethylhexyl)phthalate	< 1.8		1.8	10	mg/L	1000	03-Aug-2022 17:22
Chrysene	**210**		**1.0**	**5.0**	**mg/L**	1000	03-Aug-2022 17:22
Dibenzofuran	**2,300**		**50**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Di-n-butyl phthalate	< 1.0		1.0	10	mg/L	1000	03-Aug-2022 17:22
Fluoranthene	**2,100**		**25**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Fluorene	**1,800**		**75**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Naphthalene	**15,000**		**50**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Nitrobenzene	< 1.2		1.2	10	mg/L	1000	03-Aug-2022 17:22
N-Nitrosodiphenylamine	< 1.2		1.2	10	mg/L	1000	03-Aug-2022 17:22
Pentachlorophenol	< 4.0		4.0	10	mg/L	1000	03-Aug-2022 17:22
Phenanthrene	**6,400**		**52**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Phenol	< 1.8		1.8	10	mg/L	1000	03-Aug-2022 17:22
Pyrene	**1,500**		**48**	**250**	**mg/L**	50000	05-Aug-2022 18:16
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*03-Aug-2022 17:22*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*50000*	*05-Aug-2022 18:16*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*50000*	*05-Aug-2022 18:16*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*03-Aug-2022 17:22*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*03-Aug-2022 17:22*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*50000*	*05-Aug-2022 18:16*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*50000*	*05-Aug-2022 18:16*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*03-Aug-2022 17:22*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*50000*	*05-Aug-2022 18:16*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*03-Aug-2022 17:22*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*03-Aug-2022 17:22*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*50000*	*05-Aug-2022 18:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW45C-20220725
Collection Date: 25-Jul-2022 11:40

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.0172**		**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 22:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW38A-20220726
Collection Date: 26-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-08
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	28-Jul-2022 14:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 14:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 14:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 14:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 14:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 14:51
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 14:51
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*28-Jul-2022 14:51*
Surr: 4-Bromofluorobenzene	*98.1*			*77-113*	*%REC*	*1*	*28-Jul-2022 14:51*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*28-Jul-2022 14:51*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*28-Jul-2022 14:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW38A-20220726
Collection Date: 26-Jul-2022 08:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 19:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 19:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 19:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 19:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 19:15
2-Methylnaphthalene	**0.00044**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 19:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 19:15
Acenaphthene	**0.0015**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 19:15
Anthracene	**0.00027**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 19:15
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 19:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 19:15
Bis(2-ethylhexyl)phthalate	**0.00014**	J	**0.000037**	**0.00020**	**mg/L**	1	03-Aug-2022 19:15
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 19:15
Dibenzofuran	**0.00022**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 19:15
Fluoranthene	**0.00016**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Fluorene	**0.00043**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Naphthalene	**0.0019**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 19:15
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 19:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 19:15
Phenanthrene	**0.00038**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 19:15
Pyrene	**0.00014**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 19:15
Surr: 2,4,6-Tribromophenol	*91.9*			*34-129*	*%REC*	*1*	*03-Aug-2022 19:15*
Surr: 2-Fluorobiphenyl	*49.4*			*40-125*	*%REC*	*1*	*03-Aug-2022 19:15*
Surr: 2-Fluorophenol	*51.8*			*20-120*	*%REC*	*1*	*03-Aug-2022 19:15*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*1*	*03-Aug-2022 19:15*
Surr: Nitrobenzene-d5	*52.1*			*41-120*	*%REC*	*1*	*03-Aug-2022 19:15*
Surr: Phenol-d6	*50.6*			*20-120*	*%REC*	*1*	*03-Aug-2022 19:15*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.0334**		**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 22:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW38B-20220726
Collection Date: 26-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-09
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	28-Jul-2022 15:10
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 15:10
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:10
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:10
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 15:10
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 15:10
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:10
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*28-Jul-2022 15:10*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*1*	*28-Jul-2022 15:10*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*28-Jul-2022 15:10*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*28-Jul-2022 15:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW38B-20220726
Collection Date: 26-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 19:34
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 19:34
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 19:34
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 19:34
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 19:34
2-Methylnaphthalene	**0.000070**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 19:34
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 19:34
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 19:34
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 19:34
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 19:34
Anthracene	**0.000071**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 19:34
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 19:34
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 19:34
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 19:34
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 19:34
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 19:34
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 19:34
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 19:34
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2022 19:34
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 19:34
Naphthalene	**0.00016**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 19:34
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 19:34
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 19:34
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 19:34
Phenanthrene	**0.000032**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 19:34
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 19:34
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 19:34
Surr: 2,4,6-Tribromophenol	*85.8*			*34-129*	*%REC*	*1*	*03-Aug-2022 19:34*
Surr: 2-Fluorobiphenyl	*59.9*			*40-125*	*%REC*	*1*	*03-Aug-2022 19:34*
Surr: 2-Fluorophenol	*56.5*			*20-120*	*%REC*	*1*	*03-Aug-2022 19:34*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*03-Aug-2022 19:34*
Surr: Nitrobenzene-d5	*59.1*			*41-120*	*%REC*	*1*	*03-Aug-2022 19:34*
Surr: Phenol-d6	*55.8*			*20-120*	*%REC*	*1*	*03-Aug-2022 19:34*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00692**		**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 22:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW22BR-20220726
Collection Date: 26-Jul-2022 10:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-10
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	28-Jul-2022 15:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 15:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 15:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 15:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:30
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*28-Jul-2022 15:30*
Surr: 4-Bromofluorobenzene	*97.7*			*77-113*	*%REC*	*1*	*28-Jul-2022 15:30*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*28-Jul-2022 15:30*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2022 15:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW22BR-20220726
Collection Date: 26-Jul-2022 10:05

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 19:53
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 19:53
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 19:53
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 19:53
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 19:53
2-Methylnaphthalene	**0.00032**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 19:53
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 19:53
Acenaphthene	**0.00019**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 19:53
Anthracene	**0.00014**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 19:53
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 19:53
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 19:53
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 19:53
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 19:53
Dibenzofuran	**0.00020**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 19:53
Fluoranthene	**0.00025**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Fluorene	**0.00014**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Naphthalene	**0.0014**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 19:53
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 19:53
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 19:53
Phenanthrene	**0.00049**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 19:53
Pyrene	**0.00018**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 19:53
Surr: 2,4,6-Tribromophenol	*107*			*34-129*	*%REC*	*1*	*03-Aug-2022 19:53*
Surr: 2-Fluorobiphenyl	*64.8*			*40-125*	*%REC*	*1*	*03-Aug-2022 19:53*
Surr: 2-Fluorophenol	*59.7*			*20-120*	*%REC*	*1*	*03-Aug-2022 19:53*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*1*	*03-Aug-2022 19:53*
Surr: Nitrobenzene-d5	*60.8*			*41-120*	*%REC*	*1*	*03-Aug-2022 19:53*
Surr: Phenol-d6	*58.9*			*20-120*	*%REC*	*1*	*03-Aug-2022 19:53*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00357**		**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 22:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW22AR-20220726
Collection Date: 26-Jul-2022 11:00

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-11
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	28-Jul-2022 15:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 15:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 15:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 15:50
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 15:50
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*28-Jul-2022 15:50*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*28-Jul-2022 15:50*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*28-Jul-2022 15:50*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*28-Jul-2022 15:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW22AR-20220726
Collection Date: 26-Jul-2022 11:00

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 20:11
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 20:11
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 20:11
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 20:11
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 20:11
2-Methylnaphthalene	**0.00075**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 20:11
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 20:11
Acenaphthene	**0.0019**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 20:11
Anthracene	**0.00061**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Benz(a)anthracene	**0.000099**	J	**0.000050**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 20:11
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 20:11
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 20:11
Chrysene	**0.000060**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Dibenzofuran	**0.00051**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 20:11
Fluoranthene	**0.0012**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Fluorene	**0.00060**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Naphthalene	**0.0024**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 20:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 20:11
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 20:11
Phenanthrene	**0.0016**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 20:11
Pyrene	**0.00075**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 20:11
Surr: 2,4,6-Tribromophenol	*118*			*34-129*	*%REC*	*1*	*03-Aug-2022 20:11*
Surr: 2-Fluorobiphenyl	*52.8*			*40-125*	*%REC*	*1*	*03-Aug-2022 20:11*
Surr: 2-Fluorophenol	*49.3*			*20-120*	*%REC*	*1*	*03-Aug-2022 20:11*
Surr: 4-Terphenyl-d14	*112*			*40-135*	*%REC*	*1*	*03-Aug-2022 20:11*
Surr: Nitrobenzene-d5	*48.4*			*41-120*	*%REC*	*1*	*03-Aug-2022 20:11*
Surr: Phenol-d6	*50.4*			*20-120*	*%REC*	*1*	*03-Aug-2022 20:11*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00360**		**0.000400**	**0.00200**	**mg/L**	1	04-Aug-2022 22:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW94A-20220726
Collection Date: 26-Jul-2022 13:10

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-12
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	28-Jul-2022 16:09
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 16:09
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 16:09
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 16:09
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2022 16:09
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2022 16:09
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2022 16:09
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*28-Jul-2022 16:09*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*28-Jul-2022 16:09*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*28-Jul-2022 16:09*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2022 16:09*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW94A-20220726
Collection Date: 26-Jul-2022 13:10

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 21:08
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 21:08
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 21:08
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 21:08
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 21:08
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 21:08
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 21:08
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 21:08
Acenaphthene	**0.000048**	J	**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2022 21:08
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 21:08
Anthracene	**0.000020**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 21:08
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 21:08
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 21:08
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 21:08
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 21:08
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 21:08
Dibenzofuran	**0.000021**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 21:08
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 21:08
Fluoranthene	**0.000097**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 21:08
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 21:08
Naphthalene	**0.000098**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 21:08
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 21:08
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 21:08
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 21:08
Phenanthrene	**0.000064**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 21:08
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 21:08
Pyrene	**0.000071**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 21:08
Surr: 2,4,6-Tribromophenol	*113*			*34-129*	*%REC*	*1*	*03-Aug-2022 21:08*
Surr: 2-Fluorobiphenyl	*58.0*			*40-125*	*%REC*	*1*	*03-Aug-2022 21:08*
Surr: 2-Fluorophenol	*55.4*			*20-120*	*%REC*	*1*	*03-Aug-2022 21:08*
Surr: 4-Terphenyl-d14	*127*			*40-135*	*%REC*	*1*	*03-Aug-2022 21:08*
Surr: Nitrobenzene-d5	*61.6*			*41-120*	*%REC*	*1*	*03-Aug-2022 21:08*
Surr: Phenol-d6	*55.4*			*20-120*	*%REC*	*1*	*03-Aug-2022 21:08*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00203**		**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 20:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW93B-20220726
Collection Date: 26-Jul-2022 14:15

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2022 02:38
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2022 02:38
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2022 02:38
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2022 02:38
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2022 02:38
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2022 02:38
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2022 02:38
Surr: 1,2-Dichloroethane-d4	*98.0*			*70-126*	*%REC*	*1*	*04-Aug-2022 02:38*
Surr: 4-Bromofluorobenzene	*86.9*			*77-113*	*%REC*	*1*	*04-Aug-2022 02:38*
Surr: Dibromofluoromethane	*98.8*			*77-123*	*%REC*	*1*	*04-Aug-2022 02:38*
Surr: Toluene-d8	*97.1*			*82-127*	*%REC*	*1*	*04-Aug-2022 02:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW93B-20220726
Collection Date: 26-Jul-2022 14:15

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 20:30
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 20:30
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 20:30
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 20:30
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 20:30
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 20:30
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 20:30
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 20:30
Acenaphthene	**0.000061**	J	**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 20:30
Anthracene	**0.000060**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 20:30
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 20:30
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 20:30
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 20:30
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 20:30
Dibenzofuran	**0.000033**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 20:30
Fluoranthene	**0.000033**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Fluorene	**0.000043**	J	**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Naphthalene	**0.000070**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 20:30
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 20:30
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 20:30
Phenanthrene	**0.000058**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 20:30
Pyrene	**0.000024**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 20:30
Surr: 2,4,6-Tribromophenol	*114*			*34-129*	*%REC*	*1*	*03-Aug-2022 20:30*
Surr: 2-Fluorobiphenyl	*70.2*			*40-125*	*%REC*	*1*	*03-Aug-2022 20:30*
Surr: 2-Fluorophenol	*63.6*			*20-120*	*%REC*	*1*	*03-Aug-2022 20:30*
Surr: 4-Terphenyl-d14	*127*			*40-135*	*%REC*	*1*	*03-Aug-2022 20:30*
Surr: Nitrobenzene-d5	*66.8*			*41-120*	*%REC*	*1*	*03-Aug-2022 20:30*
Surr: Phenol-d6	*62.8*			*20-120*	*%REC*	*1*	*03-Aug-2022 20:30*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00158**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 21:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW92B-20220726
Collection Date: 26-Jul-2022 15:15

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2022 03:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2022 03:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2022 03:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2022 03:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	04-Aug-2022 03:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	04-Aug-2022 03:00
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	04-Aug-2022 03:00
Surr: 1,2-Dichloroethane-d4	*97.6*			*70-126*	*%REC*	*1*	*04-Aug-2022 03:00*
Surr: 4-Bromofluorobenzene	*87.7*			*77-113*	*%REC*	*1*	*04-Aug-2022 03:00*
Surr: Dibromofluoromethane	*99.8*			*77-123*	*%REC*	*1*	*04-Aug-2022 03:00*
Surr: Toluene-d8	*98.2*			*82-127*	*%REC*	*1*	*04-Aug-2022 03:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW92B-20220726
Collection Date: 26-Jul-2022 15:15

ANALYTICAL REPORT
WorkOrder:HS22071384
Lab ID:HS22071384-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 29-Jul-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 20:49
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 20:49
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 20:49
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 20:49
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 20:49
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 20:49
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 20:49
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 20:49
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 20:49
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 20:49
Anthracene	**0.000055**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 20:49
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 20:49
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 20:49
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 20:49
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 20:49
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 20:49
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 20:49
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 20:49
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2022 20:49
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 20:49
Naphthalene	**0.00021**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 20:49
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 20:49
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 20:49
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 20:49
Phenanthrene	**0.000041**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 20:49
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 20:49
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 20:49
Surr: 2,4,6-Tribromophenol	*112*			*34-129*	*%REC*	*1*	*03-Aug-2022 20:49*
Surr: 2-Fluorobiphenyl	*87.5*			*40-125*	*%REC*	*1*	*03-Aug-2022 20:49*
Surr: 2-Fluorophenol	*78.9*			*20-120*	*%REC*	*1*	*03-Aug-2022 20:49*
Surr: 4-Terphenyl-d14	*122*			*40-135*	*%REC*	*1*	*03-Aug-2022 20:49*
Surr: Nitrobenzene-d5	*84.0*			*41-120*	*%REC*	*1*	*03-Aug-2022 20:49*
Surr: Phenol-d6	*77.6*			*20-120*	*%REC*	*1*	*03-Aug-2022 20:49*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 04-Aug-2022		Analyst: JHD
Arsenic	**0.00408**		**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 21:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

Batch ID: 181789 **Start Date:** 29 Jul 2022 08:16 **End Date:** 29 Jul 2022 14:00
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071384-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-07	1	1000 (mL)	50 (mL)	0.05	1-liter amber glass, Neat
HS22071384-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071384-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 182021 **Start Date:** 04 Aug 2022 09:00 **End Date:** 04 Aug 2022 13:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071384-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-11		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 182042 **Start Date:** 04 Aug 2022 12:30 **End Date:** 04 Aug 2022 16:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071384-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071384-14		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181789 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22071384-03	WG-1620-FB11-20220725	25 Jul 2022 08:05		29 Jul 2022 08:16	05 Aug 2022 16:34	10
HS22071384-03	WG-1620-FB11-20220725	25 Jul 2022 08:05		29 Jul 2022 08:16	03 Aug 2022 17:59	1
Batch ID: 181789 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS22071384-02	WG-1620-MW54C-20220725	25 Jul 2022 08:05		29 Jul 2022 08:16	05 Aug 2022 16:14	10
HS22071384-02	WG-1620-MW54C-20220725	25 Jul 2022 08:05		29 Jul 2022 08:16	03 Aug 2022 17:41	1
HS22071384-04	WG-1620-MW25A-20220725	25 Jul 2022 09:05		29 Jul 2022 08:16	05 Aug 2022 16:55	1
HS22071384-05	WG-1620-MW25C-20220725	25 Jul 2022 09:55		29 Jul 2022 08:16	08 Aug 2022 13:32	1000
HS22071384-05	WG-1620-MW25C-20220725	25 Jul 2022 09:55		29 Jul 2022 08:16	05 Aug 2022 17:15	100
HS22071384-06	WG-1620-MW44A-20220725	25 Jul 2022 10:50		29 Jul 2022 08:16	08 Aug 2022 13:54	10
HS22071384-07	WG-1620-MW45C-20220725	25 Jul 2022 11:40		29 Jul 2022 08:16	05 Aug 2022 18:16	50000
HS22071384-07	WG-1620-MW45C-20220725	25 Jul 2022 11:40		29 Jul 2022 08:16	03 Aug 2022 17:22	1000
HS22071384-08	WG-1620-MW38A-20220726	26 Jul 2022 08:05		29 Jul 2022 08:16	03 Aug 2022 19:15	1
HS22071384-09	WG-1620-MW38B-20220726	26 Jul 2022 09:00		29 Jul 2022 08:16	03 Aug 2022 19:34	1
HS22071384-10	WG-1620-MW22BR-20220726	26 Jul 2022 10:05		29 Jul 2022 08:16	03 Aug 2022 19:53	1
HS22071384-11	WG-1620-MW22AR-20220726	26 Jul 2022 11:00		29 Jul 2022 08:16	03 Aug 2022 20:11	1
HS22071384-12	WG-1620-MW94A-20220726	26 Jul 2022 13:10		29 Jul 2022 08:16	03 Aug 2022 21:08	1
HS22071384-13	WG-1620-MW93B-20220726	26 Jul 2022 14:15		29 Jul 2022 08:16	03 Aug 2022 20:30	1
HS22071384-14	WG-1620-MW92B-20220726	26 Jul 2022 15:15		29 Jul 2022 08:16	03 Aug 2022 20:49	1
Batch ID: 182021 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22071384-03	WG-1620-FB11-20220725	25 Jul 2022 08:05		04 Aug 2022 09:00	04 Aug 2022 21:57	1
Batch ID: 182021 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS22071384-02	WG-1620-MW54C-20220725	25 Jul 2022 08:05		04 Aug 2022 09:00	04 Aug 2022 21:55	1
HS22071384-04	WG-1620-MW25A-20220725	25 Jul 2022 09:05		04 Aug 2022 09:00	04 Aug 2022 21:59	1
HS22071384-05	WG-1620-MW25C-20220725	25 Jul 2022 09:55		04 Aug 2022 09:00	04 Aug 2022 22:01	1
HS22071384-06	WG-1620-MW44A-20220725	25 Jul 2022 10:50		04 Aug 2022 09:00	04 Aug 2022 22:03	1
HS22071384-07	WG-1620-MW45C-20220725	25 Jul 2022 11:40		04 Aug 2022 09:00	04 Aug 2022 22:10	1
HS22071384-08	WG-1620-MW38A-20220726	26 Jul 2022 08:05		04 Aug 2022 09:00	04 Aug 2022 22:12	1
HS22071384-09	WG-1620-MW38B-20220726	26 Jul 2022 09:00		04 Aug 2022 09:00	04 Aug 2022 22:14	1
HS22071384-10	WG-1620-MW22BR-20220726	26 Jul 2022 10:05		04 Aug 2022 09:00	04 Aug 2022 22:16	1
HS22071384-11	WG-1620-MW22AR-20220726	26 Jul 2022 11:00		04 Aug 2022 09:00	04 Aug 2022 22:18	1
Batch ID: 182042 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS22071384-12	WG-1620-MW94A-20220726	26 Jul 2022 13:10		04 Aug 2022 12:30	05 Aug 2022 20:46	1
HS22071384-13	WG-1620-MW93B-20220726	26 Jul 2022 14:15		04 Aug 2022 12:30	05 Aug 2022 21:00	1
HS22071384-14	WG-1620-MW92B-20220726	26 Jul 2022 15:15		04 Aug 2022 12:30	05 Aug 2022 21:02	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R413944 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071384-02	WG-1620-MW54C-20220725	25 Jul 2022 08:05			28 Jul 2022 13:30	1
HS22071384-04	WG-1620-MW25A-20220725	25 Jul 2022 09:05			28 Jul 2022 13:49	1
HS22071384-05	WG-1620-MW25C-20220725	25 Jul 2022 09:55			28 Jul 2022 14:11	10
HS22071384-06	WG-1620-MW44A-20220725	25 Jul 2022 10:50			28 Jul 2022 14:31	1
HS22071384-07	WG-1620-MW45C-20220725	25 Jul 2022 11:40			28 Jul 2022 16:29	10
HS22071384-08	WG-1620-MW38A-20220726	26 Jul 2022 08:05			28 Jul 2022 14:51	1
HS22071384-09	WG-1620-MW38B-20220726	26 Jul 2022 09:00			28 Jul 2022 15:10	1
HS22071384-10	WG-1620-MW22BR-20220726	26 Jul 2022 10:05			28 Jul 2022 15:30	1
HS22071384-11	WG-1620-MW22AR-20220726	26 Jul 2022 11:00			28 Jul 2022 15:50	1
HS22071384-12	WG-1620-MW94A-20220726	26 Jul 2022 13:10			28 Jul 2022 16:09	1
Batch ID: R413944 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22071384-01	WG-1620-TB08-20220725	25 Jul 2022 00:00			28 Jul 2022 12:50	1
HS22071384-03	WG-1620-FB11-20220725	25 Jul 2022 08:05			28 Jul 2022 13:10	1
Batch ID: R414416 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071384-13	WG-1620-MW93B-20220726	26 Jul 2022 14:15			04 Aug 2022 02:38	1
HS22071384-14	WG-1620-MW92B-20220726	26 Jul 2022 15:15			04 Aug 2022 03:00	1

WorkOrder: HS22071384
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	0.00125	0.000993	0.000400	0.00200

WorkOrder: HS22071384
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	0.000076	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000040	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000069	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000077	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000073	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000036	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000032	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.000043	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000042	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000040	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000039	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000029	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000070	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00017	0.000037	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00012	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000035	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000042	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000043	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000087	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000093	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000041	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000076	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000046	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: HS22071384
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	0.010	0.0097	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.010	0.0082	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.010	0.0090	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.010	0.0088	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.010	0.0093	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.010	0.010	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.010	0.0022	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.010	0.0064	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000038	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000036	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000035	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000029	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	0.010	0.0098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.010	0.0062	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000049	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.0017	0.0021	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.010	0.0087	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000033	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000033	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000037	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.010	0.010	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.010	0.0088	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.010	0.00060	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000036	0.000021	0.00010
A	Phenol	108-95-2	0.010	0.0096	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000038	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: HS22071384
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	0.000065	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000049	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000048	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000059	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000067	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000052	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000025	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.00020	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000053	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000048	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000059	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000050	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000069	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00012	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000055	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000085	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000054	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000045	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000052	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000067	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000077	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000051	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000052	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000070	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000052	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: HS22071384
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00063	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00062	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00067	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0017	0.00030	0.0010
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: HS22071384
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	0.00065	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00070	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00069	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00057	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.0011	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00065	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0014	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 182021 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-182021** Units: **mg/L** Analysis Date: **04-Aug-2022 21:27**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787638** PrepDate: **04-Aug-2022** 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-182021** Units: **mg/L** Analysis Date: **04-Aug-2022 21:29**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787639** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05116	0.00200	0.05	0	102	80 - 120				

MS Sample ID: **HS22080164-11MS** Units: **mg/L** Analysis Date: **04-Aug-2022 21:35**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787642** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05435	0.00200	0.05	0.000149	108	80 - 120				

MSD Sample ID: **HS22080164-11MSD** Units: **mg/L** Analysis Date: **04-Aug-2022 21:37**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787643** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05114	0.00200	0.05	0.000149	102	80 - 120	0.05435	6.1	20	

PDS Sample ID: **HS22080164-11PDS** Units: **mg/L** Analysis Date: **04-Aug-2022 21:39**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787644** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1056	0.00200	0.1	0.000149	105	75 - 125				

SD Sample ID: **HS22080164-11SD** Units: **mg/L** Analysis Date: **04-Aug-2022 21:33**
Client ID: Run ID: **ICPMS07_414428** SeqNo: **6787641** PrepDate: **04-Aug-2022** 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					0.000149	0	10	

The following samples were analyzed in this batch:

HS22071384-02	HS22071384-03	HS22071384-04	HS22071384-05
HS22071384-06	HS22071384-07	HS22071384-08	HS22071384-09
HS22071384-10	HS22071384-11		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 182042 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLKF1-182042** Units: **mg/L** Analysis Date: **05-Aug-2022 20:42**
Client ID: Run ID: **ICPMS07_414510** SeqNo: **6789734** PrepDate: **04-Aug-2022** 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-182042** Units: **mg/L** Analysis Date: **05-Aug-2022 20:40**
Client ID: Run ID: **ICPMS07_414510** SeqNo: **6789733** PrepDate: **04-Aug-2022** 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-182042** Units: **mg/L** Analysis Date: **05-Aug-2022 20:44**
Client ID: Run ID: **ICPMS07_414510** SeqNo: **6789735** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05113	0.00200	0.05	0	102	80 - 120				

MS Sample ID: **HS22071384-12MS** Units: **mg/L** Analysis Date: **05-Aug-2022 20:50**
Client ID: **WG-1620-MW94A-20220726** Run ID: **ICPMS07_414510** SeqNo: **6789738** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0549	0.00200	0.05	0.002029	106	80 - 120				

MSD Sample ID: **HS22071384-12MSD** Units: **mg/L** Analysis Date: **05-Aug-2022 20:52**
Client ID: **WG-1620-MW94A-20220726** Run ID: **ICPMS07_414510** SeqNo: **6789739** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05453	0.00200	0.05	0.002029	105	80 - 120	0.0549	0.669	20	

PDS Sample ID: **HS22071384-12PDS** Units: **mg/L** Analysis Date: **05-Aug-2022 20:54**
Client ID: **WG-1620-MW94A-20220726** Run ID: **ICPMS07_414510** SeqNo: **6789740** PrepDate: **04-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1051	0.00200	0.1	0.002029	103	75 - 125				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 182042 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

SD Sample ID: **HS22071384-12SD** Units: **mg/L** Analysis Date: **05-Aug-2022 20:48**
Client ID: **WG-1620-MW94A-20220726** Run ID: **ICPMS07_414510** SeqNo: **6789737** PrepDate: **04-Aug-2022** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.002178	0.0100					0.002029	0	10	J

The following samples were analyzed in this batch: HS22071384-12 HS22071384-13 HS22071384-14

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 181789 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181789** Units: **ug/L** Analysis Date: **02-Aug-2022 10:24**
Client ID: Run ID: **SV-8_414230** SeqNo: **6782284** PrepDate: **29-Jul-2022** 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	0.20								
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	*4.206*	*0.20*	*5*	*0*	*84.1*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.862*	*0.20*	*5*	*0*	*77.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.843*	*0.20*	*5*	*0*	*76.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.06*	*0.20*	*5*	*0*	*101*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.831*	*0.20*	*5*	*0*	*76.6*	*41 - 120*				
Surr: Phenol-d6	*3.774*	*0.20*	*5*	*0*	*75.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 181789 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181789** Units: **ug/L** Analysis Date: **02-Aug-2022 12:36**
Client ID: Run ID: **SV-8_414230** SeqNo: **6782287** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.576	0.20	5	0	91.5	39 - 127				
2,4-Dimethylphenol	3.878	0.20	5	0	77.6	35 - 120				
2,4-Dinitrotoluene	5.195	0.20	5	0	104	50 - 122				
2,6-Dinitrotoluene	5.195	0.20	5	0	104	50 - 120				
2-Chloronaphthalene	4.627	0.20	5	0	92.5	50 - 120				
2-Methylnaphthalene	4.542	0.10	5	0	90.8	50 - 120				
4,6-Dinitro-2-methylphenol	4.509	0.20	5	0	90.2	25 - 121				
4-Nitrophenol	4.432	1.0	5	0	88.6	30 - 130				
Acenaphthene	4.485	0.10	5	0	89.7	45 - 120				
Acenaphthylene	4.502	0.10	5	0	90.0	47 - 120				
Anthracene	4.818	0.10	5	0	96.4	45 - 120				
Benz(a)anthracene	5.094	0.10	5	0	102	40 - 120				
Benzo(a)pyrene	4.683	0.10	5	0	93.7	45 - 120				
Bis(2-chloroethoxy)methane	4.49	0.20	5	0	89.8	45 - 120				
Bis(2-ethylhexyl)phthalate	7.173	0.20	5	0	143	40 - 139				S
Chrysene	4.848	0.10	5	0	97.0	43 - 120				
Dibenzofuran	4.551	0.10	5	0	91.0	50 - 120				
Di-n-butyl phthalate	7.201	0.20	5	0	144	45 - 123				S
Fluoranthene	5.204	0.10	5	0	104	45 - 125				
Fluorene	4.708	0.10	5	0	94.2	49 - 120				
Naphthalene	4.409	0.10	5	0	88.2	45 - 120				
Nitrobenzene	4.299	0.20	5	0	86.0	44 - 120				
N-Nitrosodiphenylamine	4.998	0.20	5	0	100.0	40 - 125				
Pentachlorophenol	4.896	0.20	5	0	97.9	19 - 121				
Phenanthrene	4.68	0.10	5	0	93.6	45 - 121				
Phenol	4.17	0.20	5	0	83.4	20 - 124				
Pyrene	5.022	0.10	5	0	100	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.257*	*0.20*	*5*	*0*	*105*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.494*	*0.20*	*5*	*0*	*89.9*	*40 - 125*				
Surr: 2-Fluorophenol	*3.689*	*0.20*	*5*	*0*	*73.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.187*	*0.20*	*5*	*0*	*104*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.359*	*0.20*	*5*	*0*	*87.2*	*41 - 120*				
Surr: Phenol-d6	*4.016*	*0.20*	*5*	*0*	*80.3*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 181789 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22071405-03MS** Units: **ug/L** Analysis Date: **03-Aug-2022 14:50**
Client ID: Run ID: **SV-8_414342** SeqNo: **6786661** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.081	0.20	5	0	81.6	39 - 127				
2,4-Dimethylphenol	3.443	0.20	5	0	68.9	35 - 120				
2,4-Dinitrotoluene	4.805	0.20	5	0	96.1	50 - 122				
2,6-Dinitrotoluene	4.805	0.20	5	0	96.1	50 - 120				
2-Chloronaphthalene	3.154	0.20	5	0	63.1	50 - 120				
2-Methylnaphthalene	3.237	0.10	5	0	64.7	50 - 120				
4,6-Dinitro-2-methylphenol	5.293	0.20	5	0	106	25 - 121				
4-Nitrophenol	3.779	1.0	5	0	75.6	30 - 130				
Acenaphthene	3.467	0.10	5	0	69.3	45 - 120				
Acenaphthylene	3.295	0.10	5	0	65.9	47 - 120				
Anthracene	4.679	0.10	5	0	93.6	45 - 120				
Benz(a)anthracene	5.265	0.10	5	0	105	40 - 120				
Benzo(a)pyrene	5.373	0.10	5	0	107	45 - 120				
Bis(2-chloroethoxy)methane	3.227	0.20	5	0	64.5	45 - 120				
Bis(2-ethylhexyl)phthalate	8.641	0.20	5	0	173	40 - 139				S
Chrysene	4.716	0.10	5	0	94.3	43 - 120				
Dibenzofuran	3.532	0.10	5	0	70.6	50 - 120				
Di-n-butyl phthalate	7.465	0.20	5	0	149	45 - 123				S
Fluoranthene	5.236	0.10	5	0	105	45 - 125				
Fluorene	3.862	0.10	5	0	77.2	49 - 120				
Naphthalene	3.222	0.10	5	0.04982	63.4	45 - 120				
Nitrobenzene	3.018	0.20	5	0	60.4	44 - 120				
N-Nitrosodiphenylamine	4.974	0.20	5	0	99.5	40 - 125				
Pentachlorophenol	6.568	0.20	5	0	131	19 - 121				S
Phenanthrene	4.718	0.10	5	0	94.4	45 - 121				
Phenol	2.93	0.20	5	0	58.6	20 - 124				
Pyrene	5.226	0.10	5	0	105	40 - 130				
Surr: 2,4,6-Tribromophenol	*6.295*	*0.20*	*5*	*0*	*126*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*2.995*	*0.20*	*5*	*0*	*59.9*	*40 - 125*				
Surr: 2-Fluorophenol	*2.894*	*0.20*	*5*	*0*	*57.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.768*	*0.20*	*5*	*0*	*115*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.039*	*0.20*	*5*	*0*	*60.8*	*41 - 120*				
Surr: Phenol-d6	*2.991*	*0.20*	*5*	*0*	*59.8*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 181789 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22071405-03MSD** Units: **ug/L** Analysis Date: **03-Aug-2022 15:09**
Client ID: Run ID: **SV-8_414342** SeqNo: **6786662** PrepDate: **29-Jul-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.624	0.20	5	0	92.5	39 - 127	4.081	12.5	20	
2,4-Dimethylphenol	3.596	0.20	5	0	71.9	35 - 120	3.443	4.36	20	
2,4-Dinitrotoluene	4.736	0.20	5	0	94.7	50 - 122	4.805	1.44	20	
2,6-Dinitrotoluene	4.736	0.20	5	0	94.7	50 - 120	4.805	1.44	20	
2-Chloronaphthalene	3.088	0.20	5	0	61.8	50 - 120	3.154	2.11	20	
2-Methylnaphthalene	3.201	0.10	5	0	64.0	50 - 120	3.237	1.1	20	
4,6-Dinitro-2-methylphenol	6.734	0.20	5	0	135	25 - 121	5.293	24	30	S
4-Nitrophenol	4.614	1.0	5	0	92.3	30 - 130	3.779	19.9	20	
Acenaphthene	3.508	0.10	5	0	70.2	45 - 120	3.467	1.17	20	
Acenaphthylene	3.274	0.10	5	0	65.5	47 - 120	3.295	0.626	20	
Anthracene	5.64	0.10	5	0	113	45 - 120	4.679	18.6	20	
Benz(a)anthracene	6.739	0.10	5	0	135	40 - 120	5.265	24.6	20	SR
Benzo(a)pyrene	6.834	0.10	5	0	137	45 - 120	5.373	23.9	20	SR
Bis(2-chloroethoxy)methane	3.267	0.20	5	0	65.3	45 - 120	3.227	1.22	20	
Bis(2-ethylhexyl)phthalate	11.2	0.20	5	0	224	40 - 139	8.641	25.8	20	SRE
Chrysene	6.028	0.10	5	0	121	43 - 120	4.716	24.4	20	SR
Dibenzofuran	3.424	0.10	5	0	68.5	50 - 120	3.532	3.11	20	
Di-n-butyl phthalate	9.591	0.20	5	0	192	45 - 123	7.465	24.9	20	SR
Fluoranthene	6.87	0.10	5	0	137	45 - 125	5.236	27	20	SR
Fluorene	3.715	0.10	5	0	74.3	49 - 120	3.862	3.9	20	
Naphthalene	3.259	0.10	5	0.04982	64.2	45 - 120	3.222	1.16	20	
Nitrobenzene	3.021	0.20	5	0	60.4	44 - 120	3.018	0.0904	20	
N-Nitrosodiphenylamine	5.534	0.20	5	0	111	40 - 125	4.974	10.7	20	
Pentachlorophenol	8.217	0.20	5	0	164	19 - 121	6.568	22.3	20	SR
Phenanthrene	5.646	0.10	5	0	113	45 - 121	4.718	17.9	20	
Phenol	2.968	0.20	5	0	59.4	20 - 124	2.93	1.28	20	
Pyrene	6.004	0.10	5	0	120	40 - 130	5.226	13.9	20	
Surr: 2,4,6-Tribromophenol	*6.369*	*0.20*	*5*	*0*	*127*	*34 - 129*	*6.295*	*1.17*	*20*	
Surr: 2-Fluorobiphenyl	*2.816*	*0.20*	*5*	*0*	*56.3*	*40 - 125*	*2.995*	*6.16*	*20*	
Surr: 2-Fluorophenol	*3.177*	*0.20*	*5*	*0*	*63.5*	*20 - 120*	*2.894*	*9.34*	*20*	
Surr: 4-Terphenyl-d14	*6.642*	*0.20*	*5*	*0*	*133*	*40 - 135*	*5.768*	*14.1*	*20*	
Surr: Nitrobenzene-d5	*3.031*	*0.20*	*5*	*0*	*60.6*	*41 - 120*	*3.039*	*0.275*	*20*	
Surr: Phenol-d6	*2.995*	*0.20*	*5*	*0*	*59.9*	*20 - 120*	*2.991*	*0.131*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: 181789 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22071384-02	HS22071384-03	HS22071384-04	HS22071384-05
HS22071384-06	HS22071384-07	HS22071384-08	HS22071384-09
HS22071384-10	HS22071384-11	HS22071384-12	HS22071384-13
HS22071384-14			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: R413944 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220728** Units: **ug/L** Analysis Date: **28-Jul-2022 10:48**
Client ID: Run ID: **VOA7_413944** SeqNo: **6771174** 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	1.0							
Surr: 1,2-Dichloroethane-d4	*51.99*	*1.0*	*50*	*0*	*104*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*50*	*1.0*	*50*	*0*	*100*	*77 - 113*			
Surr: Dibromofluoromethane	*52.03*	*1.0*	*50*	*0*	*104*	*73 - 126*			
Surr: Toluene-d8	*50.84*	*1.0*	*50*	*0*	*102*	*81 - 120*			

LCS Sample ID: **VLCSW-220728** Units: **ug/L** Analysis Date: **28-Jul-2022 10:08**
Client ID: Run ID: **VOA7_413944** SeqNo: **6771173** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	20.63	1.0	20	0	103	70 - 124			
Benzene	21.75	1.0	20	0	109	74 - 120			
Chlorobenzene	20.8	1.0	20	0	104	76 - 113			
Ethylbenzene	20.35	1.0	20	0	102	77 - 117			
Methylene chloride	22.67	2.0	20	0	113	70 - 127			
Toluene	20.9	1.0	20	0	104	77 - 118			
Xylenes, Total	63.06	1.0	60	0	105	75 - 122			
Surr: 1,2-Dichloroethane-d4	*51.5*	*1.0*	*50*	*0*	*103*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*50.18*	*1.0*	*50*	*0*	*100*	*77 - 113*			
Surr: Dibromofluoromethane	*51.62*	*1.0*	*50*	*0*	*103*	*73 - 126*			
Surr: Toluene-d8	*51.78*	*1.0*	*50*	*0*	*104*	*81 - 120*			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: R413944 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071414-01MS** Units: **ug/L** Analysis Date: **28-Jul-2022 18:07**
Client ID: Run ID: **VOA7_413944** SeqNo: **6772287** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.03	1.0	20	0	95.2	70 - 127				
Benzene	20.33	1.0	20	0	102	70 - 127				
Chlorobenzene	19.16	1.0	20	0	95.8	70 - 114				
Ethylbenzene	19.43	1.0	20	0	97.1	70 - 124				
Methylene chloride	20.19	2.0	20	0	101	70 - 128				
Toluene	19.9	1.0	20	0	99.5	70 - 123				
Xylenes, Total	59.31	1.0	60	0	98.8	70 - 130				
Surr: 1,2-Dichloroethane-d4	*53.52*	*1.0*	*50*	*0*	*107*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.81*	*1.0*	*50*	*0*	*99.6*	*77 - 113*				
Surr: Dibromofluoromethane	*52.28*	*1.0*	*50*	*0*	*105*	*77 - 123*				
Surr: Toluene-d8	*52.33*	*1.0*	*50*	*0*	*105*	*82 - 127*				

MSD Sample ID: **HS22071414-01MSD** Units: **ug/L** Analysis Date: **28-Jul-2022 18:27**
Client ID: Run ID: **VOA7_413944** SeqNo: **6772288** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.56	1.0	20	0	92.8	70 - 127	19.03	2.55	20	
Benzene	20.14	1.0	20	0	101	70 - 127	20.33	0.955	20	
Chlorobenzene	18.82	1.0	20	0	94.1	70 - 114	19.16	1.79	20	
Ethylbenzene	19.13	1.0	20	0	95.6	70 - 124	19.43	1.55	20	
Methylene chloride	18.95	2.0	20	0	94.8	70 - 128	20.19	6.34	20	
Toluene	19.56	1.0	20	0	97.8	70 - 123	19.9	1.74	20	
Xylenes, Total	58.15	1.0	60	0	96.9	70 - 130	59.31	1.97	20	
Surr: 1,2-Dichloroethane-d4	*52.95*	*1.0*	*50*	*0*	*106*	*70 - 126*	*53.52*	*1.07*	*20*	
Surr: 4-Bromofluorobenzene	*49.84*	*1.0*	*50*	*0*	*99.7*	*77 - 113*	*49.81*	*0.0485*	*20*	
Surr: Dibromofluoromethane	*51.13*	*1.0*	*50*	*0*	*102*	*77 - 123*	*52.28*	*2.22*	*20*	
Surr: Toluene-d8	*52.13*	*1.0*	*50*	*0*	*104*	*82 - 127*	*52.33*	*0.379*	*20*	

The following samples were analyzed in this batch:

HS22071384-01	HS22071384-02	HS22071384-03	HS22071384-04
HS22071384-05	HS22071384-06	HS22071384-07	HS22071384-08
HS22071384-09	HS22071384-10	HS22071384-11	HS22071384-12

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: R414416 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220802** Units: **ug/L** Analysis Date: **04-Aug-2022 01:09**
Client ID: Run ID: **VOA9_414416** SeqNo: **6786284** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*48.42*	*1.0*	*50*	*0*	*96.8*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*44.24*	*1.0*	*50*	*0*	*88.5*	*77 - 113*				
Surr: Dibromofluoromethane	*49.2*	*1.0*	*50*	*0*	*98.4*	*73 - 126*				
Surr: Toluene-d8	*49.08*	*1.0*	*50*	*0*	*98.2*	*81 - 120*				

LCS Sample ID: **VLCSW-220802** Units: **ug/L** Analysis Date: **04-Aug-2022 00:24**
Client ID: Run ID: **VOA9_414416** SeqNo: **6786283** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.56	1.0	20	0	103	70 - 124				
Benzene	18.86	1.0	20	0	94.3	74 - 120				
Chlorobenzene	20.05	1.0	20	0	100	76 - 113				
Ethylbenzene	18.32	1.0	20	0	91.6	77 - 117				
Methylene chloride	19.05	2.0	20	0	95.3	70 - 127				
Toluene	18.81	1.0	20	0	94.0	77 - 118				
Xylenes, Total	56.26	1.0	60	0	93.8	75 - 122				
Surr: 1,2-Dichloroethane-d4	*45.73*	*1.0*	*50*	*0*	*91.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.92*	*1.0*	*50*	*0*	*97.8*	*77 - 113*				
Surr: Dibromofluoromethane	*48.45*	*1.0*	*50*	*0*	*96.9*	*73 - 126*				
Surr: Toluene-d8	*49.25*	*1.0*	*50*	*0*	*98.5*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071384

QC BATCH REPORT

Batch ID: R414416 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071384-13MS** Units: **ug/L** Analysis Date: **04-Aug-2022 03:23**
Client ID: **WG-1620-MW93B-20220726** Run ID: **VOA9_414416** SeqNo: **6786290** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.94	1.0	20	0	105	70 - 127				
Benzene	20.14	1.0	20	0	101	70 - 127				
Chlorobenzene	21.51	1.0	20	0	108	70 - 114				
Ethylbenzene	20.62	1.0	20	0	103	70 - 124				
Methylene chloride	20.69	2.0	20	0	103	70 - 128				
Toluene	21.03	1.0	20	0	105	70 - 123				
Xylenes, Total	62.26	1.0	60	0	104	70 - 130				
Surr: 1,2-Dichloroethane-d4	*46.58*	*1.0*	*50*	*0*	*93.2*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.25*	*1.0*	*50*	*0*	*98.5*	*77 - 113*				
Surr: Dibromofluoromethane	*49.6*	*1.0*	*50*	*0*	*99.2*	*77 - 123*				
Surr: Toluene-d8	*49.9*	*1.0*	*50*	*0*	*99.8*	*82 - 127*				

MSD Sample ID: **HS22071384-13MSD** Units: **ug/L** Analysis Date: **04-Aug-2022 03:45**
Client ID: **WG-1620-MW93B-20220726** Run ID: **VOA9_414416** SeqNo: **6786291** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.69	1.0	20	0	103	70 - 127	20.94	1.2	20	
Benzene	20.1	1.0	20	0	100	70 - 127	20.14	0.243	20	
Chlorobenzene	21.25	1.0	20	0	106	70 - 114	21.51	1.18	20	
Ethylbenzene	20.95	1.0	20	0	105	70 - 124	20.62	1.62	20	
Methylene chloride	20.47	2.0	20	0	102	70 - 128	20.69	1.1	20	
Toluene	20.46	1.0	20	0	102	70 - 123	21.03	2.76	20	
Xylenes, Total	62.5	1.0	60	0	104	70 - 130	62.26	0.396	20	
Surr: 1,2-Dichloroethane-d4	*47.33*	*1.0*	*50*	*0*	*94.7*	*70 - 126*	*46.58*	*1.59*	*20*	
Surr: 4-Bromofluorobenzene	*48.9*	*1.0*	*50*	*0*	*97.8*	*77 - 113*	*49.25*	*0.717*	*20*	
Surr: Dibromofluoromethane	*49.7*	*1.0*	*50*	*0*	*99.4*	*77 - 123*	*49.6*	*0.203*	*20*	
Surr: Toluene-d8	*49.47*	*1.0*	*50*	*0*	*98.9*	*82 - 127*	*49.9*	*0.854*	*20*	

The following samples were analyzed in this batch: HS22071384-13 HS22071384-14

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22071384**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023

Sample Receipt Checklist

Work Order ID: HS22071384 **Date/Time Received:** **27-Jul-2022 11:15**

Client Name: PBW **Received by:** **Corey Grandits**

Completed By:	/S/ Pablo Marinez	27-Jul-2022 15:44	**Reviewed by:**	/S/ Dane J. Wacasey	29-Jul-2022 12:37
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** Carrier name: **Greyhound**

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:274812/810
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):	1.1°C/1.6°C, 0.9°C/1.4°C, 0.8°C/1.3°C UC/C	IR 31
Cooler(s)/Kit(s):	49346, 49131, 48505	
Date/Time sample(s) sent to storage:	7/27/22 15:45	

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: WG-1620-FD05-20220725 - Sample listed on CoC, but not received
WG-1620-FB11-20220725 - Sample was crossed off chain, but received, Collection Time differs, CoC = 07:10 Label = 08:05; logged per Label

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
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 274812

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
Work Order		Project Number	1620-01-Rev1 SR 92688	B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P	C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D ICP_TW (5636002 Metals - As) [120ml PI HNO3]
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750	E F
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750	G
Phone	(512) 671-3434	Phone		H
Fax	(512) 671-3446	Fax		I
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		J

HS22071384

WSP Golder

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-TB 08 -20220725			Water	1,8	2	X										
2	WG-1620-MW54C-20220725	7-25-22	0805	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-FD05-20220725		0805	GW		6	X		X	X							
4	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]							
5	WG-1620-MW25A-20220725		0905	GW		6	X		X	X							
6	WG-1620-MW25C-20220725		0955	GW		6	X		X	X							
7	WG-1620-MW44A-20220725		1050	GW		6	X		X	X							
8	WG-1620-MW45C-20220725		1140	GW		6	X		X	X							
9	WG-1620-MW38A-20220726	7-26-22	0805	GW		6	X		X	X							
10	WG-1620-MW38B-20220726		0900	GW		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hou [ ] Other

Results Due Date:

Relinquished by: | Date: 7-27-22 | Time: 1115 | Received by:

Relinquished by: | Date: | Time: | Received by (Laboratory): COREY S 7-27-22 1115

Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
C19341	1.1°C
CA BLUE	0.4°C
98505	0.8°C

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. The Chain of Custody is a legal document. All information must be completed accurately.

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Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
Spring City, PA +1 610 948 4903
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 274810

ALS Project Manager:

ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works	A 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
Work Order		Project Number	1620-01-Rev1 SR 92688	B 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P	C 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D ICP_TW (5636002 Metals - As) [120ml PI HNO3]
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750	E F
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750	G
Phone	(512) 671-3434	Phone		H
Fax	(512) 671-3446	Fax		I
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address		J

HS22071384

WSP Golder

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-TB-2022~~			~~Water~~	~~1,8~~	~~2~~											
2	WG-1620-MW22BR-20220726	7-26-22	1005	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-MW22AR-20220726		1100	GW		6	X		X	X							
4	WG-1620-MW94A-20220726		1310	GW		6	X		X	X							
5	WG-1620-MW93B-20220726		1415	GW		6	X		X	X							
6	WG-1620-MW92B-20220726		1515	GW		6	X		X	X							
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hou [ ] Other

Results Due Date:

Relinquished by: Date: 7-27-22 Time: 1115 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 7-27-22 1115

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

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
- [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
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August 09, 2022

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS22071469**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 15 sample(s) on Jul 28, 2022 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
Dane J. Wacasey

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS22071469**	

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 Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS22071469**

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.

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/09/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071469					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181858,182076,R414195,R414197					
#[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			2	
		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			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 effects 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: 08/09/2022					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS22071469					
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 181858,182076,R414195,R414197					
#[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: 08/09/2022
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS22071469
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 181858,182076,R414195,R414197

ER#[5]	Description
1	Semivolatile Organics Method SW8270, sample WG-1620-MW67B-20220727, surrogate 4-Terphenyl-d14 recovered above the control limit, no target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.
2	Batch 181858, Semivolatile Organics Method SW8270D, LCS recovery was above the control limits for Bis(2-ethylhexyl)phthalate, Di-n-butyl phthalate, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine. The associated results are non detect.
3	Batch 181858, Semivolatile Organics Method SW8270D, sample WG-1620-MW65D-20220727, MS recovered outside the control limit for some compounds due to suspect matrix effect Batch 181858, Semivolatile Organics Method SW8270D, sample WG-1620-MW67B-20220727, MS and MSD recovered outside the control limit for some compounds due to suspect matrix effect
4	Batch 181858, Semivolatile Organics Method SW8270D, sample WG-1620-MW65D-20220727, MS/MSD RPD recovered above the RPD limit for some compounds due to suspect matrix effect Batch 181858, Semivolatile Organics Method SW8270D, sample WG-1620-MW67B-20220727, MS/MSD RPD recovered above the RPD limit for some compounds due to suspect matrix effectfa
5	Batch 181858, Semivolatile Organics Method SW8270, sample WG-1620-MW66D-20220727, 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 Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS22071469

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22071469-01	WG-1620-TB09-20220727	Water	CG-061422-505	27-Jul-2022 00:00	28-Jul-2022 10:45	☐
HS22071469-02	WG-1620-MW84B-20220726	Groundwater		26-Jul-2022 16:15	28-Jul-2022 10:45	☐
HS22071469-03	WG-1620-MW84A-20220726	Groundwater		26-Jul-2022 17:05	28-Jul-2022 10:45	☐
HS22071469-04	WG-1620-FB12-20220726	Water		26-Jul-2022 17:30	28-Jul-2022 10:45	☐
HS22071469-05	WG-1620-MW87C-20220727	Groundwater		27-Jul-2022 07:55	28-Jul-2022 10:45	☐
HS22071469-06	WG-1620-MW36A-20220727	Groundwater		27-Jul-2022 09:00	28-Jul-2022 10:45	☐
HS22071469-07	WG-1620-MW91A-20220727	Groundwater		27-Jul-2022 09:50	28-Jul-2022 10:45	☐
HS22071469-08	WG-1620-FD06-20220727	Groundwater		27-Jul-2022 09:50	28-Jul-2022 10:45	☐
HS22071469-09	WG-1620-MW67B-20220727	Groundwater		27-Jul-2022 10:50	28-Jul-2022 10:45	☐
HS22071469-10	WG-1620-MW90B-20220727	Groundwater		27-Jul-2022 12:25	28-Jul-2022 10:45	☐
HS22071469-11	WG-1620-MW36D-20220727	Groundwater		27-Jul-2022 13:40	28-Jul-2022 10:45	☐
HS22071469-12	WG-1620-MW66D-20220727	Groundwater		27-Jul-2022 14:50	28-Jul-2022 10:45	☐
HS22071469-13	WG-1620-MW59D-20220727	Groundwater		27-Jul-2022 16:10	28-Jul-2022 10:45	☐
HS22071469-14	WG-1620-FD07-20220727	Groundwater		27-Jul-2022 16:10	28-Jul-2022 10:45	☐
HS22071469-15	WG-1620-MW65D-20220727	Groundwater		27-Jul-2022 17:25	28-Jul-2022 10:45	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-TB09-20220727
Collection Date: 27-Jul-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-01
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	01-Aug-2022 22:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 22:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 22:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 22:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	01-Aug-2022 22:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 22:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 22:30
Surr: 1,2-Dichloroethane-d4	*87.8*			*70-126*	*%REC*	*1*	*01-Aug-2022 22:30*
Surr: 4-Bromofluorobenzene	*95.5*			*77-113*	*%REC*	*1*	*01-Aug-2022 22:30*
Surr: Dibromofluoromethane	*87.3*			*77-123*	*%REC*	*1*	*01-Aug-2022 22:30*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*01-Aug-2022 22:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84B-20220726
Collection Date: 26-Jul-2022 16:15

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-02
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	01-Aug-2022 15:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 15:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 15:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 15:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	01-Aug-2022 15:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 15:30
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 15:30
Surr: 1,2-Dichloroethane-d4	*91.9*			*70-126*	*%REC*	*1*	*01-Aug-2022 15:30*
Surr: 4-Bromofluorobenzene	*94.1*			*77-113*	*%REC*	*1*	*01-Aug-2022 15:30*
Surr: Dibromofluoromethane	*88.7*			*77-123*	*%REC*	*1*	*01-Aug-2022 15:30*
Surr: Toluene-d8	*96.0*			*82-127*	*%REC*	*1*	*01-Aug-2022 15:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84B-20220726
Collection Date: 26-Jul-2022 16:15

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 21:46
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 21:46
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 21:46
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 21:46
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 21:46
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 21:46
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 21:46
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 21:46
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 21:46
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 21:46
Anthracene	**0.000030**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 21:46
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 21:46
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 21:46
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 21:46
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 21:46
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 21:46
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 21:46
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 21:46
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2022 21:46
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 21:46
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 21:46
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 21:46
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 21:46
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 21:46
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 21:46
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 21:46
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 21:46
Surr: 2,4,6-Tribromophenol	*81.9*			*34-129*	*%REC*	*1*	*03-Aug-2022 21:46*
Surr: 2-Fluorobiphenyl	*59.1*			*40-125*	*%REC*	*1*	*03-Aug-2022 21:46*
Surr: 2-Fluorophenol	*59.0*			*20-120*	*%REC*	*1*	*03-Aug-2022 21:46*
Surr: 4-Terphenyl-d14	*128*			*40-135*	*%REC*	*1*	*03-Aug-2022 21:46*
Surr: Nitrobenzene-d5	*57.2*			*41-120*	*%REC*	*1*	*03-Aug-2022 21:46*
Surr: Phenol-d6	*55.7*			*20-120*	*%REC*	*1*	*03-Aug-2022 21:46*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.00146**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 22:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84A-20220726
Collection Date: 26-Jul-2022 17:05

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-03
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	01-Aug-2022 15:52
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 15:52
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 15:52
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 15:52
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	01-Aug-2022 15:52
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 15:52
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 15:52
Surr: 1,2-Dichloroethane-d4	*89.9*			*70-126*	*%REC*	*1*	*01-Aug-2022 15:52*
Surr: 4-Bromofluorobenzene	*93.0*			*77-113*	*%REC*	*1*	*01-Aug-2022 15:52*
Surr: Dibromofluoromethane	*89.2*			*77-123*	*%REC*	*1*	*01-Aug-2022 15:52*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*01-Aug-2022 15:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW84A-20220726
Collection Date: 26-Jul-2022 17:05

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 22:04
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 22:04
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 22:04
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 22:04
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 22:04
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 22:04
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 22:04
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 22:04
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 22:04
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 22:04
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2022 22:04
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 22:04
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 22:04
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 22:04
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 22:04
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 22:04
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 22:04
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 22:04
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2022 22:04
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 22:04
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 22:04
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 22:04
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 22:04
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 22:04
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 22:04
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 22:04
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 22:04
Surr: 2,4,6-Tribromophenol	*122*			*34-129*	*%REC*	*1*	*03-Aug-2022 22:04*
Surr: 2-Fluorobiphenyl	*77.4*			*40-125*	*%REC*	*1*	*03-Aug-2022 22:04*
Surr: 2-Fluorophenol	*72.1*			*20-120*	*%REC*	*1*	*03-Aug-2022 22:04*
Surr: 4-Terphenyl-d14	*126*			*40-135*	*%REC*	*1*	*03-Aug-2022 22:04*
Surr: Nitrobenzene-d5	*74.1*			*41-120*	*%REC*	*1*	*03-Aug-2022 22:04*
Surr: Phenol-d6	*68.9*			*20-120*	*%REC*	*1*	*03-Aug-2022 22:04*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.00328**		**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 22:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB12-20220726
Collection Date: 26-Jul-2022 17:30

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-04
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	01-Aug-2022 22:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 22:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 22:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 22:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	01-Aug-2022 22:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 22:51
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 22:51
Surr: 1,2-Dichloroethane-d4	*92.2*			*70-126*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: Dibromofluoromethane	*90.3*			*77-123*	*%REC*	*1*	*01-Aug-2022 22:51*
Surr: Toluene-d8	*97.8*			*82-127*	*%REC*	*1*	*01-Aug-2022 22:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FB12-20220726
Collection Date: 26-Jul-2022 17:30

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 22:23
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 22:23
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 22:23
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 22:23
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 22:23
2-Methylnaphthalene	**0.00013**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 22:23
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 22:23
Acenaphthene	**0.000095**	J	**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 22:23
Anthracene	**0.000096**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 22:23
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 22:23
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 22:23
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 22:23
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 22:23
Dibenzofuran	**0.00020**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Di-n-butyl phthalate	**0.000050**	J	**0.000020**	**0.00020**	**mg/L**	1	03-Aug-2022 22:23
Fluoranthene	**0.000070**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Fluorene	**0.00015**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Naphthalene	**0.00019**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 22:23
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 22:23
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 22:23
Phenanthrene	**0.00046**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 22:23
Pyrene	**0.000040**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 22:23
Surr: 2,4,6-Tribromophenol	*122*			*34-129*	*%REC*	*1*	*03-Aug-2022 22:23*
Surr: 2-Fluorobiphenyl	*96.6*			*40-125*	*%REC*	*1*	*03-Aug-2022 22:23*
Surr: 2-Fluorophenol	*86.2*			*20-120*	*%REC*	*1*	*03-Aug-2022 22:23*
Surr: 4-Terphenyl-d14	*131*			*40-135*	*%REC*	*1*	*03-Aug-2022 22:23*
Surr: Nitrobenzene-d5	*87.2*			*41-120*	*%REC*	*1*	*03-Aug-2022 22:23*
Surr: Phenol-d6	*82.3*			*20-120*	*%REC*	*1*	*03-Aug-2022 22:23*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	05-Aug-2022 22:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW87C-20220727
Collection Date: 27-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-05
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	01-Aug-2022 16:13
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 16:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 16:13
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 16:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	01-Aug-2022 16:13
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 16:13
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 16:13
Surr: 1,2-Dichloroethane-d4	*90.1*			*70-126*	*%REC*	*1*	*01-Aug-2022 16:13*
Surr: 4-Bromofluorobenzene	*97.5*			*77-113*	*%REC*	*1*	*01-Aug-2022 16:13*
Surr: Dibromofluoromethane	*93.2*			*77-123*	*%REC*	*1*	*01-Aug-2022 16:13*
Surr: Toluene-d8	*99.4*			*82-127*	*%REC*	*1*	*01-Aug-2022 16:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW87C-20220727
Collection Date: 27-Jul-2022 07:55

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 22:42
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 22:42
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 22:42
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 22:42
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 22:42
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 22:42
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 22:42
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 22:42
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 22:42
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 22:42
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2022 22:42
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 22:42
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 22:42
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 22:42
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 22:42
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 22:42
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 22:42
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 22:42
Fluoranthene	**0.000013**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 22:42
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 22:42
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 22:42
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 22:42
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 22:42
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 22:42
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 22:42
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 22:42
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 22:42
Surr: 2,4,6-Tribromophenol	*79.0*			*34-129*	*%REC*	*1*	*03-Aug-2022 22:42*
Surr: 2-Fluorobiphenyl	*58.4*			*40-125*	*%REC*	*1*	*03-Aug-2022 22:42*
Surr: 2-Fluorophenol	*56.9*			*20-120*	*%REC*	*1*	*03-Aug-2022 22:42*
Surr: 4-Terphenyl-d14	*117*			*40-135*	*%REC*	*1*	*03-Aug-2022 22:42*
Surr: Nitrobenzene-d5	*57.9*			*41-120*	*%REC*	*1*	*03-Aug-2022 22:42*
Surr: Phenol-d6	*55.7*			*20-120*	*%REC*	*1*	*03-Aug-2022 22:42*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	05-Aug-2022 22:54

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW36A-20220727
Collection Date: 27-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-06
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	02-Aug-2022 00:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 00:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 00:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 00:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 00:18
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 00:18
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 00:18
Surr: 1,2-Dichloroethane-d4	*85.5*			*70-126*	*%REC*	*1*	*02-Aug-2022 00:18*
Surr: 4-Bromofluorobenzene	*94.1*			*77-113*	*%REC*	*1*	*02-Aug-2022 00:18*
Surr: Dibromofluoromethane	*87.1*			*77-123*	*%REC*	*1*	*02-Aug-2022 00:18*
Surr: Toluene-d8	*99.5*			*82-127*	*%REC*	*1*	*02-Aug-2022 00:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW36A-20220727
Collection Date: 27-Jul-2022 09:00

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 23:01
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 23:01
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 23:01
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 23:01
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 23:01
2-Methylnaphthalene	**0.000023**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 23:01
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 23:01
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 23:01
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 23:01
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 23:01
Anthracene	**0.000016**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2022 23:01
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 23:01
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 23:01
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 23:01
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 23:01
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 23:01
Dibenzofuran	**0.000030**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 23:01
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 23:01
Fluoranthene	**0.000023**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2022 23:01
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 23:01
Naphthalene	**0.000054**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 23:01
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 23:01
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 23:01
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 23:01
Phenanthrene	**0.000052**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2022 23:01
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 23:01
Pyrene	**0.000025**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 23:01
Surr: 2,4,6-Tribromophenol	*94.9*			*34-129*	*%REC*	*1*	*03-Aug-2022 23:01*
Surr: 2-Fluorobiphenyl	*63.1*			*40-125*	*%REC*	*1*	*03-Aug-2022 23:01*
Surr: 2-Fluorophenol	*59.4*			*20-120*	*%REC*	*1*	*03-Aug-2022 23:01*
Surr: 4-Terphenyl-d14	*123*			*40-135*	*%REC*	*1*	*03-Aug-2022 23:01*
Surr: Nitrobenzene-d5	*60.4*			*41-120*	*%REC*	*1*	*03-Aug-2022 23:01*
Surr: Phenol-d6	*59.0*			*20-120*	*%REC*	*1*	*03-Aug-2022 23:01*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.000964**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 22:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW91A-20220727
Collection Date: 27-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-07
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-2022 00:40
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 00:40
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 00:40
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 00:40
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 00:40
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 00:40
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 00:40
Surr: 1,2-Dichloroethane-d4	*88.3*			*70-126*	*%REC*	*1*	*02-Aug-2022 00:40*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*02-Aug-2022 00:40*
Surr: Dibromofluoromethane	*89.1*			*77-123*	*%REC*	*1*	*02-Aug-2022 00:40*
Surr: Toluene-d8	*99.3*			*82-127*	*%REC*	*1*	*02-Aug-2022 00:40*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW91A-20220727
Collection Date: 27-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 18:56
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2022 18:56
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2022 18:56
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2022 18:56
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 18:56
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 18:56
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 18:56
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2022 18:56
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2022 18:56
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2022 18:56
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2022 18:56
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2022 18:56
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 18:56
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2022 18:56
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2022 18:56
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 18:56
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 18:56
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 18:56
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2022 18:56
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2022 18:56
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 18:56
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2022 18:56
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2022 18:56
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2022 18:56
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 18:56
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2022 18:56
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 18:56
Surr: 2,4,6-Tribromophenol	*71.5*			*34-129*	*%REC*	*1*	*05-Aug-2022 18:56*
Surr: 2-Fluorobiphenyl	*61.1*			*40-125*	*%REC*	*1*	*05-Aug-2022 18:56*
Surr: 2-Fluorophenol	*60.0*			*20-120*	*%REC*	*1*	*05-Aug-2022 18:56*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*1*	*05-Aug-2022 18:56*
Surr: Nitrobenzene-d5	*66.0*			*41-120*	*%REC*	*1*	*05-Aug-2022 18:56*
Surr: Phenol-d6	*56.3*			*20-120*	*%REC*	*1*	*05-Aug-2022 18:56*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.0217**		**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 22:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD06-20220727
Collection Date: 27-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-08
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	02-Aug-2022 01:01
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 01:01
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:01
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:01
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 01:01
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 01:01
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:01
Surr: 1,2-Dichloroethane-d4	*88.4*			*70-126*	*%REC*	*1*	*02-Aug-2022 01:01*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*1*	*02-Aug-2022 01:01*
Surr: Dibromofluoromethane	*88.9*			*77-123*	*%REC*	*1*	*02-Aug-2022 01:01*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*02-Aug-2022 01:01*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD06-20220727
Collection Date: 27-Jul-2022 09:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 23:39
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 23:39
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 23:39
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 23:39
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 23:39
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 23:39
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 23:39
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 23:39
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 23:39
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 23:39
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2022 23:39
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 23:39
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 23:39
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 23:39
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 23:39
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 23:39
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 23:39
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 23:39
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2022 23:39
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2022 23:39
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 23:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 23:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 23:39
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 23:39
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 23:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 23:39
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 23:39
Surr: 2,4,6-Tribromophenol	*95.6*			*34-129*	*%REC*	*1*	*03-Aug-2022 23:39*
Surr: 2-Fluorobiphenyl	*66.8*			*40-125*	*%REC*	*1*	*03-Aug-2022 23:39*
Surr: 2-Fluorophenol	*60.6*			*20-120*	*%REC*	*1*	*03-Aug-2022 23:39*
Surr: 4-Terphenyl-d14	*115*			*40-135*	*%REC*	*1*	*03-Aug-2022 23:39*
Surr: Nitrobenzene-d5	*63.8*			*41-120*	*%REC*	*1*	*03-Aug-2022 23:39*
Surr: Phenol-d6	*60.6*			*20-120*	*%REC*	*1*	*03-Aug-2022 23:39*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.0232**		**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 23:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW67B-20220727
Collection Date: 27-Jul-2022 10:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-09
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	01-Aug-2022 16:35
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 16:35
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 16:35
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 16:35
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	01-Aug-2022 16:35
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	01-Aug-2022 16:35
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	01-Aug-2022 16:35
Surr: 1,2-Dichloroethane-d4	*89.4*			*70-126*	*%REC*	*1*	*01-Aug-2022 16:35*
Surr: 4-Bromofluorobenzene	*97.0*			*77-113*	*%REC*	*1*	*01-Aug-2022 16:35*
Surr: Dibromofluoromethane	*88.6*			*77-123*	*%REC*	*1*	*01-Aug-2022 16:35*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*01-Aug-2022 16:35*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW67B-20220727
Collection Date: 27-Jul-2022 10:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: EM
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 13:35
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2022 13:35
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2022 13:35
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2022 13:35
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2022 13:35
2-Methylnaphthalene	**0.000040**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2022 13:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 13:35
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2022 13:35
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2022 13:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2022 13:35
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2022 13:35
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2022 13:35
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 13:35
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2022 13:35
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2022 13:35
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 13:35
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2022 13:35
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2022 13:35
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2022 13:35
Fluorene	**0.000044**	J	**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2022 13:35
Naphthalene	**0.00013**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2022 13:35
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2022 13:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2022 13:35
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2022 13:35
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2022 13:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2022 13:35
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2022 13:35
Surr: 2,4,6-Tribromophenol	*126*			*34-129*	*%REC*	*1*	*03-Aug-2022 13:35*
Surr: 2-Fluorobiphenyl	*94.1*			*40-125*	*%REC*	*1*	*03-Aug-2022 13:35*
Surr: 2-Fluorophenol	*77.7*			*20-120*	*%REC*	*1*	*03-Aug-2022 13:35*
Surr: 4-Terphenyl-d14	*158*	*S*		*40-135*	*%REC*	*1*	*03-Aug-2022 13:35*
Surr: Nitrobenzene-d5	*85.5*			*41-120*	*%REC*	*1*	*03-Aug-2022 13:35*
Surr: Phenol-d6	*79.9*			*20-120*	*%REC*	*1*	*03-Aug-2022 13:35*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.000814**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 22:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW90B-20220727
Collection Date: 27-Jul-2022 12:25

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-10
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	02-Aug-2022 01:23
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 01:23
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:23
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:23
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 01:23
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 01:23
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:23
Surr: 1,2-Dichloroethane-d4	*90.6*			*70-126*	*%REC*	*1*	*02-Aug-2022 01:23*
Surr: 4-Bromofluorobenzene	*97.3*			*77-113*	*%REC*	*1*	*02-Aug-2022 01:23*
Surr: Dibromofluoromethane	*90.0*			*77-123*	*%REC*	*1*	*02-Aug-2022 01:23*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*02-Aug-2022 01:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW90B-20220727
Collection Date: 27-Jul-2022 12:25

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 19:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2022 19:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2022 19:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2022 19:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 19:17
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 19:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 19:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2022 19:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2022 19:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2022 19:17
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2022 19:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2022 19:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 19:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2022 19:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2022 19:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 19:17
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 19:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 19:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2022 19:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2022 19:17
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 19:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2022 19:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2022 19:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2022 19:17
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 19:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2022 19:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 19:17
Surr: 2,4,6-Tribromophenol	*84.4*			*34-129*	*%REC*	*1*	*05-Aug-2022 19:17*
Surr: 2-Fluorobiphenyl	*73.6*			*40-125*	*%REC*	*1*	*05-Aug-2022 19:17*
Surr: 2-Fluorophenol	*70.6*			*20-120*	*%REC*	*1*	*05-Aug-2022 19:17*
Surr: 4-Terphenyl-d14	*119*			*40-135*	*%REC*	*1*	*05-Aug-2022 19:17*
Surr: Nitrobenzene-d5	*74.8*			*41-120*	*%REC*	*1*	*05-Aug-2022 19:17*
Surr: Phenol-d6	*63.6*			*20-120*	*%REC*	*1*	*05-Aug-2022 19:17*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.0129**		**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 23:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW36D-20220727
Collection Date: 27-Jul-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-11
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	02-Aug-2022 01:44
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 01:44
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:44
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:44
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 01:44
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 01:44
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 01:44
Surr: 1,2-Dichloroethane-d4	*90.4*			*70-126*	*%REC*	*1*	*02-Aug-2022 01:44*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*02-Aug-2022 01:44*
Surr: Dibromofluoromethane	*88.2*			*77-123*	*%REC*	*1*	*02-Aug-2022 01:44*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*02-Aug-2022 01:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW36D-20220727
Collection Date: 27-Jul-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 19:37
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2022 19:37
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2022 19:37
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2022 19:37
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 19:37
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 19:37
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 19:37
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2022 19:37
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2022 19:37
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2022 19:37
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2022 19:37
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2022 19:37
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 19:37
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2022 19:37
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2022 19:37
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 19:37
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 19:37
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 19:37
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2022 19:37
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2022 19:37
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 19:37
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2022 19:37
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2022 19:37
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2022 19:37
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 19:37
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2022 19:37
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 19:37
Surr: 2,4,6-Tribromophenol	*89.5*			*34-129*	*%REC*	*1*	*05-Aug-2022 19:37*
Surr: 2-Fluorobiphenyl	*59.8*			*40-125*	*%REC*	*1*	*05-Aug-2022 19:37*
Surr: 2-Fluorophenol	*55.7*			*20-120*	*%REC*	*1*	*05-Aug-2022 19:37*
Surr: 4-Terphenyl-d14	*115*			*40-135*	*%REC*	*1*	*05-Aug-2022 19:37*
Surr: Nitrobenzene-d5	*60.7*			*41-120*	*%REC*	*1*	*05-Aug-2022 19:37*
Surr: Phenol-d6	*52.6*			*20-120*	*%REC*	*1*	*05-Aug-2022 19:37*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.000425**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 23:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW66D-20220727
Collection Date: 27-Jul-2022 14:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-12
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	02-Aug-2022 02:06
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 02:06
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:06
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:06
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 02:06
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 02:06
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:06
Surr: 1,2-Dichloroethane-d4	*83.4*			*70-126*	*%REC*	*1*	*02-Aug-2022 02:06*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*02-Aug-2022 02:06*
Surr: Dibromofluoromethane	*86.7*			*77-123*	*%REC*	*1*	*02-Aug-2022 02:06*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*02-Aug-2022 02:06*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW66D-20220727
Collection Date: 27-Jul-2022 14:50

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	05-Aug-2022 19:57
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	05-Aug-2022 19:57
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	05-Aug-2022 19:57
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	05-Aug-2022 19:57
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	05-Aug-2022 19:57
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	05-Aug-2022 19:57
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.0020	mg/L	10	05-Aug-2022 19:57
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	05-Aug-2022 19:57
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	05-Aug-2022 19:57
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	05-Aug-2022 19:57
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	05-Aug-2022 19:57
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	05-Aug-2022 19:57
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	05-Aug-2022 19:57
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	05-Aug-2022 19:57
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	05-Aug-2022 19:57
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	05-Aug-2022 19:57
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	05-Aug-2022 19:57
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	05-Aug-2022 19:57
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	05-Aug-2022 19:57
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	05-Aug-2022 19:57
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	05-Aug-2022 19:57
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	05-Aug-2022 19:57
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	05-Aug-2022 19:57
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	05-Aug-2022 19:57
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	05-Aug-2022 19:57
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	05-Aug-2022 19:57
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	05-Aug-2022 19:57
Surr: 2,4,6-Tribromophenol	*87.1*			*34-129*	*%REC*	*10*	*05-Aug-2022 19:57*
Surr: 2-Fluorobiphenyl	*84.4*			*40-125*	*%REC*	*10*	*05-Aug-2022 19:57*
Surr: 2-Fluorophenol	*80.4*			*20-120*	*%REC*	*10*	*05-Aug-2022 19:57*
Surr: 4-Terphenyl-d14	*134*			*40-135*	*%REC*	*10*	*05-Aug-2022 19:57*
Surr: Nitrobenzene-d5	*90.7*			*41-120*	*%REC*	*10*	*05-Aug-2022 19:57*
Surr: Phenol-d6	*64.1*			*20-120*	*%REC*	*10*	*05-Aug-2022 19:57*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	05-Aug-2022 23:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59D-20220727
Collection Date: 27-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-13
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	02-Aug-2022 02:28
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 02:28
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:28
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:28
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 02:28
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 02:28
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:28
Surr: 1,2-Dichloroethane-d4	*94.3*			*70-126*	*%REC*	*1*	*02-Aug-2022 02:28*
Surr: 4-Bromofluorobenzene	*96.7*			*77-113*	*%REC*	*1*	*02-Aug-2022 02:28*
Surr: Dibromofluoromethane	*88.0*			*77-123*	*%REC*	*1*	*02-Aug-2022 02:28*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*02-Aug-2022 02:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW59D-20220727
Collection Date: 27-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 20:18
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2022 20:18
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2022 20:18
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2022 20:18
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 20:18
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 20:18
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 20:18
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2022 20:18
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2022 20:18
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2022 20:18
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2022 20:18
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2022 20:18
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:18
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2022 20:18
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2022 20:18
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 20:18
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:18
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 20:18
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2022 20:18
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2022 20:18
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:18
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2022 20:18
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2022 20:18
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2022 20:18
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 20:18
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2022 20:18
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 20:18
Surr: 2,4,6-Tribromophenol	*78.7*			*34-129*	*%REC*	*1*	*05-Aug-2022 20:18*
Surr: 2-Fluorobiphenyl	*78.1*			*40-125*	*%REC*	*1*	*05-Aug-2022 20:18*
Surr: 2-Fluorophenol	*70.1*			*20-120*	*%REC*	*1*	*05-Aug-2022 20:18*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*05-Aug-2022 20:18*
Surr: Nitrobenzene-d5	*80.6*			*41-120*	*%REC*	*1*	*05-Aug-2022 20:18*
Surr: Phenol-d6	*68.0*			*20-120*	*%REC*	*1*	*05-Aug-2022 20:18*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.000721**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 23:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD07-20220727
Collection Date: 27-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-14
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	02-Aug-2022 02:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 02:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 02:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 02:50
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 02:50
Surr: 1,2-Dichloroethane-d4	*90.0*			*70-126*	*%REC*	*1*	*02-Aug-2022 02:50*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*02-Aug-2022 02:50*
Surr: Dibromofluoromethane	*86.9*			*77-123*	*%REC*	*1*	*02-Aug-2022 02:50*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*02-Aug-2022 02:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-FD07-20220727
Collection Date: 27-Jul-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 20:38
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2022 20:38
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2022 20:38
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2022 20:38
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 20:38
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 20:38
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 20:38
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2022 20:38
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2022 20:38
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2022 20:38
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2022 20:38
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2022 20:38
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:38
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2022 20:38
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2022 20:38
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 20:38
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:38
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 20:38
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2022 20:38
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2022 20:38
Naphthalene	**0.000084**	J	**0.000020**	**0.00010**	**mg/L**	1	05-Aug-2022 20:38
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2022 20:38
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2022 20:38
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2022 20:38
Phenanthrene	**0.000093**	J	**0.000021**	**0.00010**	**mg/L**	1	05-Aug-2022 20:38
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2022 20:38
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 20:38
Surr: 2,4,6-Tribromophenol	*66.2*			*34-129*	*%REC*	*1*	*05-Aug-2022 20:38*
Surr: 2-Fluorobiphenyl	*67.1*			*40-125*	*%REC*	*1*	*05-Aug-2022 20:38*
Surr: 2-Fluorophenol	*65.0*			*20-120*	*%REC*	*1*	*05-Aug-2022 20:38*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*05-Aug-2022 20:38*
Surr: Nitrobenzene-d5	*71.1*			*41-120*	*%REC*	*1*	*05-Aug-2022 20:38*
Surr: Phenol-d6	*59.8*			*20-120*	*%REC*	*1*	*05-Aug-2022 20:38*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.000622**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 23:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW65D-20220727
Collection Date: 27-Jul-2022 17:25

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-15
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	02-Aug-2022 03:11
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 03:11
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 03:11
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 03:11
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	02-Aug-2022 03:11
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	02-Aug-2022 03:11
Xylenes, Total	< 0.00030		0.00030	0.0010	mg/L	1	02-Aug-2022 03:11
Surr: 1,2-Dichloroethane-d4	*85.3*			*70-126*	*%REC*	*1*	*02-Aug-2022 03:11*
Surr: 4-Bromofluorobenzene	*92.5*			*77-113*	*%REC*	*1*	*02-Aug-2022 03:11*
Surr: Dibromofluoromethane	*85.5*			*77-123*	*%REC*	*1*	*02-Aug-2022 03:11*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*02-Aug-2022 03:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW65D-20220727
Collection Date: 27-Jul-2022 17:25

ANALYTICAL REPORT
WorkOrder:HS22071469
Lab ID:HS22071469-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2022		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 20:58
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	05-Aug-2022 20:58
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	05-Aug-2022 20:58
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	05-Aug-2022 20:58
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	05-Aug-2022 20:58
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 20:58
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 20:58
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	05-Aug-2022 20:58
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	05-Aug-2022 20:58
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	05-Aug-2022 20:58
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	05-Aug-2022 20:58
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	05-Aug-2022 20:58
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:58
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	05-Aug-2022 20:58
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	05-Aug-2022 20:58
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 20:58
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:58
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	05-Aug-2022 20:58
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	05-Aug-2022 20:58
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	05-Aug-2022 20:58
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	05-Aug-2022 20:58
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	05-Aug-2022 20:58
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	05-Aug-2022 20:58
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	05-Aug-2022 20:58
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	05-Aug-2022 20:58
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	05-Aug-2022 20:58
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	05-Aug-2022 20:58
Surr: 2,4,6-Tribromophenol	*87.2*			*34-129*	*%REC*	*1*	*05-Aug-2022 20:58*
Surr: 2-Fluorobiphenyl	*62.5*			*40-125*	*%REC*	*1*	*05-Aug-2022 20:58*
Surr: 2-Fluorophenol	*57.8*			*20-120*	*%REC*	*1*	*05-Aug-2022 20:58*
Surr: 4-Terphenyl-d14	*118*			*40-135*	*%REC*	*1*	*05-Aug-2022 20:58*
Surr: Nitrobenzene-d5	*67.5*			*41-120*	*%REC*	*1*	*05-Aug-2022 20:58*
Surr: Phenol-d6	*57.3*			*20-120*	*%REC*	*1*	*05-Aug-2022 20:58*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 05-Aug-2022		Analyst: JHD
Arsenic	**0.000433**	J	**0.000400**	**0.00200**	**mg/L**	1	05-Aug-2022 22:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

Batch ID: 181858 **Start Date:** 01 Aug 2022 08:30 **End Date:** 01 Aug 2022 14:00
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071469-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22071469-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 182076 **Start Date:** 05 Aug 2022 09:00 **End Date:** 05 Aug 2022 13:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22071469-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS22071469-15		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 181858 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22071469-04	WG-1620-FB12-20220726	26 Jul 2022 17:30		01 Aug 2022 10:09	03 Aug 2022 22:23	1
Batch ID: 181858 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS22071469-02	WG-1620-MW84B-20220726	26 Jul 2022 16:15		01 Aug 2022 10:09	03 Aug 2022 21:46	1
HS22071469-03	WG-1620-MW84A-20220726	26 Jul 2022 17:05		01 Aug 2022 10:09	03 Aug 2022 22:04	1
HS22071469-05	WG-1620-MW87C-20220727	27 Jul 2022 07:55		01 Aug 2022 10:09	03 Aug 2022 22:42	1
HS22071469-06	WG-1620-MW36A-20220727	27 Jul 2022 09:00		01 Aug 2022 10:09	03 Aug 2022 23:01	1
HS22071469-07	WG-1620-MW91A-20220727	27 Jul 2022 09:50		01 Aug 2022 10:09	05 Aug 2022 18:56	1
HS22071469-08	WG-1620-FD06-20220727	27 Jul 2022 09:50		01 Aug 2022 10:09	03 Aug 2022 23:39	1
HS22071469-09	WG-1620-MW67B-20220727	27 Jul 2022 10:50		01 Aug 2022 10:09	03 Aug 2022 13:35	1
HS22071469-10	WG-1620-MW90B-20220727	27 Jul 2022 12:25		01 Aug 2022 10:09	05 Aug 2022 19:17	1
HS22071469-11	WG-1620-MW36D-20220727	27 Jul 2022 13:40		01 Aug 2022 10:09	05 Aug 2022 19:37	1
HS22071469-12	WG-1620-MW66D-20220727	27 Jul 2022 14:50		01 Aug 2022 10:09	05 Aug 2022 19:57	10
HS22071469-13	WG-1620-MW59D-20220727	27 Jul 2022 16:10		01 Aug 2022 10:09	05 Aug 2022 20:18	1
HS22071469-14	WG-1620-FD07-20220727	27 Jul 2022 16:10		01 Aug 2022 10:09	05 Aug 2022 20:38	1
HS22071469-15	WG-1620-MW65D-20220727	27 Jul 2022 17:25		01 Aug 2022 10:09	05 Aug 2022 20:58	1
Batch ID: 182076 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS22071469-04	WG-1620-FB12-20220726	26 Jul 2022 17:30		05 Aug 2022 09:00	05 Aug 2022 22:52	1
Batch ID: 182076 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS22071469-02	WG-1620-MW84B-20220726	26 Jul 2022 16:15		05 Aug 2022 09:00	05 Aug 2022 22:48	1
HS22071469-03	WG-1620-MW84A-20220726	26 Jul 2022 17:05		05 Aug 2022 09:00	05 Aug 2022 22:50	1
HS22071469-05	WG-1620-MW87C-20220727	27 Jul 2022 07:55		05 Aug 2022 09:00	05 Aug 2022 22:54	1
HS22071469-06	WG-1620-MW36A-20220727	27 Jul 2022 09:00		05 Aug 2022 09:00	05 Aug 2022 22:56	1
HS22071469-07	WG-1620-MW91A-20220727	27 Jul 2022 09:50		05 Aug 2022 09:00	05 Aug 2022 22:58	1
HS22071469-08	WG-1620-FD06-20220727	27 Jul 2022 09:50		05 Aug 2022 09:00	05 Aug 2022 23:04	1
HS22071469-09	WG-1620-MW67B-20220727	27 Jul 2022 10:50		05 Aug 2022 09:00	05 Aug 2022 22:19	1
HS22071469-10	WG-1620-MW90B-20220727	27 Jul 2022 12:25		05 Aug 2022 09:00	05 Aug 2022 23:06	1
HS22071469-11	WG-1620-MW36D-20220727	27 Jul 2022 13:40		05 Aug 2022 09:00	05 Aug 2022 23:08	1
HS22071469-12	WG-1620-MW66D-20220727	27 Jul 2022 14:50		05 Aug 2022 09:00	05 Aug 2022 23:10	1
HS22071469-13	WG-1620-MW59D-20220727	27 Jul 2022 16:10		05 Aug 2022 09:00	05 Aug 2022 23:12	1
HS22071469-14	WG-1620-FD07-20220727	27 Jul 2022 16:10		05 Aug 2022 09:00	05 Aug 2022 23:14	1
HS22071469-15	WG-1620-MW65D-20220727	27 Jul 2022 17:25		05 Aug 2022 09:00	05 Aug 2022 22:33	1
Batch ID: R414195 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071469-02	WG-1620-MW84B-20220726	26 Jul 2022 16:15			01 Aug 2022 15:30	1
HS22071469-03	WG-1620-MW84A-20220726	26 Jul 2022 17:05			01 Aug 2022 15:52	1
HS22071469-05	WG-1620-MW87C-20220727	27 Jul 2022 07:55			01 Aug 2022 16:13	1
HS22071469-09	WG-1620-MW67B-20220727	27 Jul 2022 10:50			01 Aug 2022 16:35	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R414197 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS22071469-06	WG-1620-MW36A-20220727	27 Jul 2022 09:00			02 Aug 2022 00:18	1
HS22071469-07	WG-1620-MW91A-20220727	27 Jul 2022 09:50			02 Aug 2022 00:40	1
HS22071469-08	WG-1620-FD06-20220727	27 Jul 2022 09:50			02 Aug 2022 01:01	1
HS22071469-10	WG-1620-MW90B-20220727	27 Jul 2022 12:25			02 Aug 2022 01:23	1
HS22071469-11	WG-1620-MW36D-20220727	27 Jul 2022 13:40			02 Aug 2022 01:44	1
HS22071469-12	WG-1620-MW66D-20220727	27 Jul 2022 14:50			02 Aug 2022 02:06	1
HS22071469-13	WG-1620-MW59D-20220727	27 Jul 2022 16:10			02 Aug 2022 02:28	1
HS22071469-14	WG-1620-FD07-20220727	27 Jul 2022 16:10			02 Aug 2022 02:50	1
HS22071469-15	WG-1620-MW65D-20220727	27 Jul 2022 17:25			02 Aug 2022 03:11	1
Batch ID: R414197 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22071469-01	WG-1620-TB09-20220727	27 Jul 2022 00:00			01 Aug 2022 22:30	1
HS22071469-04	WG-1620-FB12-20220726	26 Jul 2022 17:30			01 Aug 2022 22:51	1

WorkOrder: HS22071469
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	0.00125	0.000993	0.000400	0.00200

WorkOrder: HS22071469
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	0.000076	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000040	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000069	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000077	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000073	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000036	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000032	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.00010	0.000043	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000042	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000042	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000040	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000039	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000029	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000070	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.00017	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000035	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000042	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000043	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000087	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.0000093	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000041	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000076	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000046	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: HS22071469
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	0.010	0.0097	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.010	0.0082	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.010	0.0090	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.010	0.0088	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.010	0.0093	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.010	0.010	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.010	0.0022	0.000020	0.00020
A	4-Nitrophenol	100-02-7	0.010	0.0064	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000038	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000036	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000035	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000029	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	0.010	0.0098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.010	0.0062	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000049	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.0017	0.0021	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.010	0.0087	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000033	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000033	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000037	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.010	0.010	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.010	0.0088	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.010	0.00060	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000036	0.000021	0.00010
A	Phenol	108-95-2	0.010	0.0096	0.000035	0.00020
A	Pyrene	129-00-0	0.000050	0.000038	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: HS22071469
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	0.00051	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00049	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.0010	0.00067	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00046	0.00030	0.0010
A	Methylene chloride	75-09-2	0.0020	0.00070	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0010	0.0012	0.00030	0.0010
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 Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 182076 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-182076** Units: **mg/L** Analysis Date: **05-Aug-2022 22:15**
Client ID: Run ID: **ICPMS07_414510** SeqNo: **6789812** PrepDate: **05-Aug-2022** 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-182076** Units: **mg/L** Analysis Date: **05-Aug-2022 22:17**
Client ID: Run ID: **ICPMS07_414510** SeqNo: **6789813** PrepDate: **05-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0515	0.00200	0.05	0	103	80 - 120				

MS Sample ID: **HS22071469-15MS** Units: **mg/L** Analysis Date: **05-Aug-2022 22:38**
Client ID: **WG-1620-MW65D-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789823** PrepDate: **05-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05086	0.00200	0.05	0.000433	101	80 - 120				

MS Sample ID: **HS22071469-09MS** Units: **mg/L** Analysis Date: **05-Aug-2022 22:23**
Client ID: **WG-1620-MW67B-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789816** PrepDate: **05-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05267	0.00200	0.05	0.000814	104	80 - 120				

MSD Sample ID: **HS22071469-15MSD** Units: **mg/L** Analysis Date: **05-Aug-2022 22:40**
Client ID: **WG-1620-MW65D-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789824** PrepDate: **05-Aug-2022** 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	0.000433	104	80 - 120	0.05086	2.9	20	

MSD Sample ID: **HS22071469-09MSD** Units: **mg/L** Analysis Date: **05-Aug-2022 22:25**
Client ID: **WG-1620-MW67B-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789817** PrepDate: **05-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05168	0.00200	0.05	0.000814	102	80 - 120	0.05267	1.91	20	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 182076 (0) **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

PDS Sample ID: **HS22071469-15PDS** Units: **mg/L** Analysis Date: **05-Aug-2022 22:42**
Client ID: **WG-1620-MW65D-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789825** PrepDate: **05-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1022	0.00200	0.1	0.000433	102	75 - 125				

PDS Sample ID: **HS22071469-09PDS** Units: **mg/L** Analysis Date: **05-Aug-2022 22:27**
Client ID: **WG-1620-MW67B-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789818** PrepDate: **05-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1042	0.00200	0.1	0.000814	103	75 - 125				

SD Sample ID: **HS22071469-15SD** Units: **mg/L** Analysis Date: **05-Aug-2022 22:35**
Client ID: **WG-1620-MW65D-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789822** PrepDate: **05-Aug-2022** 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					0.000433	0	10	

SD Sample ID: **HS22071469-09SD** Units: **mg/L** Analysis Date: **05-Aug-2022 22:21**
Client ID: **WG-1620-MW67B-20220727** Run ID: **ICPMS07_414510** SeqNo: **6789815** PrepDate: **05-Aug-2022** 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					0.000814	0	10	

The following samples were analyzed in this batch:

HS22071469-02	HS22071469-03	HS22071469-04	HS22071469-05
HS22071469-06	HS22071469-07	HS22071469-08	HS22071469-09
HS22071469-10	HS22071469-11	HS22071469-12	HS22071469-13
HS22071469-14	HS22071469-15		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 181858 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-181858** Units: **ug/L** Analysis Date: **03-Aug-2022 12:38**
Client ID: Run ID: **SV-8_414342** SeqNo: **6784597** PrepDate: **01-Aug-2022** 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	0.20								
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	*4.44*	*0.20*	*5*	*0*	*88.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.84*	*0.20*	*5*	*0*	*76.8*	*40 - 125*				
Surr: 2-Fluorophenol	*3.537*	*0.20*	*5*	*0*	*70.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.459*	*0.20*	*5*	*0*	*109*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.811*	*0.20*	*5*	*0*	*76.2*	*41 - 120*				
Surr: Phenol-d6	*3.49*	*0.20*	*5*	*0*	*69.8*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 181858 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-181858** Units: **ug/L** Analysis Date: **03-Aug-2022 12:57**
Client ID: Run ID: **SV-8_414342** SeqNo: **6784598** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.725	0.20	5	0	94.5	39 - 127				
2,4-Dimethylphenol	4.018	0.20	5	0	80.4	35 - 120				
2,4-Dinitrotoluene	5.425	0.20	5	0	108	50 - 122				
2,6-Dinitrotoluene	5.425	0.20	5	0	108	50 - 120				
2-Chloronaphthalene	4.701	0.20	5	0	94.0	50 - 120				
2-Methylnaphthalene	4.586	0.10	5	0	91.7	50 - 120				
4,6-Dinitro-2-methylphenol	5.058	0.20	5	0	101	25 - 121				
4-Nitrophenol	4.551	1.0	5	0	91.0	30 - 130				
Acenaphthene	4.675	0.10	5	0	93.5	45 - 120				
Acenaphthylene	4.603	0.10	5	0	92.1	47 - 120				
Anthracene	4.771	0.10	5	0	95.4	45 - 120				
Benz(a)anthracene	5.228	0.10	5	0	105	40 - 120				
Benzo(a)pyrene	4.852	0.10	5	0	97.0	45 - 120				
Bis(2-chloroethoxy)methane	4.798	0.20	5	0	96.0	45 - 120				
Bis(2-ethylhexyl)phthalate	8.932	0.20	5	0	179	40 - 139				S
Chrysene	4.848	0.10	5	0	97.0	43 - 120				
Dibenzofuran	4.688	0.10	5	0	93.8	50 - 120				
Di-n-butyl phthalate	7.729	0.20	5	0	155	45 - 123				S
Fluoranthene	5.169	0.10	5	0	103	45 - 125				
Fluorene	4.904	0.10	5	0	98.1	49 - 120				
Naphthalene	4.502	0.10	5	0	90.0	45 - 120				
Nitrobenzene	4.217	0.20	5	0	84.3	44 - 120				
N-Nitrosodiphenylamine	5.087	0.20	5	0	102	40 - 125				
Pentachlorophenol	5.149	0.20	5	0	103	19 - 121				
Phenanthrene	4.71	0.10	5	0	94.2	45 - 121				
Phenol	3.982	0.20	5	0	79.6	20 - 124				
Pyrene	5.311	0.10	5	0	106	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.906*	*0.20*	*5*	*0*	*118*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.574*	*0.20*	*5*	*0*	*91.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.687*	*0.20*	*5*	*0*	*73.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.756*	*0.20*	*5*	*0*	*115*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.229*	*0.20*	*5*	*0*	*84.6*	*41 - 120*				
Surr: Phenol-d6	*3.755*	*0.20*	*5*	*0*	*75.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 181858 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22071469-15MS** Units: **ug/L** Analysis Date: **05-Aug-2022 21:19**
Client ID: **WG-1620-MW65D-20220727** Run ID: **SV-9_414632** SeqNo: **6791734** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.833	0.20	5	0	76.7	39 - 127				
2,4-Dimethylphenol	3.104	0.20	5	0	62.1	35 - 120				
2,4-Dinitrotoluene	4.814	0.20	5	0	96.3	50 - 122				
2,6-Dinitrotoluene	4.842	0.20	5	0	96.8	50 - 120				
2-Chloronaphthalene	3.346	0.20	5	0	66.9	50 - 120				
2-Methylnaphthalene	3.225	0.10	5	0	64.5	50 - 120				
4,6-Dinitro-2-methylphenol	6.271	0.20	5	0	125	25 - 121				S
4-Nitrophenol	5.23	1.0	5	0	105	30 - 130				
Acenaphthene	3.375	0.10	5	0	67.5	45 - 120				
Acenaphthylene	3.42	0.10	5	0	68.4	47 - 120				
Anthracene	4.93	0.10	5	0	98.6	45 - 120				
Benz(a)anthracene	5.886	0.10	5	0	118	40 - 120				
Benzo(a)pyrene	5.733	0.10	5	0	115	45 - 120				
Bis(2-chloroethoxy)methane	3.031	0.20	5	0	60.6	45 - 120				
Bis(2-ethylhexyl)phthalate	5.925	0.20	5	0	118	40 - 139				
Chrysene	5.6	0.10	5	0	112	43 - 120				
Dibenzofuran	3.418	0.10	5	0	68.4	50 - 120				
Di-n-butyl phthalate	6.112	0.20	5	0	122	45 - 123				
Fluoranthene	6.009	0.10	5	0	120	45 - 125				
Fluorene	3.562	0.10	5	0	71.2	49 - 120				
Naphthalene	2.933	0.10	5	0	58.7	45 - 120				
Nitrobenzene	3.136	0.20	5	0	62.7	44 - 120				
N-Nitrosodiphenylamine	7.741	0.20	5	0	155	40 - 125				S
Pentachlorophenol	5.692	0.20	5	0	114	19 - 121				
Phenanthrene	4.777	0.10	5	0	95.5	45 - 121				
Phenol	3.016	0.20	5	0	60.3	20 - 124				
Pyrene	5.74	0.10	5	0	115	40 - 130				
Surr: 2,4,6-Tribromophenol	*5.001*	*0.20*	*5*	*0*	*100*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.214*	*0.20*	*5*	*0*	*64.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.865*	*0.20*	*5*	*0*	*57.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.82*	*0.20*	*5*	*0*	*116*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.162*	*0.20*	*5*	*0*	*63.2*	*41 - 120*				
Surr: Phenol-d6	*3.144*	*0.20*	*5*	*0*	*62.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 181858 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS22071469-09MS** Units: **ug/L** Analysis Date: **03-Aug-2022 13:54**
Client ID: **WG-1620-MW67B-20220727** Run ID: **SV-8_414342** SeqNo: **6784762** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.776	0.20	5	0	95.5	39 - 127				
2,4-Dimethylphenol	4.651	0.20	5	0	93.0	35 - 120				
2,4-Dinitrotoluene	5.733	0.20	5	0	115	50 - 122				
2,6-Dinitrotoluene	5.733	0.20	5	0	115	50 - 120				
2-Chloronaphthalene	4.646	0.20	5	0	92.9	50 - 120				
2-Methylnaphthalene	4.621	0.10	5	0.03958	91.6	50 - 120				
4,6-Dinitro-2-methylphenol	6.057	0.20	5	0	121	25 - 121				S
4-Nitrophenol	5.45	1.0	5	0	109	30 - 130				
Acenaphthene	4.794	0.10	5	0	95.9	45 - 120				
Acenaphthylene	4.693	0.10	5	0	93.9	47 - 120				
Anthracene	5.239	0.10	5	0	105	45 - 120				
Benz(a)anthracene	5.39	0.10	5	0	108	40 - 120				
Benzo(a)pyrene	5.001	0.10	5	0	100	45 - 120				
Bis(2-chloroethoxy)methane	4.812	0.20	5	0	96.2	45 - 120				
Bis(2-ethylhexyl)phthalate	8.182	0.20	5	0	164	40 - 139				S
Chrysene	5.158	0.10	5	0	103	43 - 120				
Dibenzofuran	4.769	0.10	5	0	95.4	50 - 120				
Di-n-butyl phthalate	7.802	0.20	5	0	156	45 - 123				S
Fluoranthene	5.563	0.10	5	0	111	45 - 125				
Fluorene	4.931	0.10	5	0.04356	97.7	49 - 120				
Naphthalene	4.601	0.10	5	0.1302	89.4	45 - 120				
Nitrobenzene	4.322	0.20	5	0	86.4	44 - 120				
N-Nitrosodiphenylamine	5.329	0.20	5	0	107	40 - 125				
Pentachlorophenol	6.057	0.20	5	0	121	19 - 121				S
Phenanthrene	5.092	0.10	5	0	102	45 - 121				
Phenol	4.269	0.20	5	0	85.4	20 - 124				
Pyrene	5.358	0.10	5	0	107	40 - 130				
Surr: 2,4,6-Tribromophenol	*6.313*	*0.20*	*5*	*0*	*126*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.746*	*0.20*	*5*	*0*	*94.9*	*40 - 125*				
Surr: 2-Fluorophenol	*4.147*	*0.20*	*5*	*0*	*82.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.988*	*0.20*	*5*	*0*	*120*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.505*	*0.20*	*5*	*0*	*90.1*	*41 - 120*				
Surr: Phenol-d6	*4.4*	*0.20*	*5*	*0*	*88.0*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 181858 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22071469-15MSD** Units: **ug/L** Analysis Date: **08-Aug-2022 16:47**
Client ID: **WG-1620-MW65D-20220727** Run ID: **SV-7_414610** SeqNo: **6792091** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.457	0.20	5	0	69.1	39 - 127	3.833	10.3	20	
2,4-Dimethylphenol	3.352	0.20	5	0	67.0	35 - 120	3.104	7.66	20	
2,4-Dinitrotoluene	3.531	0.20	5	0	70.6	50 - 122	4.814	30.8	20	R
2,6-Dinitrotoluene	4.343	0.20	5	0	86.9	50 - 120	4.842	10.9	20	
2-Chloronaphthalene	3.168	0.20	5	0	63.4	50 - 120	3.346	5.46	20	
2-Methylnaphthalene	3.299	0.10	5	0	66.0	50 - 120	3.225	2.26	20	
4,6-Dinitro-2-methylphenol	3.924	0.20	5	0	78.5	25 - 121	6.271	46	30	R
4-Nitrophenol	4.402	1.0	5	0	88.0	30 - 130	5.23	17.2	20	
Acenaphthene	2.988	0.10	5	0	59.8	45 - 120	3.375	12.1	20	
Acenaphthylene	3.134	0.10	5	0	62.7	47 - 120	3.42	8.73	20	
Anthracene	3.9	0.10	5	0	78.0	45 - 120	4.93	23.3	20	R
Benz(a)anthracene	5.134	0.10	5	0	103	40 - 120	5.886	13.7	20	
Benzo(a)pyrene	4.369	0.10	5	0	87.4	45 - 120	5.733	27	20	R
Bis(2-chloroethoxy)methane	3.482	0.20	5	0	69.6	45 - 120	3.031	13.9	20	
Bis(2-ethylhexyl)phthalate	5.667	0.20	5	0	113	40 - 139	5.925	4.45	20	
Chrysene	5.455	0.10	5	0	109	43 - 120	5.6	2.63	20	
Dibenzofuran	3.059	0.10	5	0	61.2	50 - 120	3.418	11.1	20	
Di-n-butyl phthalate	4.751	0.20	5	0	95.0	45 - 123	6.112	25.1	20	R
Fluoranthene	4.706	0.10	5	0	94.1	45 - 125	6.009	24.3	20	R
Fluorene	3.253	0.10	5	0	65.1	49 - 120	3.562	9.06	20	
Naphthalene	3.515	0.10	5	0	70.3	45 - 120	2.933	18	20	
Nitrobenzene	3.191	0.20	5	0	63.8	44 - 120	3.136	1.72	20	
N-Nitrosodiphenylamine	3.71	0.20	5	0	74.2	40 - 125	7.741	70.4	20	R
Pentachlorophenol	4.354	0.20	5	0	87.1	19 - 121	5.692	26.6	20	R
Phenanthrene	3.813	0.10	5	0	76.3	45 - 121	4.777	22.5	20	R
Phenol	3.559	0.20	5	0	71.2	20 - 124	3.016	16.5	20	
Pyrene	5.299	0.10	5	0	106	40 - 130	5.74	8	20	
Surr: 2,4,6-Tribromophenol	*3.64*	*0.20*	*5*	*0*	*72.8*	*34 - 129*	*5.001*	*31.5*	*20*	R
Surr: 2-Fluorobiphenyl	*2.886*	*0.20*	*5*	*0*	*57.7*	*40 - 125*	*3.214*	*10.7*	*20*	
Surr: 2-Fluorophenol	*2.477*	*0.20*	*5*	*0*	*49.5*	*20 - 120*	*2.865*	*14.6*	*20*	
Surr: 4-Terphenyl-d14	*5.368*	*0.20*	*5*	*0*	*107*	*40 - 135*	*5.82*	*8.07*	*20*	
Surr: Nitrobenzene-d5	*3.078*	*0.20*	*5*	*0*	*61.6*	*41 - 120*	*3.162*	*2.69*	*20*	
Surr: Phenol-d6	*3.107*	*0.20*	*5*	*0*	*62.1*	*20 - 120*	*3.144*	*1.19*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 181858 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS22071469-09MSD** Units: **ug/L** Analysis Date: **03-Aug-2022 14:13**
Client ID: **WG-1620-MW67B-20220727** Run ID: **SV-8_414342** SeqNo: **6784857** PrepDate: **01-Aug-2022** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	5.016	0.20	5	0	100	39 - 127	4.776	4.9	20	
2,4-Dimethylphenol	3.98	0.20	5	0	79.6	35 - 120	4.651	15.5	20	
2,4-Dinitrotoluene	5.728	0.20	5	0	115	50 - 122	5.733	0.0834	20	
2,6-Dinitrotoluene	5.728	0.20	5	0	115	50 - 120	5.733	0.0834	20	
2-Chloronaphthalene	4.567	0.20	5	0	91.3	50 - 120	4.646	1.7	20	
2-Methylnaphthalene	4.375	0.10	5	0.03958	86.7	50 - 120	4.621	5.46	20	
4,6-Dinitro-2-methylphenol	6.747	0.20	5	0	135	25 - 121	6.057	10.8	30	S
4-Nitrophenol	5.337	1.0	5	0	107	30 - 130	5.45	2.1	20	
Acenaphthene	4.603	0.10	5	0	92.1	45 - 120	4.794	4.08	20	
Acenaphthylene	4.583	0.10	5	0	91.7	47 - 120	4.693	2.36	20	
Anthracene	5.797	0.10	5	0	116	45 - 120	5.239	10.1	20	
Benz(a)anthracene	6.49	0.10	5	0	130	40 - 120	5.39	18.5	20	S
Benzo(a)pyrene	6.366	0.10	5	0	127	45 - 120	5.001	24	20	SR
Bis(2-chloroethoxy)methane	4.56	0.20	5	0	91.2	45 - 120	4.812	5.37	20	
Bis(2-ethylhexyl)phthalate	10.63	0.20	5	0	213	40 - 139	8.182	26	20	SRE
Chrysene	6.233	0.10	5	0	125	43 - 120	5.158	18.9	20	S
Dibenzofuran	4.616	0.10	5	0	92.3	50 - 120	4.769	3.27	20	
Di-n-butyl phthalate	9.329	0.20	5	0	187	45 - 123	7.802	17.8	20	S
Fluoranthene	6.475	0.10	5	0	129	45 - 125	5.563	15.2	20	S
Fluorene	4.739	0.10	5	0.04356	93.9	49 - 120	4.931	3.98	20	
Naphthalene	4.447	0.10	5	0.1302	86.3	45 - 120	4.601	3.39	20	
Nitrobenzene	4.064	0.20	5	0	81.3	44 - 120	4.322	6.17	20	
N-Nitrosodiphenylamine	5.955	0.20	5	0	119	40 - 125	5.329	11.1	20	
Pentachlorophenol	7.131	0.20	5	0	143	19 - 121	6.057	16.3	20	S
Phenanthrene	5.521	0.10	5	0	110	45 - 121	5.092	8.08	20	
Phenol	4.059	0.20	5	0	81.2	20 - 124	4.269	5.06	20	
Pyrene	6.985	0.10	5	0	140	40 - 130	5.358	26.4	20	SR
Surr: 2,4,6-Tribromophenol	*6.168*	*0.20*	*5*	*0*	*123*	*34 - 129*	*6.313*	*2.32*	*20*	
Surr: 2-Fluorobiphenyl	*4.437*	*0.20*	*5*	*0*	*88.7*	*40 - 125*	*4.746*	*6.74*	*20*	
Surr: 2-Fluorophenol	*4.184*	*0.20*	*5*	*0*	*83.7*	*20 - 120*	*4.147*	*0.882*	*20*	
Surr: 4-Terphenyl-d14	*7.47*	*0.20*	*5*	*0*	*149*	*40 - 135*	*5.988*	*22*	*20*	SR
Surr: Nitrobenzene-d5	*4.166*	*0.20*	*5*	*0*	*83.3*	*41 - 120*	*4.505*	*7.82*	*20*	
Surr: Phenol-d6	*4.145*	*0.20*	*5*	*0*	*82.9*	*20 - 120*	*4.4*	*5.99*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: 181858 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS22071469-02	HS22071469-03	HS22071469-04	HS22071469-05
HS22071469-06	HS22071469-07	HS22071469-08	HS22071469-09
HS22071469-10	HS22071469-11	HS22071469-12	HS22071469-13
HS22071469-14	HS22071469-15		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: R414195 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220801** Units: **ug/L** Analysis Date: **01-Aug-2022 11:13**
Client ID: Run ID: **VOA4_414195** SeqNo: **6781538** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*44.71*	*1.0*	*50*	*0*	*89.4*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.61*	*1.0*	*50*	*0*	*97.2*	*77 - 113*				
Surr: Dibromofluoromethane	*43.97*	*1.0*	*50*	*0*	*87.9*	*73 - 126*				
Surr: Toluene-d8	*50.12*	*1.0*	*50*	*0*	*100*	*81 - 120*				

LCS Sample ID: **VLCSW-220801** Units: **ug/L** Analysis Date: **01-Aug-2022 10:30**
Client ID: Run ID: **VOA4_414195** SeqNo: **6781537** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.96	1.0	20	0	99.8	70 - 124				
Benzene	18.17	1.0	20	0	90.9	74 - 120				
Chlorobenzene	17.99	1.0	20	0	90.0	76 - 113				
Ethylbenzene	19.97	1.0	20	0	99.9	77 - 117				
Methylene chloride	16.32	2.0	20	0	81.6	70 - 127				
Toluene	18.4	1.0	20	0	92.0	77 - 118				
Xylenes, Total	58.91	1.0	60	0	98.2	75 - 122				
Surr: 1,2-Dichloroethane-d4	*43.33*	*1.0*	*50*	*0*	*86.7*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.78*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*43.15*	*1.0*	*50*	*0*	*86.3*	*73 - 126*				
Surr: Toluene-d8	*49.71*	*1.0*	*50*	*0*	*99.4*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: R414195 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071469-09MS** Units: **ug/L** Analysis Date: **01-Aug-2022 18:54**
Client ID: **WG-1620-MW67B-20220727** Run ID: **VOA4_414195** SeqNo: **6781559** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.04	1.0	20	0	85.2	70 - 127				
Benzene	16.55	1.0	20	0	82.7	70 - 127				
Chlorobenzene	16.7	1.0	20	0	83.5	70 - 114				
Ethylbenzene	18.5	1.0	20	0	92.5	70 - 124				
Methylene chloride	15.83	2.0	20	0	79.2	70 - 128				
Toluene	17.63	1.0	20	0	88.2	70 - 123				
Xylenes, Total	55.99	1.0	60	0	93.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*47*	*1.0*	*50*	*0*	*94.0*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.11*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*44.44*	*1.0*	*50*	*0*	*88.9*	*77 - 123*				
Surr: Toluene-d8	*49.06*	*1.0*	*50*	*0*	*98.1*	*82 - 127*				

MSD Sample ID: **HS22071469-09MSD** Units: **ug/L** Analysis Date: **01-Aug-2022 19:16**
Client ID: **WG-1620-MW67B-20220727** Run ID: **VOA4_414195** SeqNo: **6781560** 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	88.9	70 - 127	17.04	4.29	20	
Benzene	16.98	1.0	20	0	84.9	70 - 127	16.55	2.54	20	
Chlorobenzene	17.15	1.0	20	0	85.8	70 - 114	16.7	2.68	20	
Ethylbenzene	18.21	1.0	20	0	91.0	70 - 124	18.5	1.62	20	
Methylene chloride	15.36	2.0	20	0	76.8	70 - 128	15.83	3.04	20	
Toluene	17.87	1.0	20	0	89.4	70 - 123	17.63	1.34	20	
Xylenes, Total	55.07	1.0	60	0	91.8	70 - 130	55.99	1.66	20	
Surr: 1,2-Dichloroethane-d4	*47.19*	*1.0*	*50*	*0*	*94.4*	*70 - 126*	*47*	*0.391*	*20*	
Surr: 4-Bromofluorobenzene	*49.25*	*1.0*	*50*	*0*	*98.5*	*77 - 113*	*50.11*	*1.73*	*20*	
Surr: Dibromofluoromethane	*46.39*	*1.0*	*50*	*0*	*92.8*	*77 - 123*	*44.44*	*4.27*	*20*	
Surr: Toluene-d8	*49.85*	*1.0*	*50*	*0*	*99.7*	*82 - 127*	*49.06*	*1.59*	*20*	

The following samples were analyzed in this batch: HS22071469-02 HS22071469-03 HS22071469-05 HS22071469-09

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: R414197 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220801** Units: **ug/L** Analysis Date: **01-Aug-2022 22:08**
Client ID: Run ID: **VOA4_414197** SeqNo: **6781647** 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	1.0								
Surr: 1,2-Dichloroethane-d4	*44.16*	*1.0*	*50*	*0*	*88.3*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*47.76*	*1.0*	*50*	*0*	*95.5*	*77 - 113*				
Surr: Dibromofluoromethane	*44.22*	*1.0*	*50*	*0*	*88.4*	*73 - 126*				
Surr: Toluene-d8	*50.85*	*1.0*	*50*	*0*	*102*	*81 - 120*				

LCS Sample ID: **VLCSW-220801** Units: **ug/L** Analysis Date: **01-Aug-2022 21:25**
Client ID: Run ID: **VOA4_414197** SeqNo: **6781646** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.25	1.0	20	0	96.2	70 - 124				
Benzene	18.54	1.0	20	0	92.7	74 - 120				
Chlorobenzene	19.11	1.0	20	0	95.6	76 - 113				
Ethylbenzene	20.5	1.0	20	0	102	77 - 117				
Methylene chloride	18.6	2.0	20	0	93.0	70 - 127				
Toluene	19.65	1.0	20	0	98.3	77 - 118				
Xylenes, Total	62.09	1.0	60	0	103	75 - 122				
Surr: 1,2-Dichloroethane-d4	*43.36*	*1.0*	*50*	*0*	*86.7*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.91*	*1.0*	*50*	*0*	*99.8*	*77 - 113*				
Surr: Dibromofluoromethane	*45.75*	*1.0*	*50*	*0*	*91.5*	*73 - 126*				
Surr: Toluene-d8	*50.12*	*1.0*	*50*	*0*	*100*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS22071469

QC BATCH REPORT

Batch ID: R414197 (0) **Instrument: VOA4** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22071469-15MS** Units: **ug/L** Analysis Date: **02-Aug-2022 05:43**
Client ID: **WG-1620-MW65D-20220727** Run ID: **VOA4_414197** SeqNo: **6781668** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.69	1.0	20	0	93.5	70 - 127				
Benzene	17.95	1.0	20	0	89.7	70 - 127				
Chlorobenzene	18.07	1.0	20	0	90.4	70 - 114				
Ethylbenzene	20.37	1.0	20	0	102	70 - 124				
Methylene chloride	16.38	2.0	20	0	81.9	70 - 128				
Toluene	19.74	1.0	20	0	98.7	70 - 123				
Xylenes, Total	61.7	1.0	60	0	103	70 - 130				
Surr: 1,2-Dichloroethane-d4	*42.3*	*1.0*	*50*	*0*	*84.6*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*51.74*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*42.05*	*1.0*	*50*	*0*	*84.1*	*77 - 123*				
Surr: Toluene-d8	*51.6*	*1.0*	*50*	*0*	*103*	*82 - 127*				

MSD Sample ID: **HS22071469-15MSD** Units: **ug/L** Analysis Date: **02-Aug-2022 06:04**
Client ID: **WG-1620-MW65D-20220727** Run ID: **VOA4_414197** SeqNo: **6781669** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.57	1.0	20	0	92.9	70 - 127	18.69	0.638	20	
Benzene	18.17	1.0	20	0	90.8	70 - 127	17.95	1.23	20	
Chlorobenzene	18.15	1.0	20	0	90.8	70 - 114	18.07	0.438	20	
Ethylbenzene	19.57	1.0	20	0	97.8	70 - 124	20.37	4.04	20	
Methylene chloride	15.92	2.0	20	0	79.6	70 - 128	16.38	2.86	20	
Toluene	18.24	1.0	20	0	91.2	70 - 123	19.74	7.89	20	
Xylenes, Total	59.62	1.0	60	0	99.4	70 - 130	61.7	3.44	20	
Surr: 1,2-Dichloroethane-d4	*43.25*	*1.0*	*50*	*0*	*86.5*	*70 - 126*	*42.3*	*2.23*	*20*	
Surr: 4-Bromofluorobenzene	*49.47*	*1.0*	*50*	*0*	*98.9*	*77 - 113*	*51.74*	*4.48*	*20*	
Surr: Dibromofluoromethane	*44.57*	*1.0*	*50*	*0*	*89.1*	*77 - 123*	*42.05*	*5.83*	*20*	
Surr: Toluene-d8	*48.77*	*1.0*	*50*	*0*	*97.5*	*82 - 127*	*51.6*	*5.65*	*20*	

The following samples were analyzed in this batch:

HS22071469-01	HS22071469-04	HS22071469-06	HS22071469-07
HS22071469-08	HS22071469-10	HS22071469-11	HS22071469-12
HS22071469-13	HS22071469-14	HS22071469-15	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS22071469**

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
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023

Sample Receipt Checklist

Work Order ID: HS22071469 **Date/Time Received:** **28-Jul-2022 10:45**

Client Name: PBW **Received by:** **Pablo Marinez**

Completed By:	/S/ Pablo Marinez	28-Jul-2022 14:06	**Reviewed by:**	/S/ Dane J. Wacasey	29-Jul-2022 12:46
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** 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:274809/808
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):	2.4°C/2.9°C, 0.5°C/1.0°C, 1.2°C/1.7°C, 1.3°C/1.8°C UC/C	IR 31
Cooler(s)/Kit(s):	49214, 45593, 48882, 46801	
Date/Time sample(s) sent to storage:	7/28/22 14:00	

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
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: 274809

HS22071469

WSP Golder

Houston TX-Wood Preserving Works

, WV

Customer Information		Project Information	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev1 SR 92688
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

ALS Project Manager:

A: 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B: 8260_LL_W (5632528 VOC Site Specific +V.C.) [3xVOAHCl]
C: 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D: ICP_TW (5636002 Metals - As) [120ml PI HNO3]
E: MS/MSD
F:
G:
H:
I:
J:

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WG-1620-TB_09_-20220727			Water	1,8	2	X										
2	WG-1620-MW84B-20220726	7-26-22	1615	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-MW84A-20220726	"	1705	GW		6	X		X	X							
4	WG-1620-FB12-20220726	"	1730	GW		6	X		X	X							
5	WG-1620-MW87C-20220727	7-27-22	0755	GW		6	X		X	X							
6	WG-1620-MW36A-20220727	"	0900	GW		6	X		X	X							
7	WG-1620-MW91A-20220727	"	0950	GW		6	X		X	X							
8	WG-1620-FD06-20220727	"	0950	GW		6	X		X	X							
9	WG-1620-MW67B-20220727	"	1050	GW		12	X		X	X	X						
10	WG-1620-MW90B-20220727	"	1225	GW		6	X		X	X							

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Date: 7-28-22 Time: 1050 Received by:

Relinquished by: Date: 7-28-22 Time: 10:45 Received by (Laboratory):

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
49114	2.4C
45593	0.5C
42223	1.7C
46201	1.3C

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.

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Chain of Custody Form

Page 2 of 2

COC ID: 274808

HS22071469

WV

WSP Golder

Houston TX-Wood Preserving Works

Customer Information		Project Information	
Purchase Order	4300042071/Kevin Peterburs 162	Project Name	Houston TX-Wood Preserving Works
Work Order		Project Number	1620-01-Rev1 SR 92688
Company Name	Golder Associates Inc.	Bill To Company	Union Pacific Railroad- A/P
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha NE 681790750
Phone	(512) 671-3434	Phone	
Fax	(512) 671-3446	Fax	
e-Mail Address	Eric_Matzner@golder.com	e-Mail Address	

ALS Project Manager:

A: 8260_LL_W (5632528 VOC Site Specific) [3xVOAHCl]
B: 8260_LL_W (5632528 VOC Site Specific + V.C.) [3xVOAHCl]
C: 8270_LOW_W (5632532 SVOC Site specific) [2x1LAmNeat]
D: ICP_TW (5636002 Metals - As) [120ml PI HNO3]
E: MS | MSD
F:
G:
H:
I:
J:

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~WG-1620-TB 2022~~			~~Water~~	~~1,8~~	2											
2	WG-1620-MW36D-20220727	7-27-22	1340	Groundwa	1,2,8	6	X		X	X							
3	WG-1620-MW66D-20220727		1450	GW		6	X		X	X							
4	WG-1620-MW59D-20220727		1610	GW		6	X		X	X							
5	WG-1620-FD07-20220727		1610	GW		6	X		X	X							
6	WG-1620-MW65D-20220727		1725	GW		12	X		X	X	X						
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

Relinquished by: Date: 7-28-22 Time: 1050 Received by:

Relinquished by: Date: 7-28-22 Time: 10:45 Received by (Laboratory):

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Notes: UPRR HWPW 1620-01

Cooler ID	Cooler Temp.
49214	2.4c
45543	0.5c
48282	1.2c
46801	1.5c

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.

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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
1/23/2018	7/13/2022	on-site	MW-03	NT	ND	ND	NT	PI	
1/23/2018	7/14/2022	on-site	MW-04	NT	ND	ND	S	PD	
7/12/2011	7/13/2022	on-site	MW-05	PD	ND	ND	D	D	
7/12/2011	7/13/2022	on-site	MW-09	NT	NT	ND	S	NT	
1/22/2009	7/13/2022	on-site	MW-12A	D	PD	PD	S	D	
1/22/2009	7/11/2022	on-site	MW-13	NT	NT	ND	S	NT	
1/22/2009	7/11/2022	on-site	MW-15A	D	NT	D	D	D	
1/22/2009	7/12/2022	on-site	MW-17	D	S	S	PD	PD	
1/22/2009	7/12/2022	on-site	MW-18A	S	D	S	S	S	
7/12/2011	7/11/2022	on-site	MW-20A	S	D	D	S	NT	
1/22/2009	7/18/2022	on-site	MW-49A	D	PD	D	D	NT	
1/22/2009	7/17/2022	on-site	MW-50A	NT	NT	ND	D	NT	
1/22/2009	7/17/2022	on-site	MW-51A	NT	ND	ND	NT	NT	
1/22/2009	7/12/2022	on-site	MW-57A	D	D	D	D	D	DNAPL Recovery Well
1/22/2009	7/12/2022	on-site	MW-58A	PD	D	D	D	NT	
1/22/2009	7/13/2022	on-site	MW-64A	NT	ND	S	NT	NT	
7/2/2014	7/14/2022	on-site	MW-77A	S	NT	S	S	S	
7/2/2014	7/14/2022	on-site	MW-78A	NT	S	I	S	NT	DNAPL Recovery Well
8/28/2014	7/18/2022	on-site	MW-79A	S	S	S	D	S	
1/7/2020	7/12/2022	on-site	MW-88A	NT	NT	ND	NT	NT	
1/7/2020	7/14/2022	on-site	MW-97A	NT	ND	ND	NT	NT	
1/7/2020	7/14/2022	on-site	MW-98A	ND	S	S	NT	S	
1/23/2018	7/26/2022	off-site	MW-22AR	ND	ND	ND	NT	NT	
1/22/2009	7/25/2022	off-site	MW-25A	NT	ND	ND	D	NT	
1/22/2009	7/20/2022	off-site	MW-26A	PD	NT	D	D	D	
1/23/2018	7/19/2022	off-site	MW-27A	NT	ND	ND	NT	NT	
1/22/2009	7/20/2022	off-site	MW-28A	NT	NT	ND	NT	NT	
1/30/2012	7/21/2022	off-site	MW-32AR	NT	PD	PD	D	NT	
1/22/2009	7/21/2022	off-site	MW-33A	D	PD	D	D	D	
1/22/2009	7/20/2022	off-site	MW-35A	NT	NT	NT	NT	NT	
1/22/2009	7/27/2022	off-site	MW-36A	NT	ND	ND	NT	PD	
1/22/2009	7/26/2022	off-site	MW-38A	PD	ND	ND	NT	NT	
1/22/2009	7/25/2022	off-site	MW-44A	D	NT	D	D	D	
1/7/2020	7/24/2022	off-site	MW-47A	NT	S	ND	ND	NT	
1/22/2009	7/18/2022	off-site	MW-59A	NT	NT	ND	NT	NT	
1/22/2009	7/1/2019	off-site	MW-60A	NT	NT	ND	NT	NT	
1/7/2020	7/18/2022	off-site	MW-60AR	NT	NT	ND	NT	PI	
1/22/2009	7/22/2022	off-site	MW-61A	PD	ND	ND	ND	NT	
5/29/2019	7/19/2022	off-site	MW-68A	D	NT	NT	S	PD	
6/22/2010	7/19/2022	off-site	MW-69A	NT	NT	NT	NT	NT	
1/7/2020	7/26/2022	off-site	MW-84A	ND	ND	ND	ND	NT	
1/7/2020	7/27/2022	off-site	MW-91A	NT	NT	ND	NT	NT	
1/7/2020	7/26/2022	off-site	MW-94A	ND	ND	ND	NT	ND	
1/7/2020	7/22/2022	off-site	MW-95A	ND	ND	ND	NT	ND	
1/7/2020	7/24/2022	on-site	MW-12B	NT	NT	D	NT	NT	DNAPL Recovery Well
1/22/2009	7/11/2022	on-site	MW-14	D	NT	ND	D	D	

Table C-1
Mann-Kendall Results

Date Range		Location	Well	2-Methylnaphthalene	2,4-Dimethylphenol	Benzene	Dibenzofuran	Naphthalene	Comment
1/30/2012	7/11/2022	on-site	MW-15B	NT	ND	S	D	PD	
1/22/2009	7/11/2022	on-site	MW-39B	NT	ND	ND	NT	NT	
1/22/2009	7/11/2022	on-site	MW-40B	D	D	D	PD	D	
1/7/2020	7/24/2022	on-site	MW-41B	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/13/2010	7/11/2022	on-site	MW-42B	NT	NT	ND	D	PD	
1/22/2009	7/18/2022	on-site	MW-49B	I	I	I	I	I	DNAPL Recovery Well
1/7/2020	7/17/2022	on-site	MW-50B	NT	ND	NT	D	NT	
1/30/2012	7/12/2022	on-site	MW-57B	D	D	S	D	D	DNAPL Recovery Well
1/22/2009	7/13/2022	on-site	MW-62B	NT	NT	NT	NT	NT	
1/30/2012	7/18/2022	on-site	MW-74B	NT	D	S	NT	NT	DNAPL Recovery Well
1/30/2012	7/14/2021	on-site	MW-75B	PD	NT	D	NT	D	DNAPL Recovery Well
1/7/2020	7/14/2022	on-site	MW-76B	NT	NT	ND	NT	D	
8/28/2014	7/17/2022	on-site	MW-80B	PD	NT	PD	NT	NT	
7/2/2014	7/14/2022	on-site	MW-81B	NT	NT	S	ND	NT	
1/7/2020	7/13/2022	on-site	MW-88B	PI	ND	ND	PI	I	
1/7/2020	7/14/2022	on-site	MW-98B	NT	NT	ND	NT	NT	
1/22/2009	7/13/2022	on-site	P-11	PI	ND	NT	NT	NT	
1/13/2010	7/13/2022	on-site	TW-41B	I	NT	I	I	I	
1/23/2018	7/26/2022	off-site	MW-22BR	D	ND	ND	D	PD	
1/30/2012	7/21/2022	off-site	MW-32B	NT	NT	I	NT	NT	DNAPL Recovery Well
1/9/2013	7/19/2022	off-site	MW-33BR	NT	I	NT	NT	NT	
1/22/2009	7/20/2022	off-site	MW-35B	D	NT	NT	D	D	
6/22/2010	7/21/2022	off-site	MW-36B	NT	NT	D	NT	NT	
1/22/2009	7/26/2022	off-site	MW-38B	NT	NT	ND	PI	NT	
1/7/2020	7/19/2022	off-site	MW-54B	NT	ND	S	S	NT	
6/22/2010	7/18/2022	off-site	MW-59B	ND	NT	S	ND	S	
1/7/2020	7/18/2022	off-site	MW-60B	NT	ND	ND	S	NT	
1/7/2020	7/22/2022	off-site	MW-61B	ND	ND	ND	ND	ND	
1/13/2010	7/21/2022	off-site	MW-63B	NT	NT	NT	PD	NT	
6/22/2010	7/27/2022	off-site	MW-67B	NT	NT	ND	S	NT	
1/30/2012	7/19/2022	off-site	MW-68B	NT	D	D	NT	PD	DNAPL Recovery Well
7/10/2012	7/21/2022	off-site	MW-70B	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/30/2012	7/21/2022	off-site	MW-71B	NT	NT	NT	NT	NT	
7/10/2012	7/12/2022	off-site	MW-72B	D	D	D	D	D	
1/23/2018	1/21/2022	off-site	MW-82B	NT	ND	ND	NT	NT	
1/23/2018	7/20/2022	off-site	MW-83B	D	NT	S	PD	D	
1/23/2018	7/26/2022	off-site	MW-84B	D	NT	D	D	D	
7/18/2018	7/20/2022	off-site	MW-89B	NT	ND	ND	NT	NT	
7/18/2018	7/27/2022	off-site	MW-90B	NT	S	ND	NT	NT	
1/7/2020	7/26/2022	off-site	MW-92B	NT	ND	ND	NT	NT	
1/7/2020	7/26/2022	off-site	MW-93B	ND	ND	ND	S	NT	
1/7/2020	7/22/2022	off-site	MW-96B	ND	ND	ND	ND	ND	
1/22/2009	7/13/2022	on-site	MW-12C	S	I	ND	NT	S	
1/22/2009	7/11/2022	on-site	MW-15C	NT	NT	D	D	NT	
1/22/2009	7/12/2022	on-site	MW-17C	PD	I	D	D	PD	
1/22/2009	7/12/2022	on-site	MW-18C	D	NT	D	D	PD	

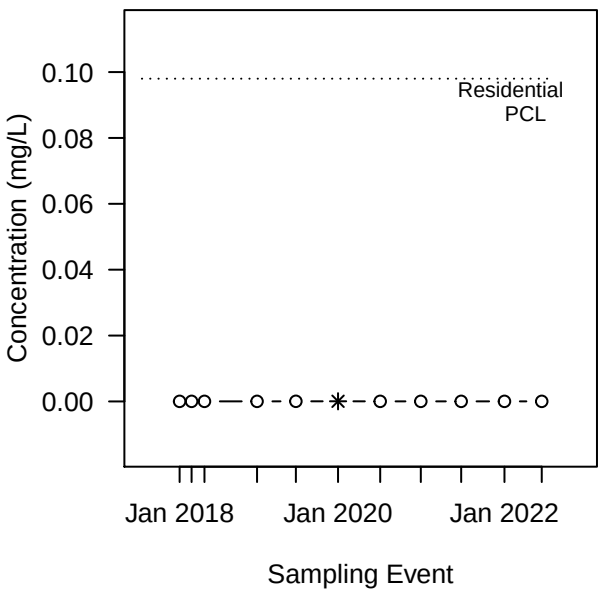
Table C-1
Mann-Kendall Results

Date Range		Location	Well	2-Methylnaphthalene	2,4-Dimethylphenol	Benzene	Dibenzofuran	Naphthalene	Comment
1/22/2009	7/12/2022	on-site	MW-19C	D	NT	NT	PI	PD	
1/22/2009	7/19/2022	on-site	MW-21C	NT	NT	ND	I	NT	
1/22/2009	7/12/2022	on-site	MW-23C	PD	I	D	D	NT	DNAPL Recovery Well
1/22/2009	7/24/2022	on-site	MW-47C	NT	S	ND	I	NT	
7/2/2014	7/17/2022	on-site	MW-51C	ND	NT	PD	NT	S	
7/2/2014	7/14/2022	on-site	MW-76C	D	NT	PD	D	D	
1/23/2018	7/14/2022	on-site	MW-85C	NT	I	D	NT	NT	
1/23/2018	7/11/2022	on-site	MW-88C	NT	ND	ND	S	NT	
1/13/2010	7/25/2022	off-site	MW-25C	D	NT	D	D	D	
1/22/2009	7/19/2022	off-site	MW-27C	NT	ND	ND	NT	D	
1/22/2009	7/20/2022	off-site	MW-28C	D	S	ND	S	D	
7/2/2014	7/24/2022	off-site	MW-34CR	NT	ND	NT	NT	NT	
7/12/2011	7/21/2022	off-site	MW-44C	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/7/2020	7/25/2022	off-site	MW-45C	NT	NT	NT	NT	PI	DNAPL Recovery Well
1/7/2020	7/20/2022	off-site	MW-46C	NT	PI	NT	NT	NT	DNAPL Recovery Well
1/22/2009	7/18/2022	off-site	MW-48C	NT	NT	ND	D	NT	
1/22/2009	7/20/2022	off-site	MW-53C	NT	ND	ND	NT	NT	
1/22/2009	7/25/2022	off-site	MW-54C	D	NT	ND	D	D	
6/22/2010	7/19/2022	off-site	MW-68C	NT	NT	D	NT	D	
1/7/2020	7/21/2022	off-site	MW-70C	NT	PD	D	NT	NT	
1/23/2018	7/20/2022	off-site	MW-83C	D	NT	ND	D	PD	
1/23/2018	7/18/2022	off-site	MW-86C	NT	NT	ND	NT	NT	
1/23/2018	7/27/2022	off-site	MW-87C	D	ND	ND	NT	D	
1/7/2020	7/19/2022	off-site	MW-99C	D	ND	ND	ND	PD	
6/22/2010	7/27/2022	off-site	MW-36D	NT	ND	S	NT	NT	
1/22/2009	7/27/2022	off-site	MW-59D	NT	ND	NT	PD	PD	
1/22/2009	7/27/2022	off-site	MW-65D	S	ND	S	S	NT	
1/22/2009	7/27/2022	off-site	MW-66D	NT	ND	ND	D	PD	

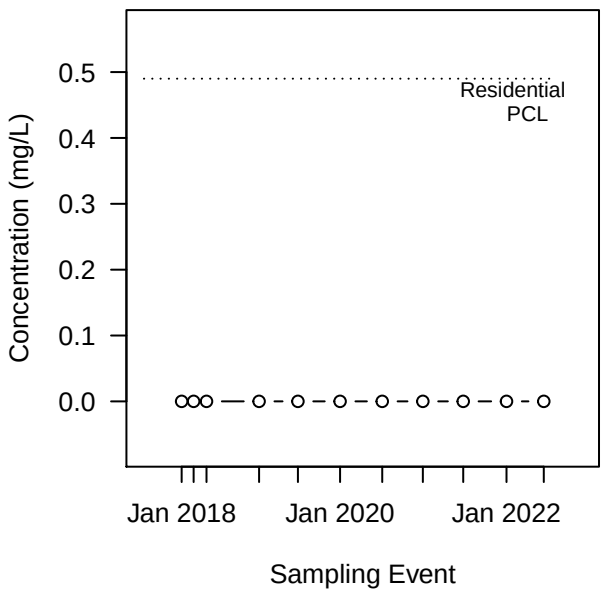
Notes:
Gray - concentrations in wells were below the Residential Assessment Level (RAL) for at least the last 4 years.
NT - No trend
ND - all Non-detects
D - Decreasing (green)
PD - Probably decreasing (yellow)
S - Stable (blue)
PI - Probably increasing (pink)
I - Increasing (red)

Mann−Kendall Trend Tests for MW−03

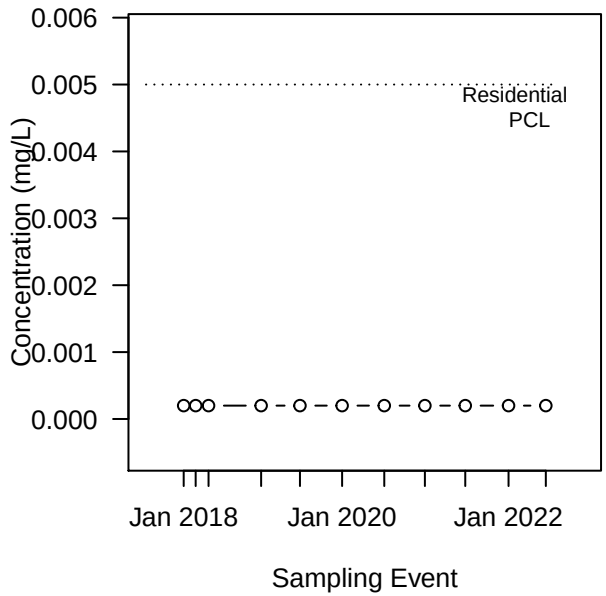
2−Methylnaphthalene (Det/N = 1/11)
No Trend
(p−value=0.5 and CV=0.38)



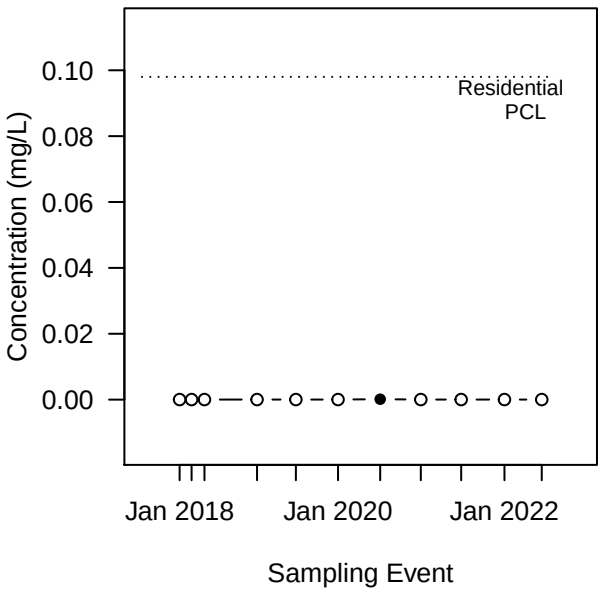
2,4−Dimethylphenol (Det/N = 0/11)
Not evaluated (all concentrations are identical)



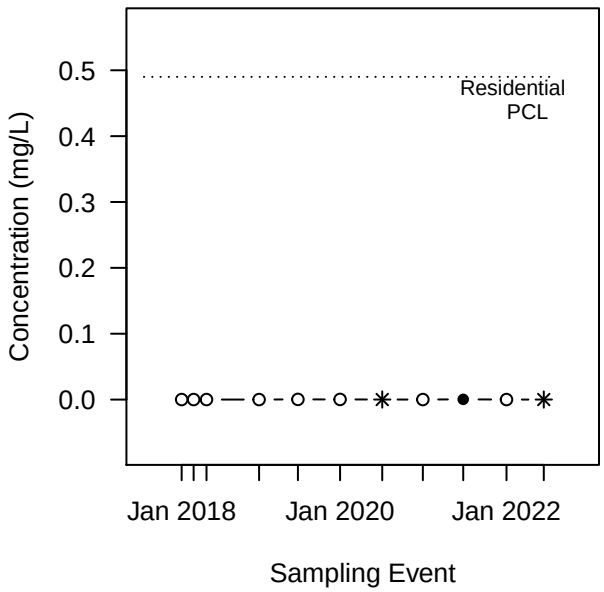
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/11)
No Trend
(p−value=0.437 and CV=1.1)



Naphthalene (Det/N = 3/11)
Probably Increasing
(p−value=0.0545 and CV=1.2)

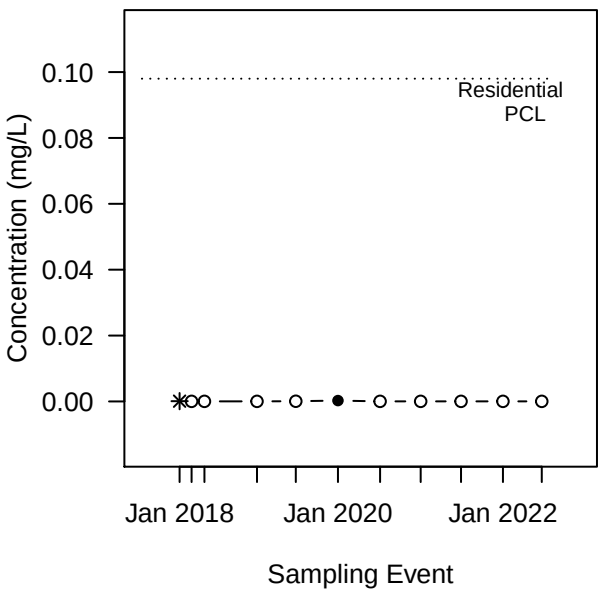


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

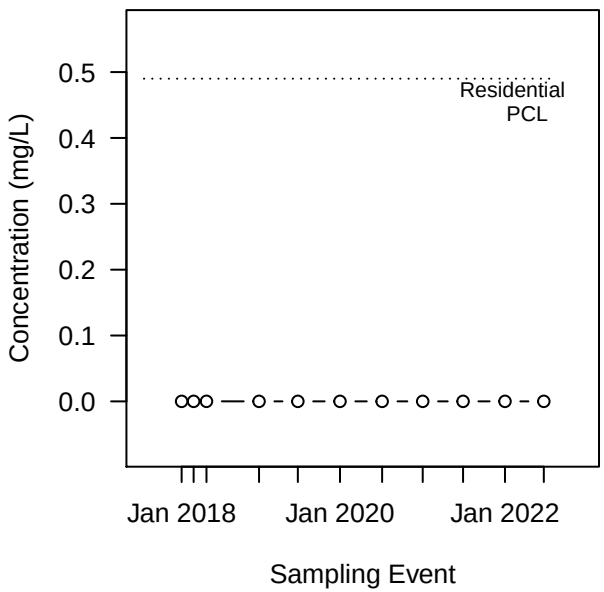
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−04

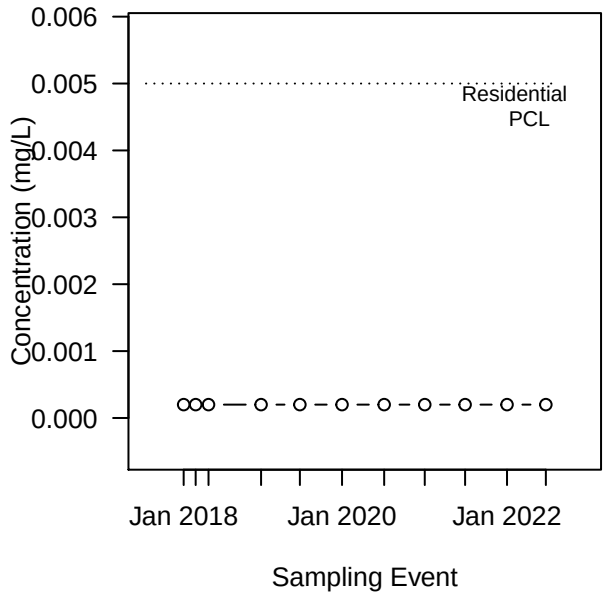
2−Methylnaphthalene (Det/N = 2/11)
No Trend
(p−value=0.175 and CV=1.5)



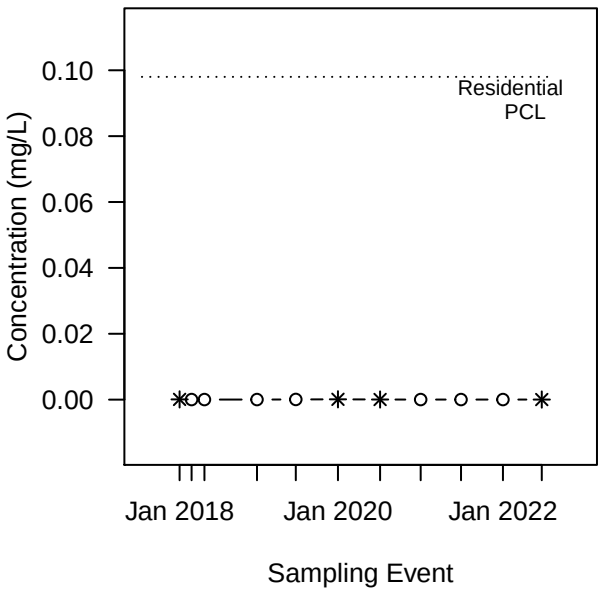
2,4−Dimethylphenol (Det/N = 0/11)
Not evaluated − All NDs



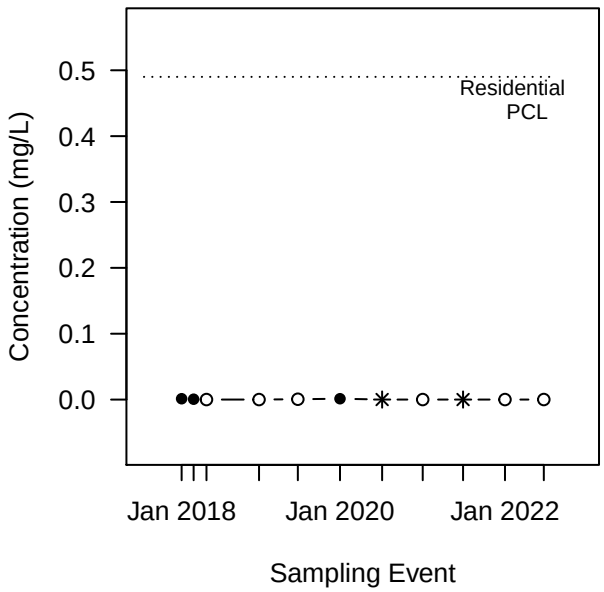
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 4/11)
Stable
(p−value=0.464 and CV=0.71)



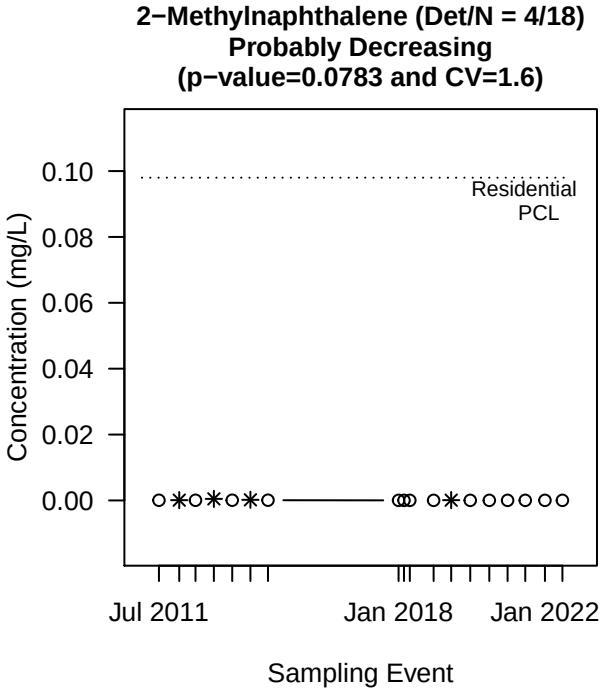
Naphthalene (Det/N = 5/11)
Probably Decreasing
(p−value=0.0848 and CV=1.4)

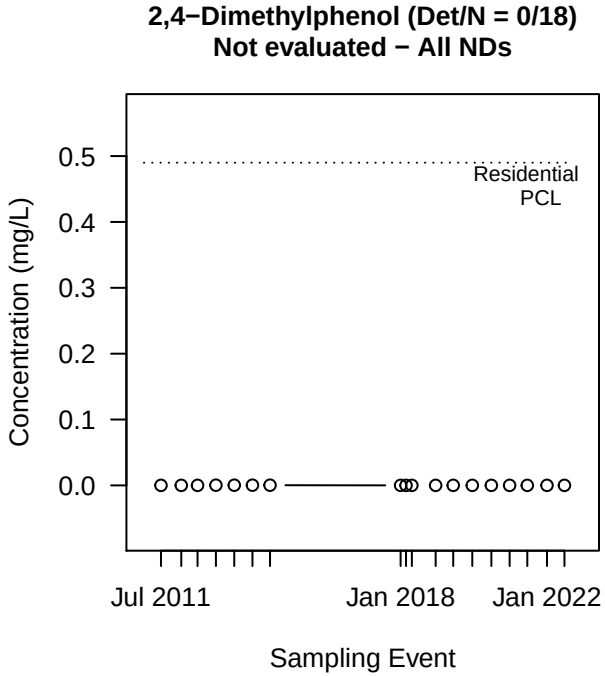


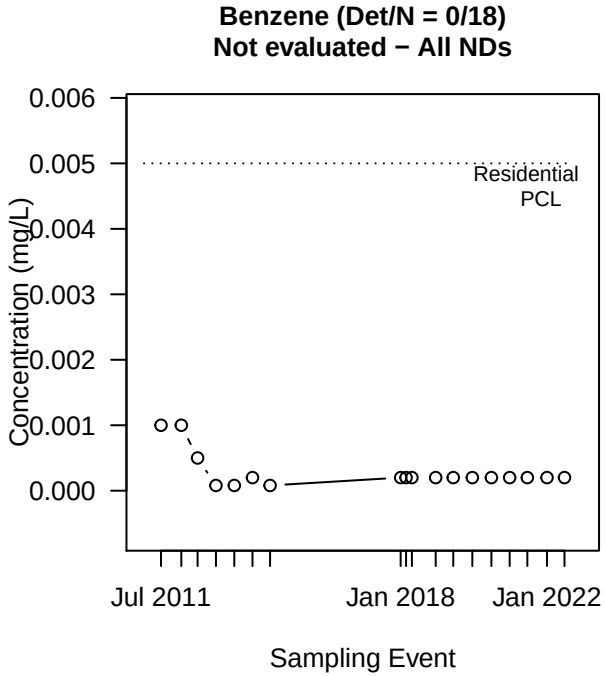
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

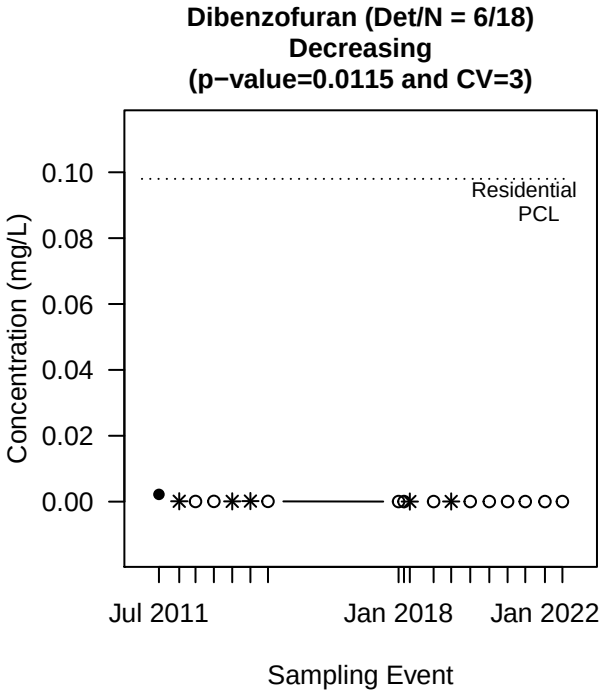
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

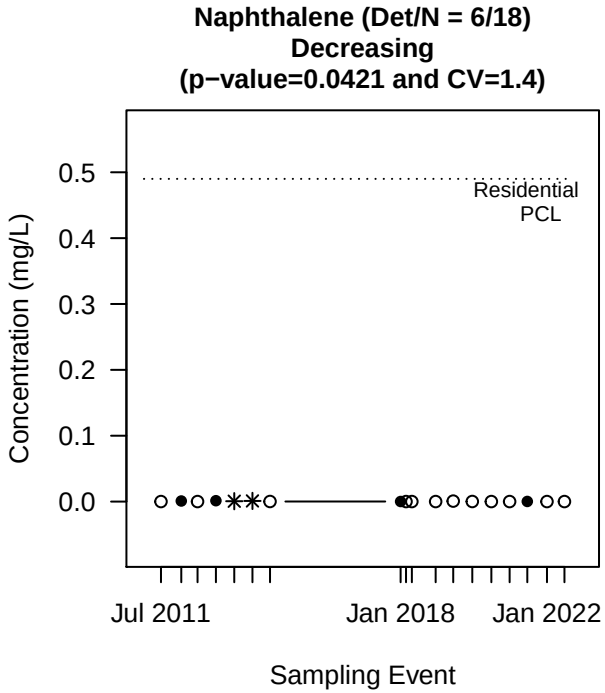
Mann−Kendall Trend Tests for MW−05

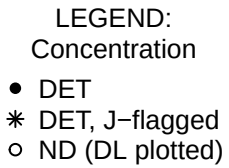






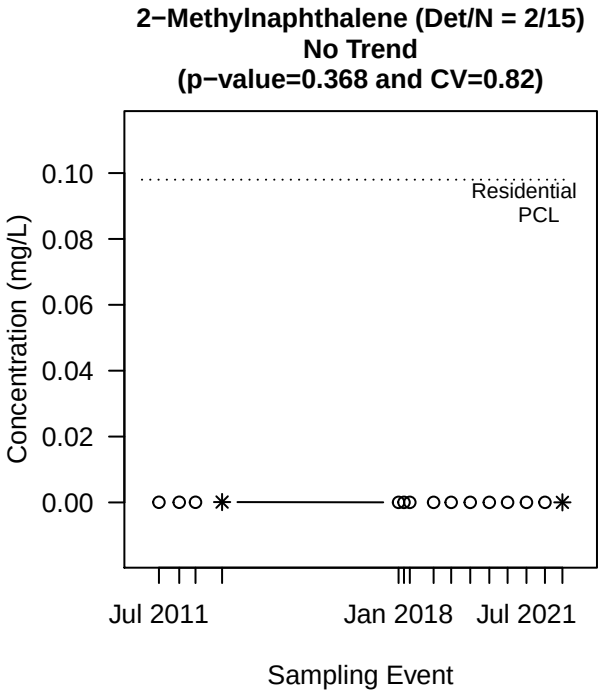


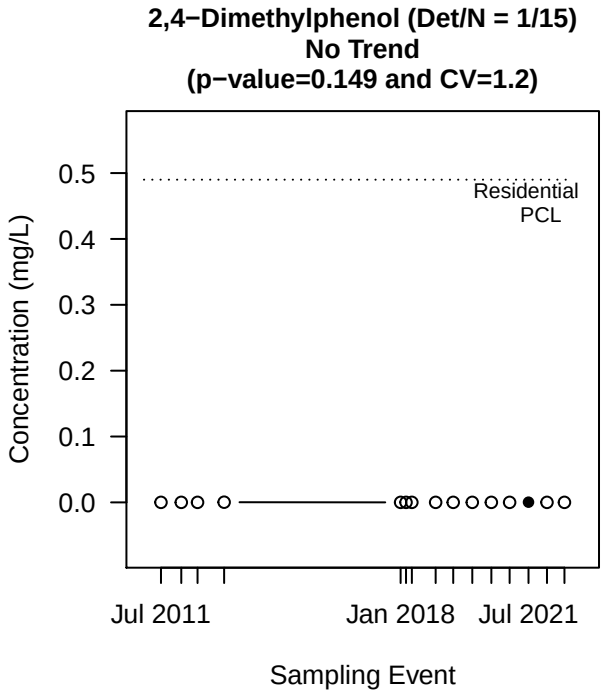


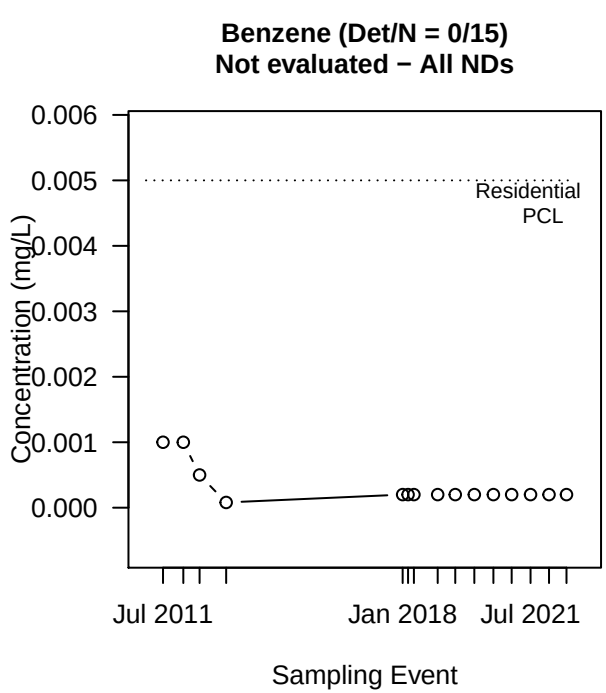


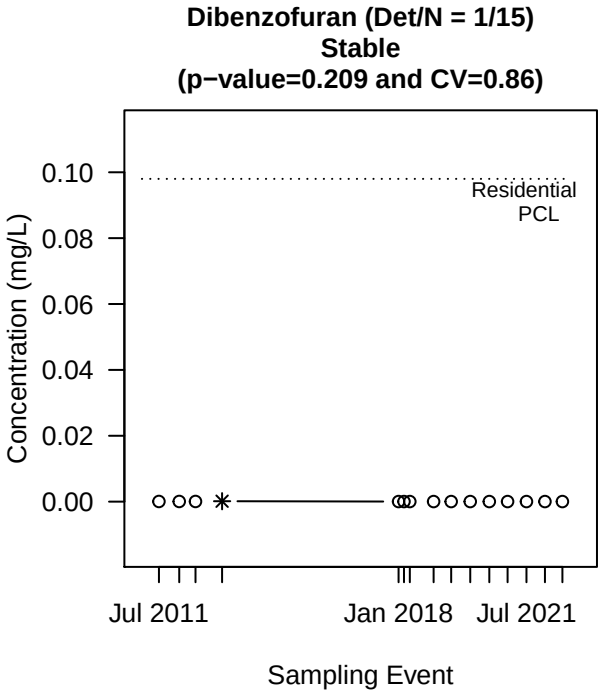
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

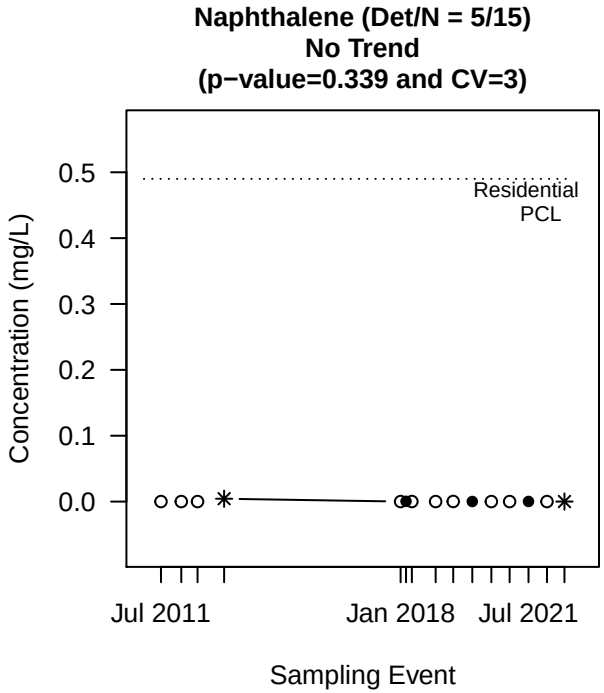
Mann−Kendall Trend Tests for MW−09

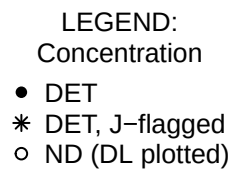








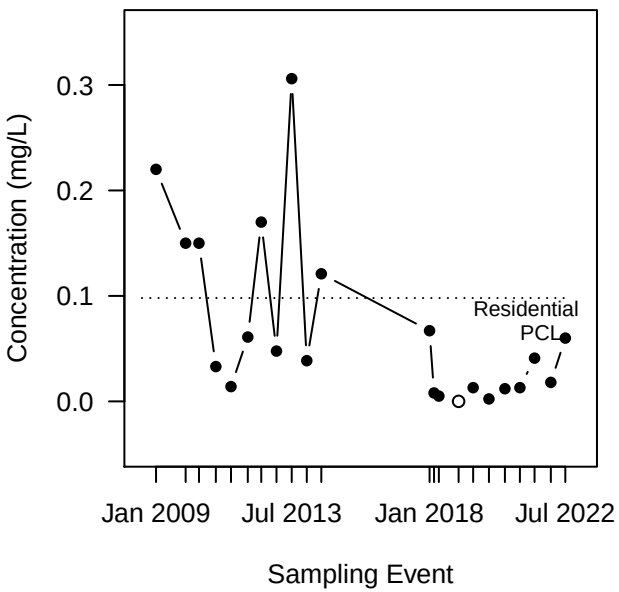




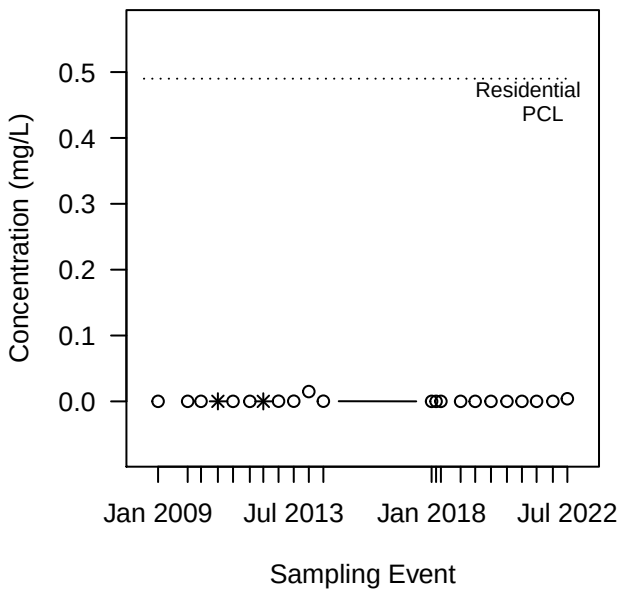
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−12A

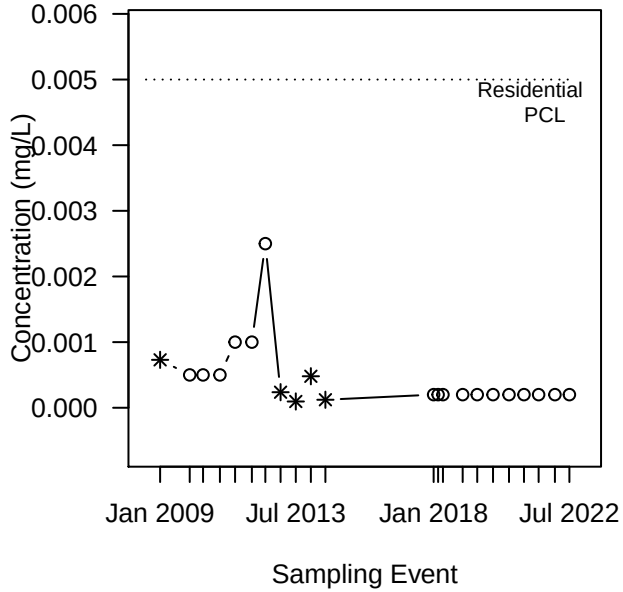
2−Methylnaphthalene (Det/N = 21/22)
Decreasing
(p−value=0.0103 and CV=1.2)



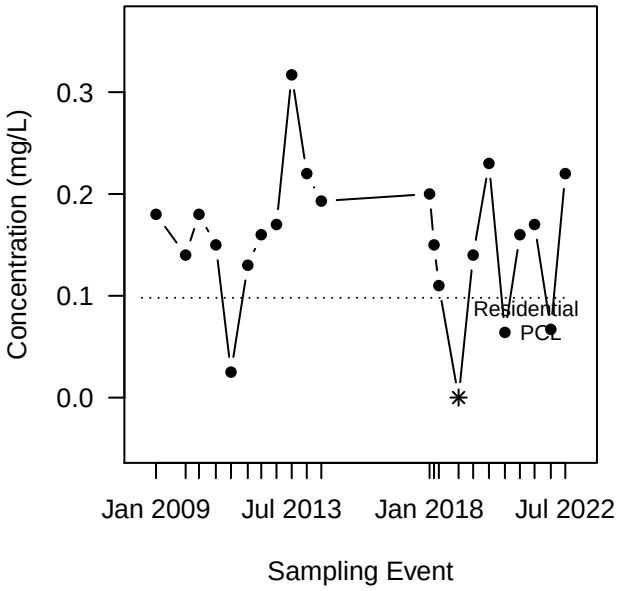
2,4−Dimethylphenol (Det/N = 2/22)
Probably Decreasing
(p−value=0.0856 and CV=3.4)



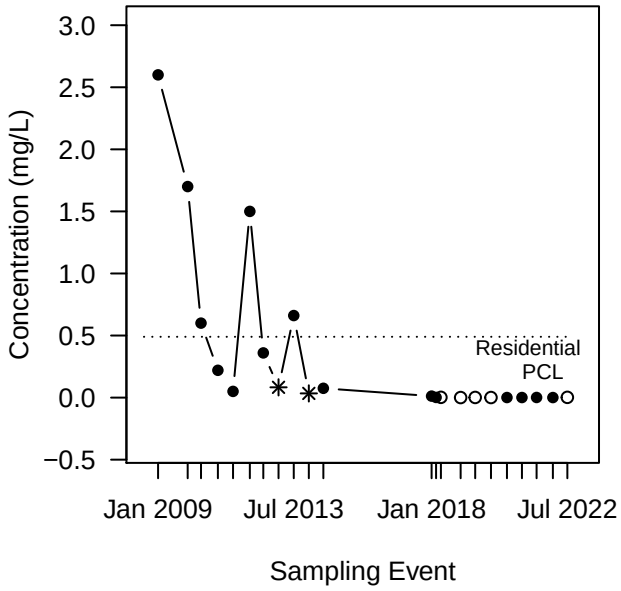
Benzene (Det/N = 5/22)
Probably Decreasing
(p−value=0.0609 and CV=1.2)



Dibenzofuran (Det/N = 22/22)
Stable
(p−value=0.477 and CV=0.46)



Naphthalene (Det/N = 17/22)
Decreasing
(p−value=4.75e−06 and CV=1.9)

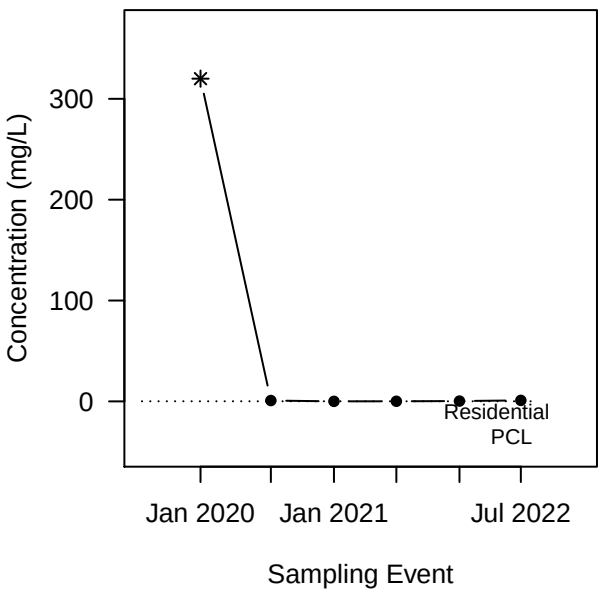


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

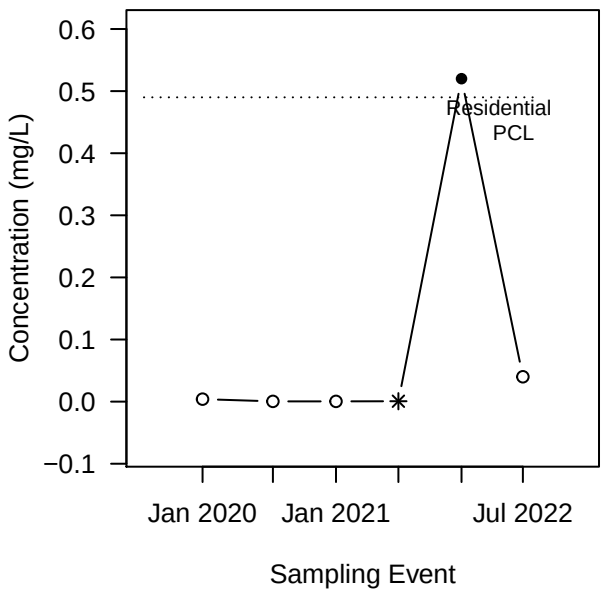
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−12B

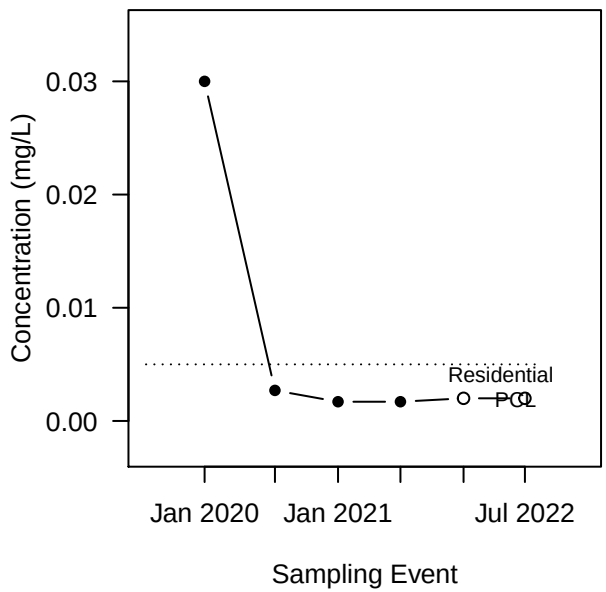
2−Methylnaphthalene (Det/N = 6/6)
No Trend
(p−value=0.5 and CV=2.4)



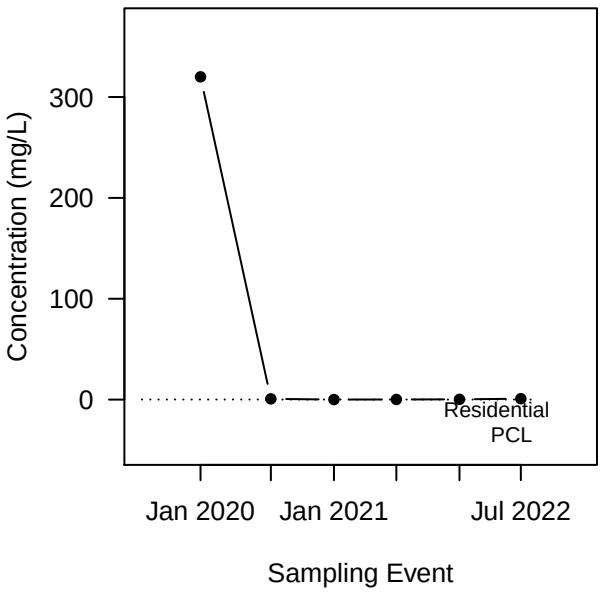
2,4−Dimethylphenol (Det/N = 2/6)
No Trend
(p−value=0.184 and CV=2.2)



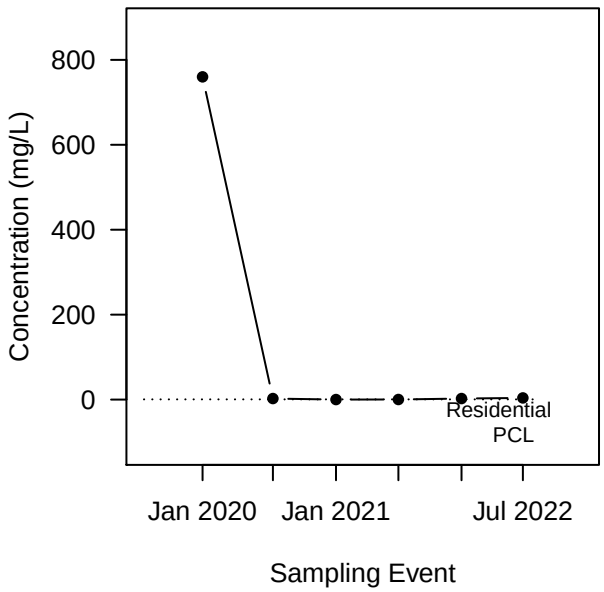
Benzene (Det/N = 4/6)
Decreasing
(p−value=0.00968 and CV=1.7)



Dibenzofuran (Det/N = 6/6)
No Trend
(p−value=0.5 and CV=2.4)



Naphthalene (Det/N = 6/6)
No Trend
(p−value=0.5 and CV=2.4)



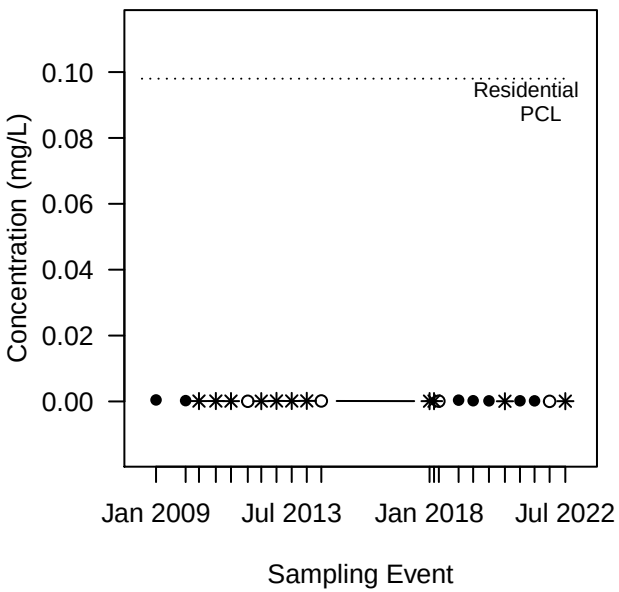
LEGEND:
Concentration

- DET
- DET, J−flagged
- ND (DL plotted)

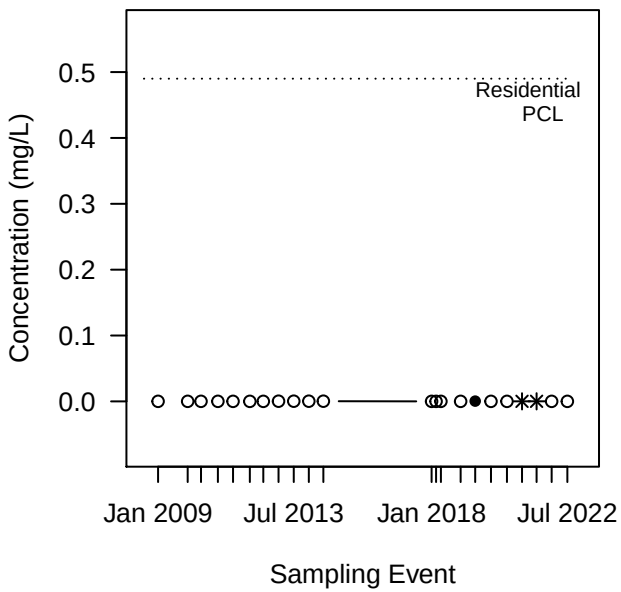
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−12C

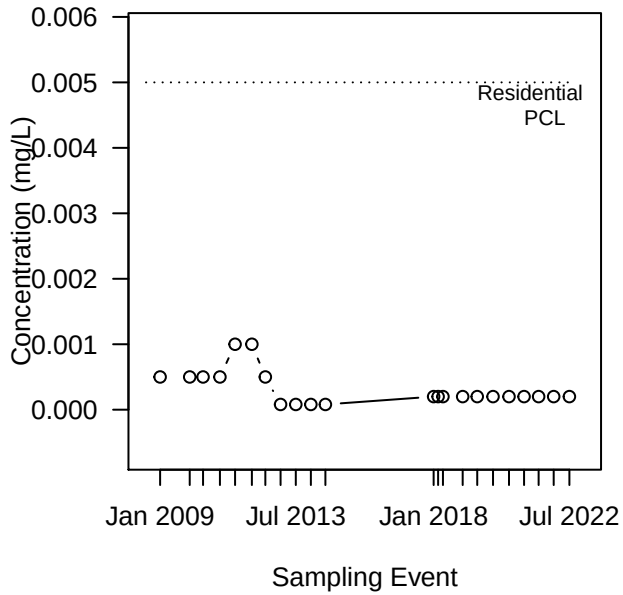
2−Methylnaphthalene (Det/N = 18/22)
Stable
(p−value=0.222 and CV=0.69)



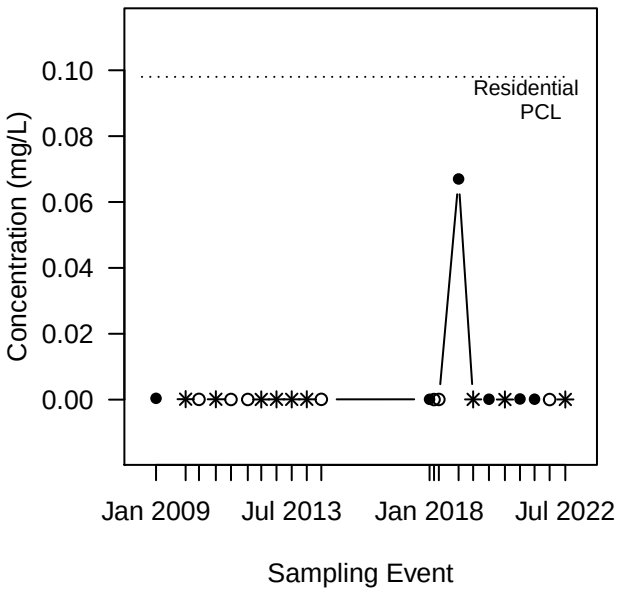
2,4−Dimethylphenol (Det/N = 3/22)
Increasing
(p−value=0.0316 and CV=1)



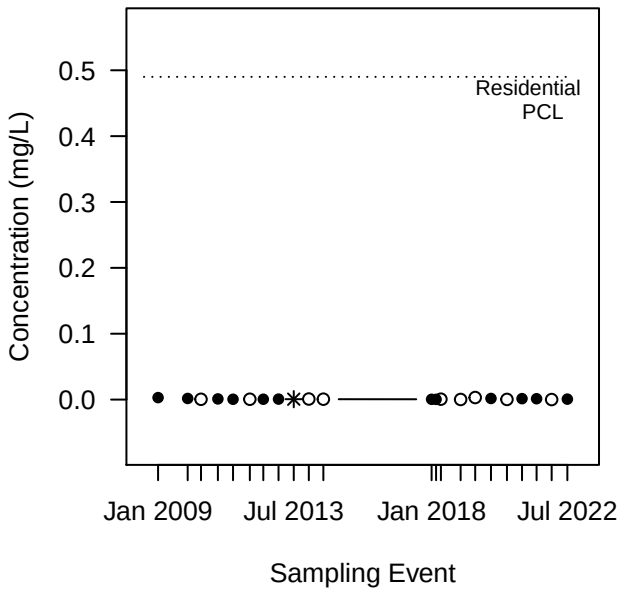
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 15/22)
No Trend
(p−value=0.5 and CV=4.5)



Naphthalene (Det/N = 13/22)
Stable
(p−value=0.153 and CV=0.89)

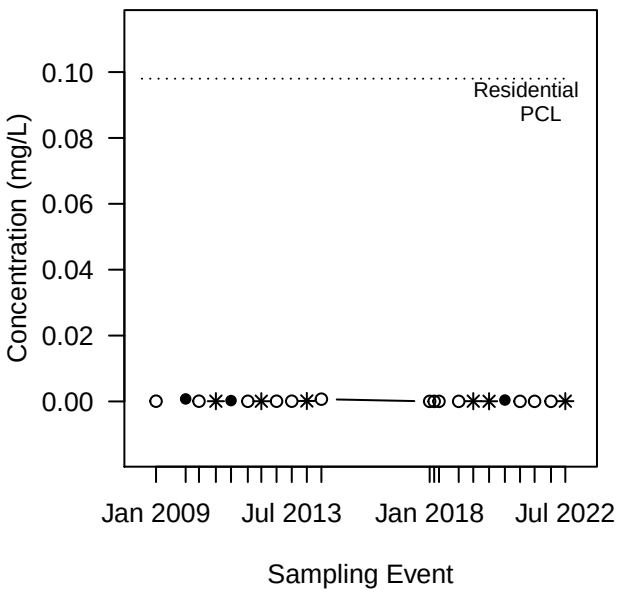


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

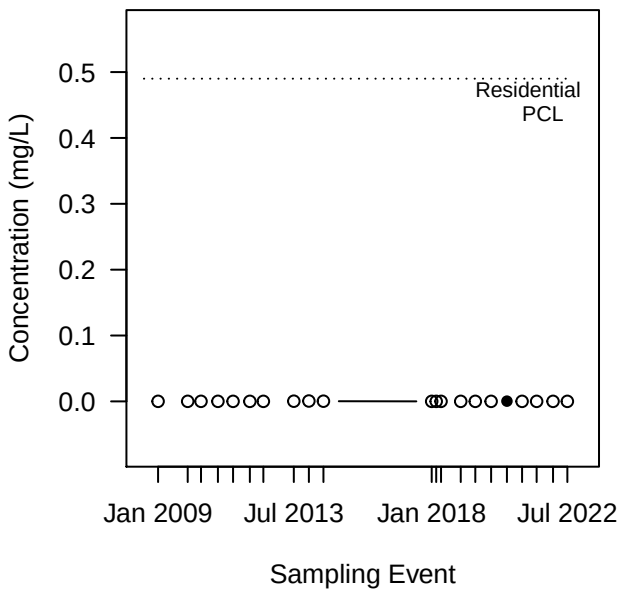
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−13

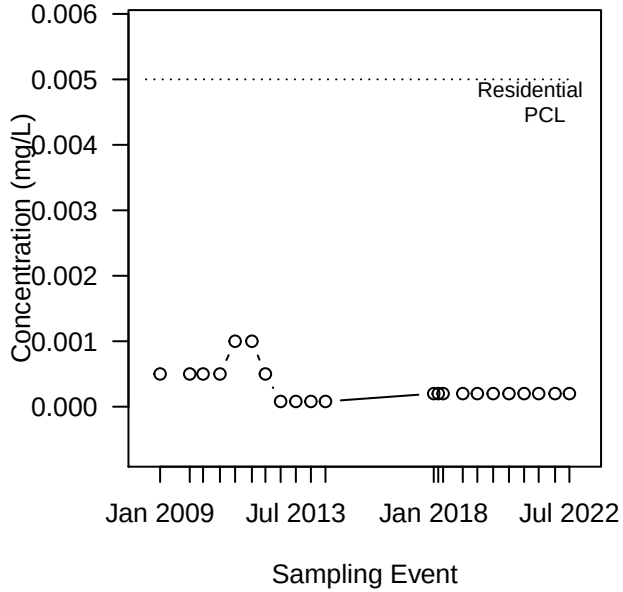
2−Methylnaphthalene (Det/N = 9/22)
No Trend
(p−value=0.351 and CV=1.5)



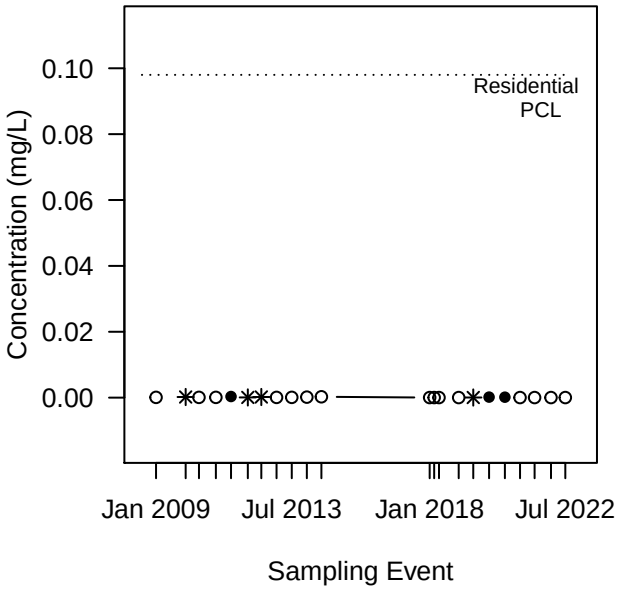
2,4−Dimethylphenol (Det/N = 1/21)
No Trend
(p−value=0.182 and CV=1.3)



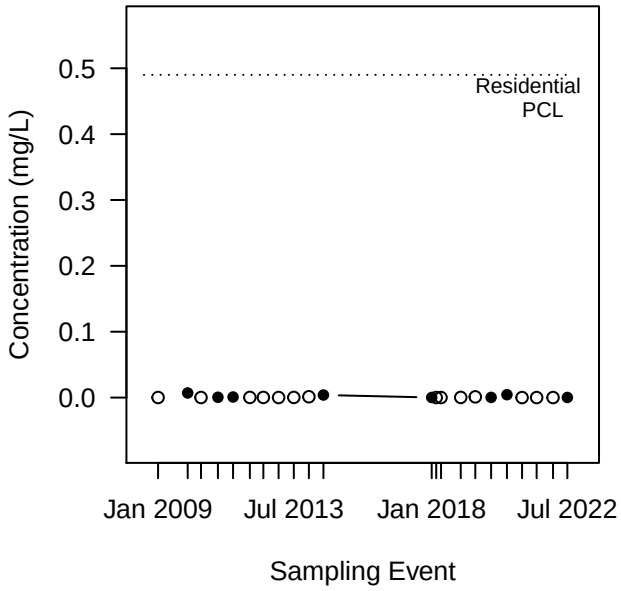
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 7/22)
Stable
(p−value=0.186 and CV=0.93)



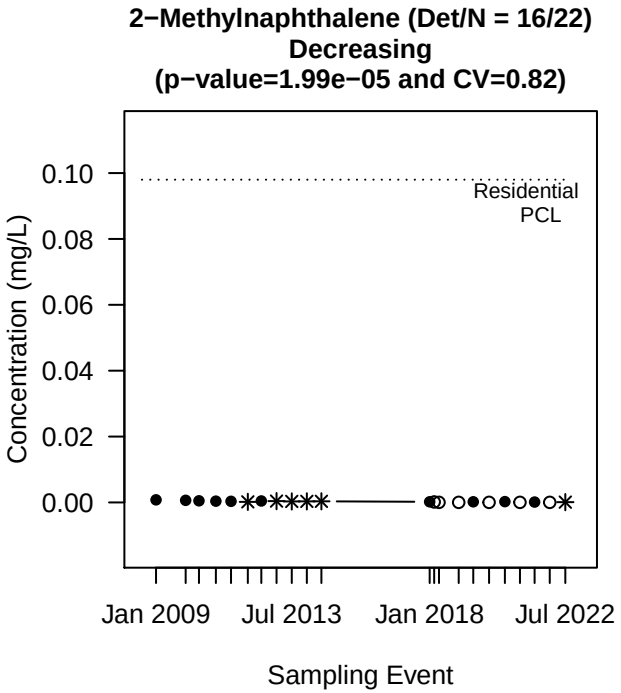
Naphthalene (Det/N = 8/22)
No Trend
(p−value=0.384 and CV=1.9)

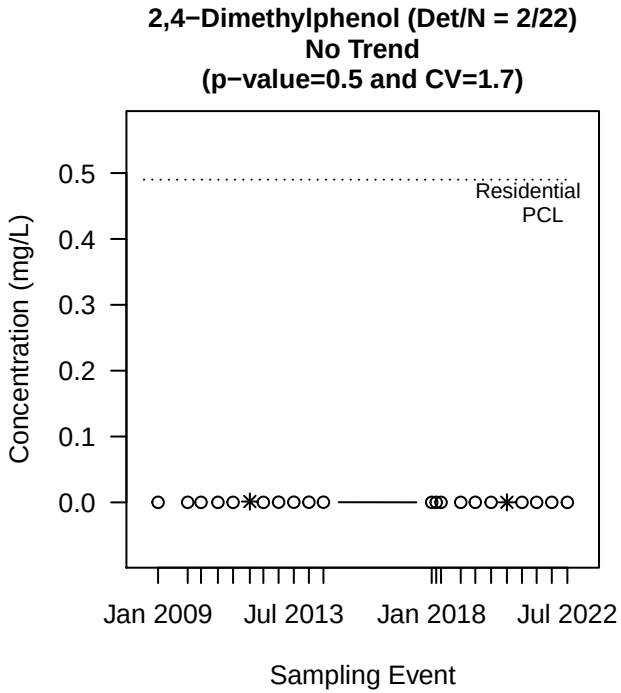


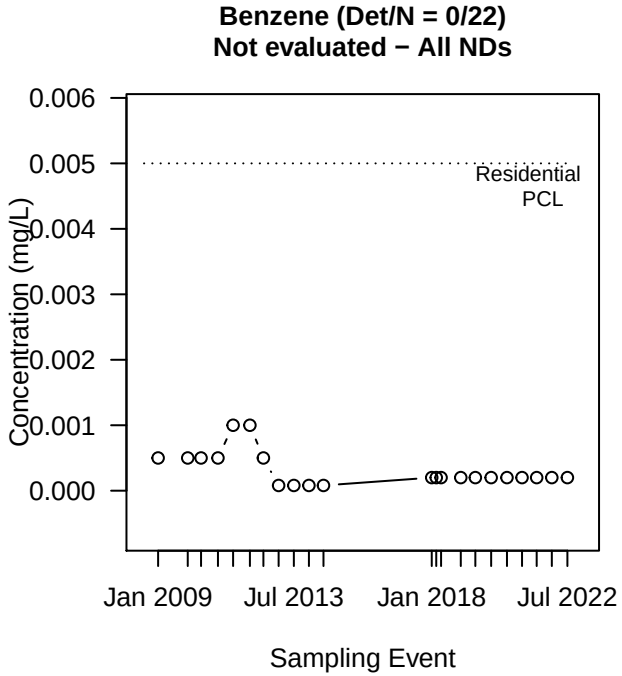
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

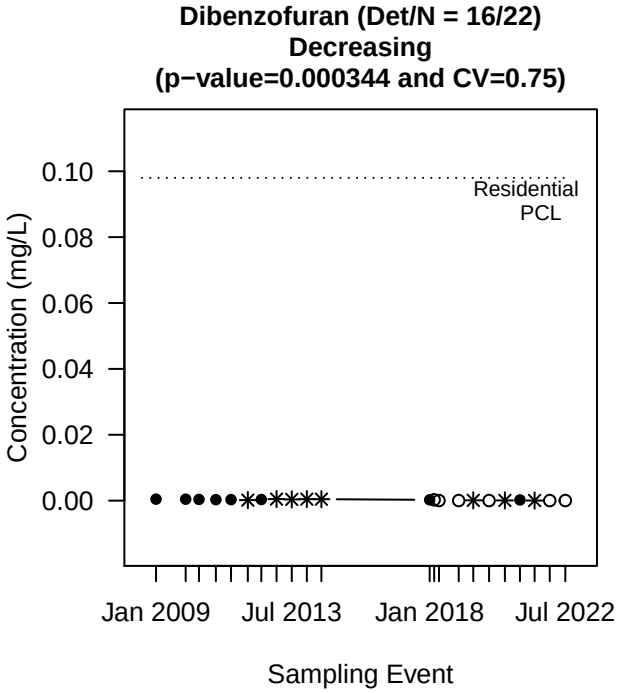
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

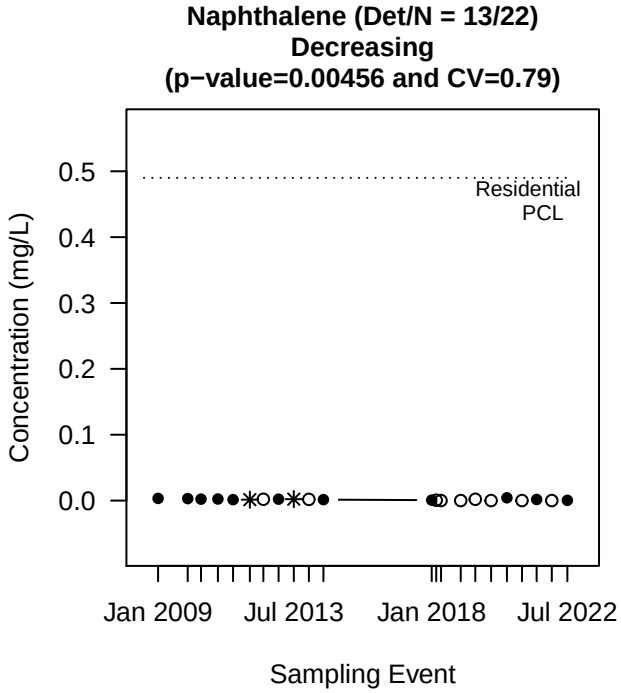
Mann−Kendall Trend Tests for MW−14

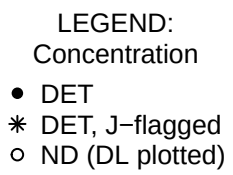








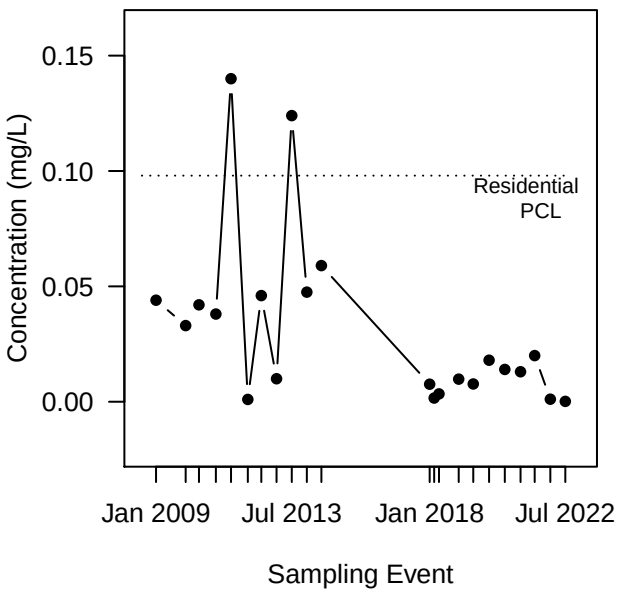




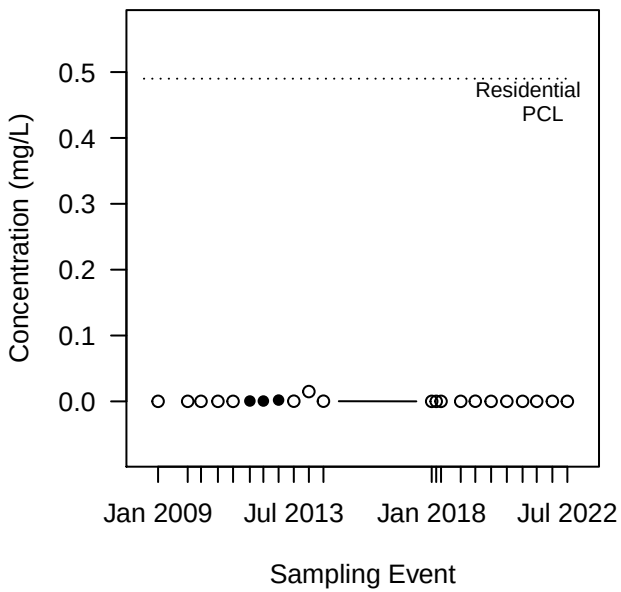
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−15A

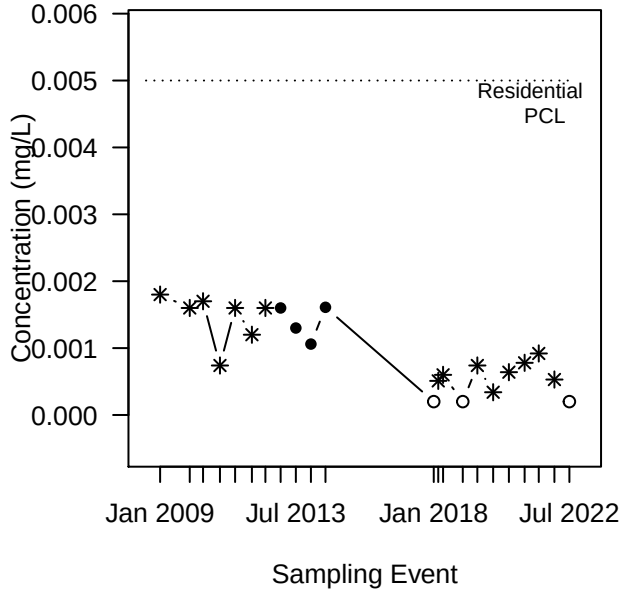
2−Methylnaphthalene (Det/N = 22/22)
Decreasing
(p−value=0.0185 and CV=1.2)



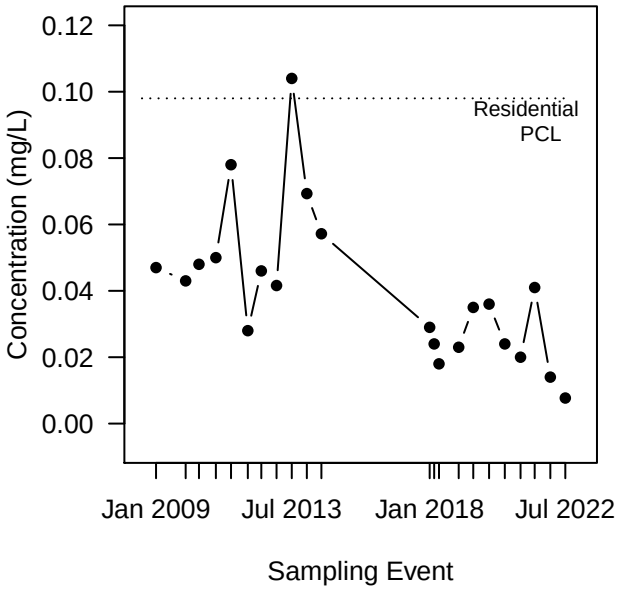
2,4−Dimethylphenol (Det/N = 3/22)
No Trend
(p−value=0.117 and CV=3.5)



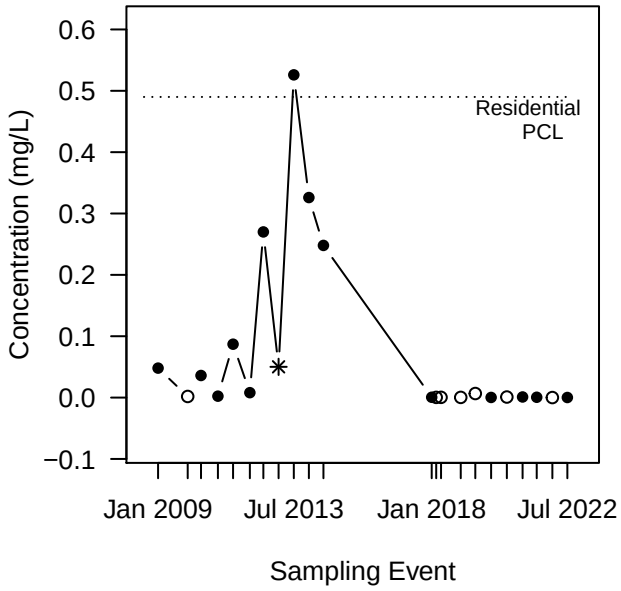
Benzene (Det/N = 19/22)
Decreasing
(p−value=0.000615 and CV=0.56)



Dibenzofuran (Det/N = 22/22)
Decreasing
(p−value=0.00087 and CV=0.56)



Naphthalene (Det/N = 15/22)
Decreasing
(p−value=0.0272 and CV=1.9)

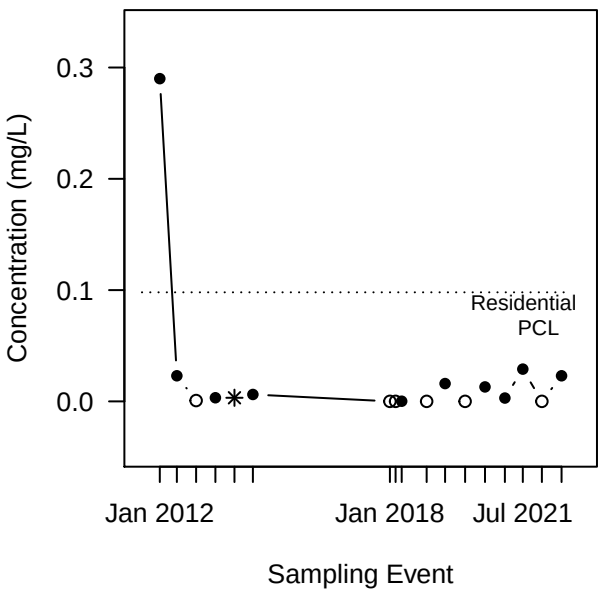


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

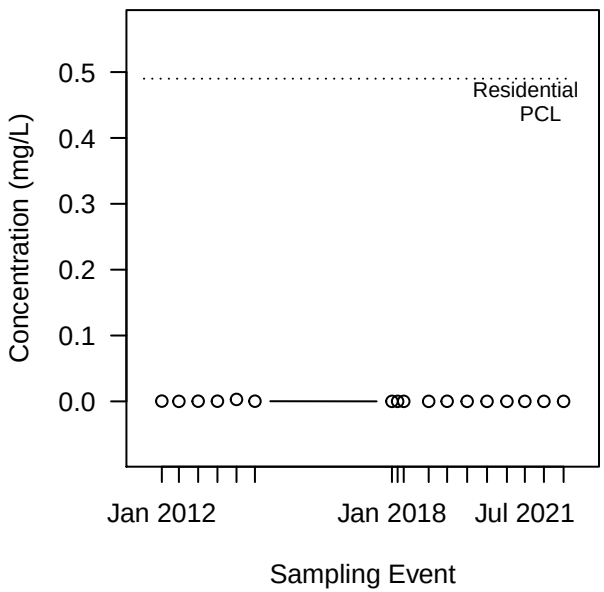
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−15B

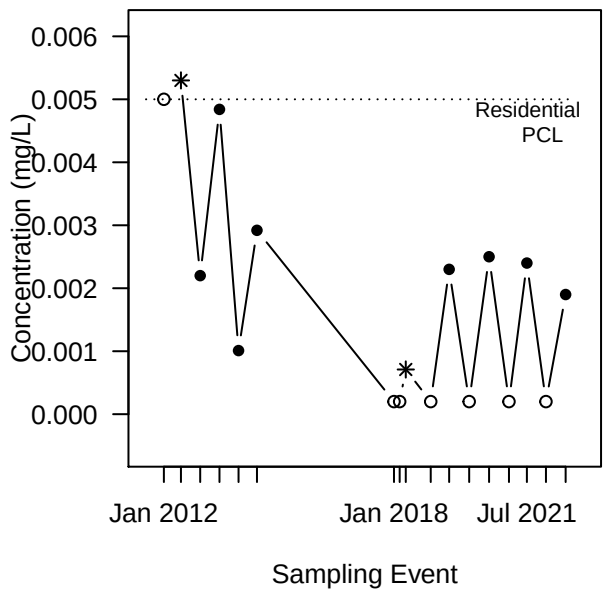
2−Methylnaphthalene (Det/N = 11/17)
No Trend
(p−value=0.416 and CV=2.9)



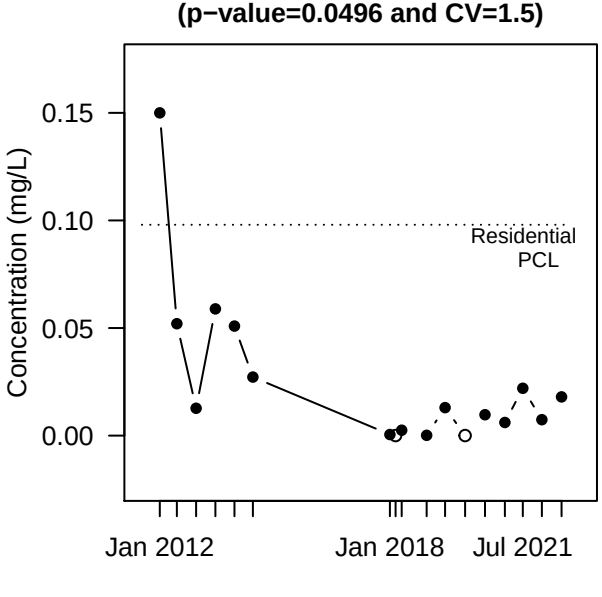
2,4−Dimethylphenol (Det/N = 0/17)
Not evaluated − All NDs



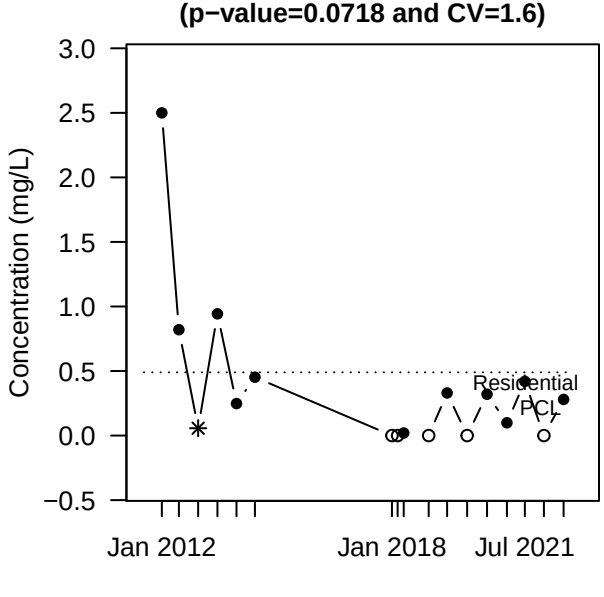
Benzene (Det/N = 10/17)
Stable
(p−value=0.173 and CV=0.94)



Dibenzofuran (Det/N = 15/17)
Decreasing
(p−value=0.0496 and CV=1.5)



Naphthalene (Det/N = 12/17)
Probably Decreasing
(p−value=0.0718 and CV=1.6)

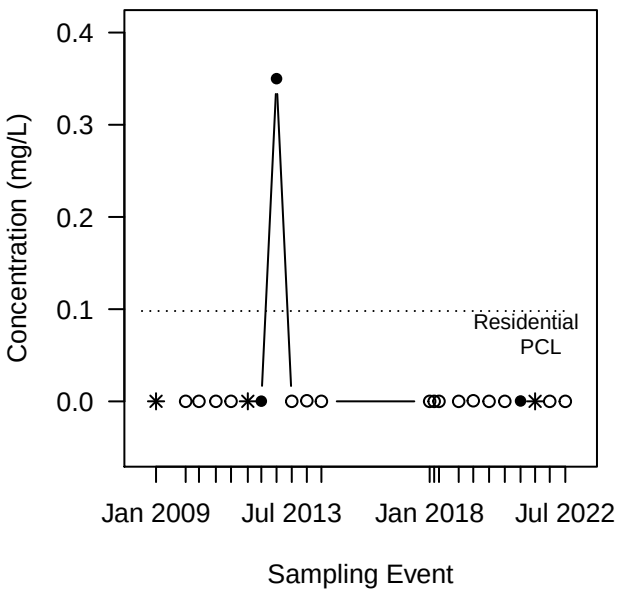


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

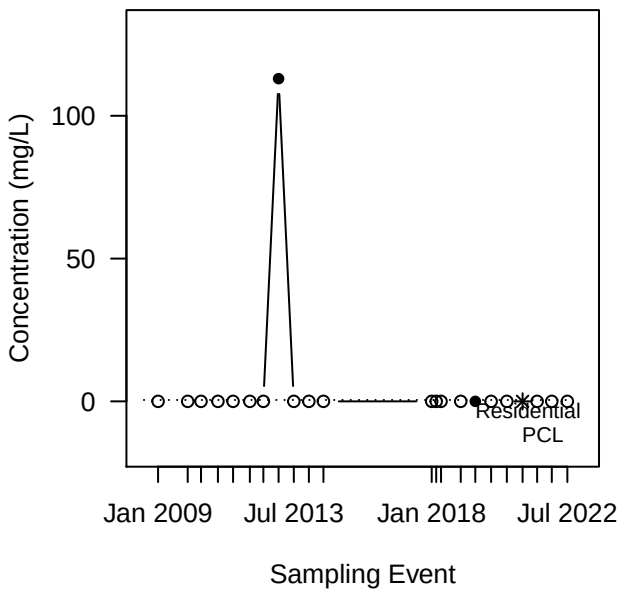
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−15C

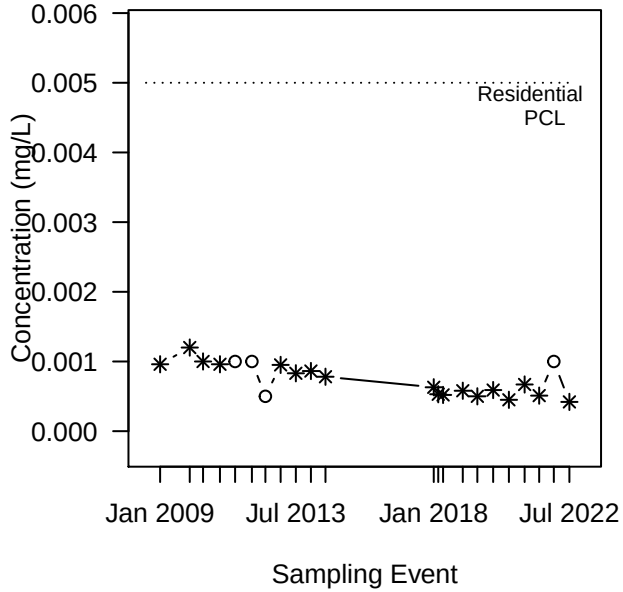
2−Methylnaphthalene (Det/N = 6/22)
No Trend
(p−value=0.332 and CV=4.7)



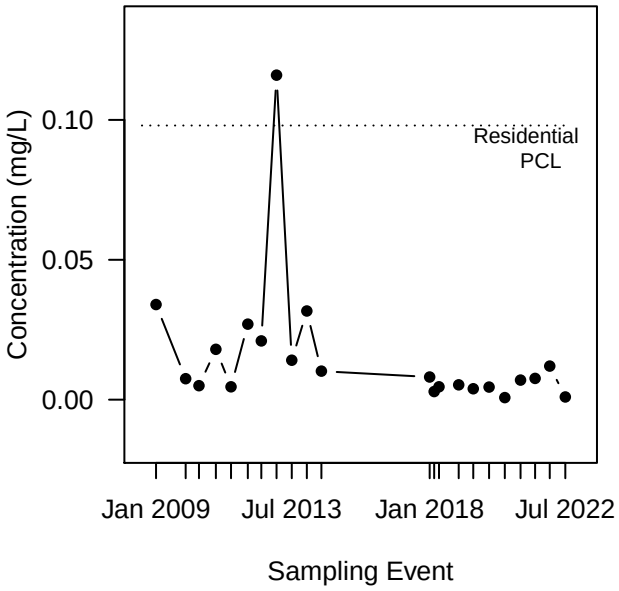
2,4−Dimethylphenol (Det/N = 3/22)
No Trend
(p−value=0.268 and CV=4.7)



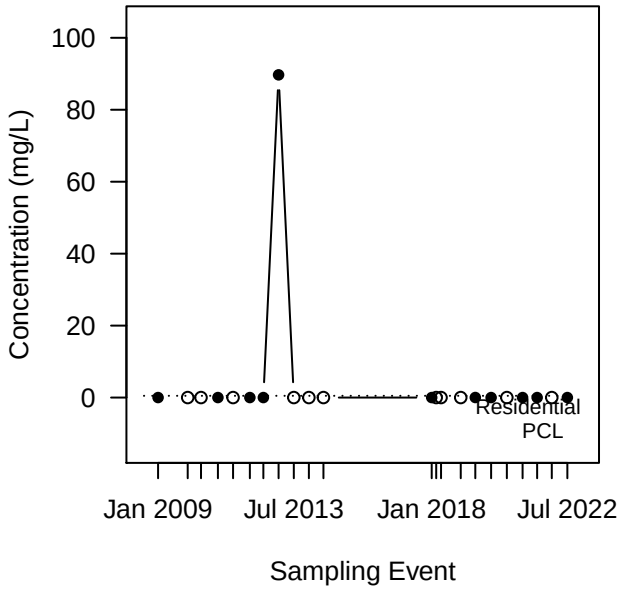
Benzene (Det/N = 18/22)
Decreasing
(p−value=0.00212 and CV=0.31)



Dibenzofuran (Det/N = 22/22)
Decreasing
(p−value=0.00961 and CV=1.5)



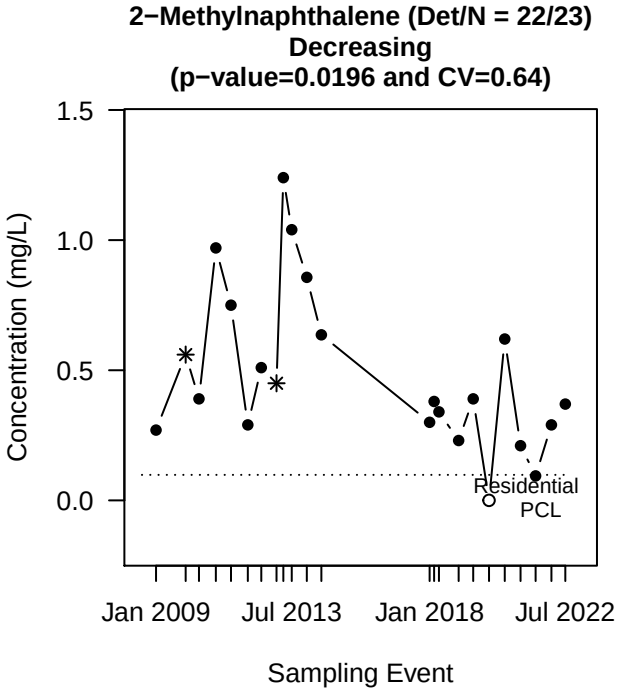
Naphthalene (Det/N = 11/22)
No Trend
(p−value=0.5 and CV=4.7)

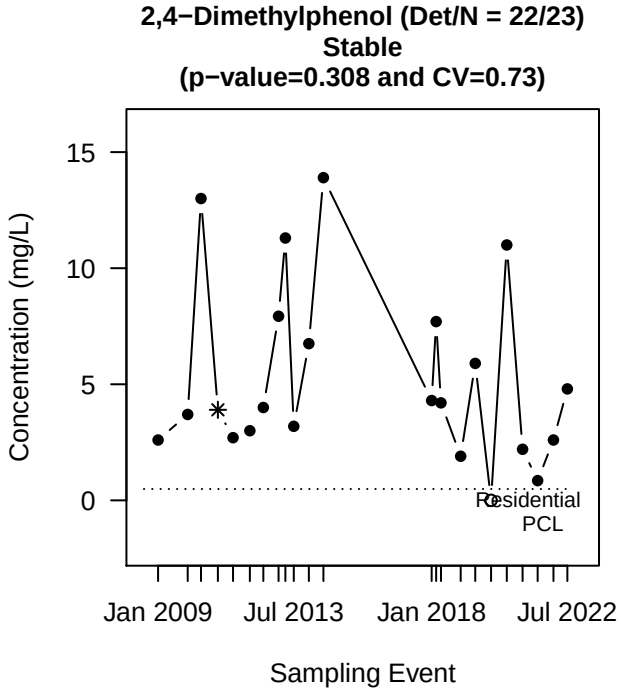


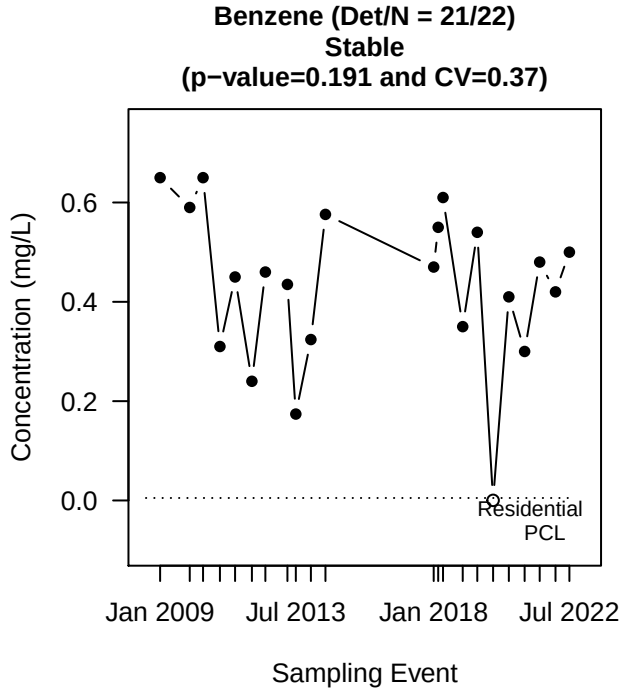
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

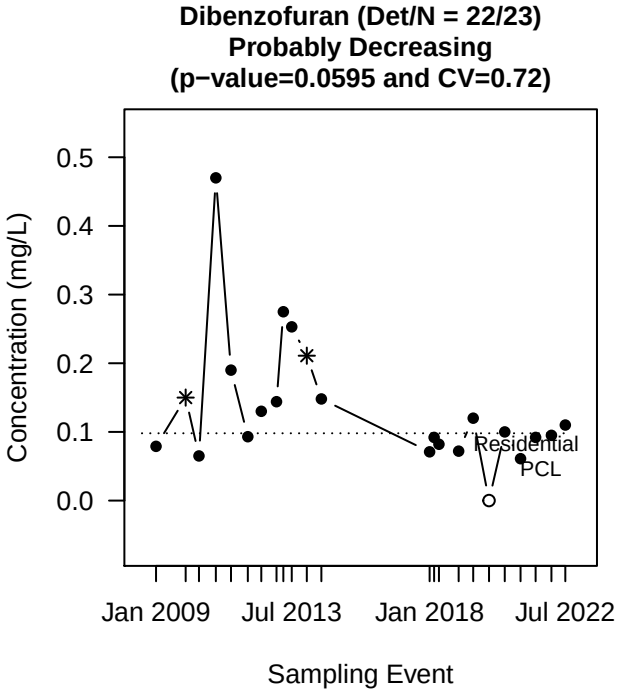
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

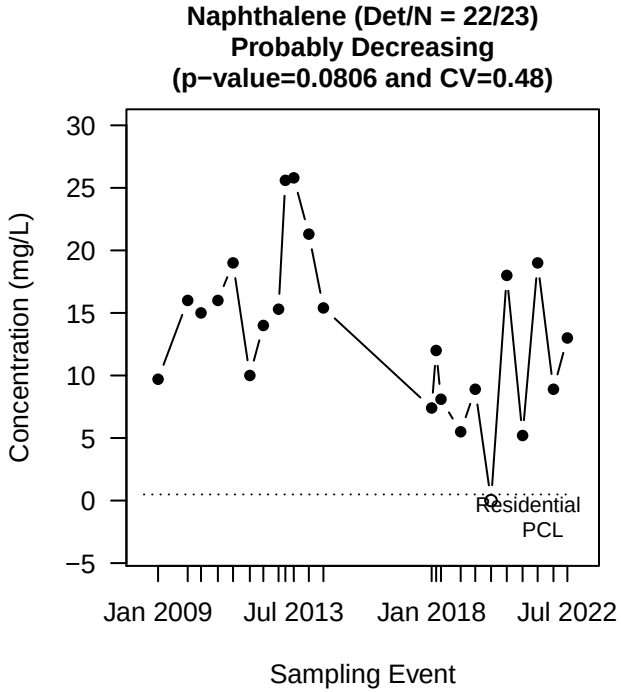
Mann−Kendall Trend Tests for MW−17







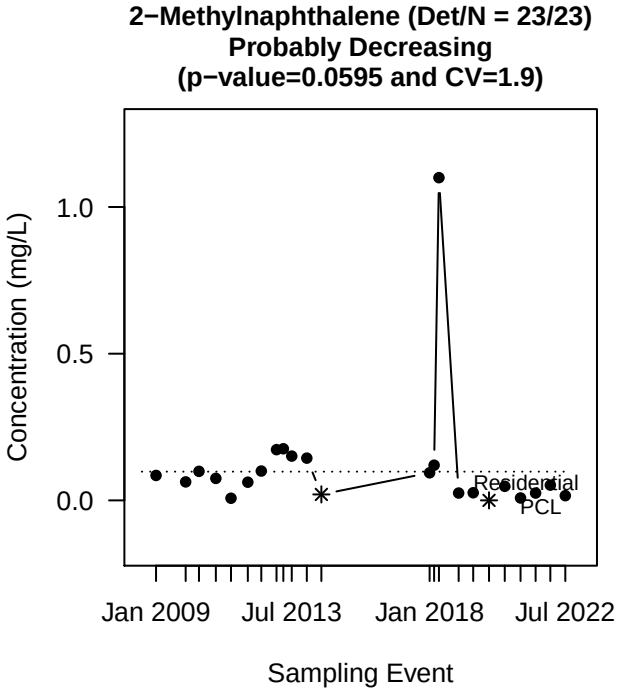


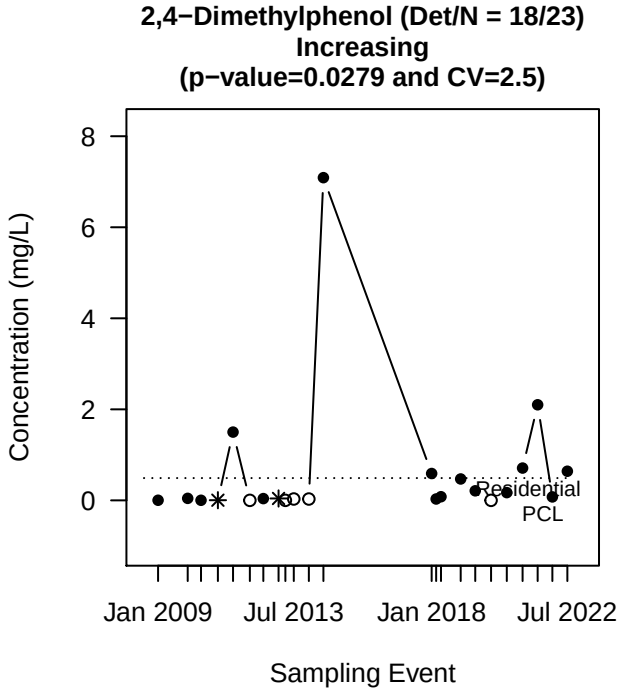


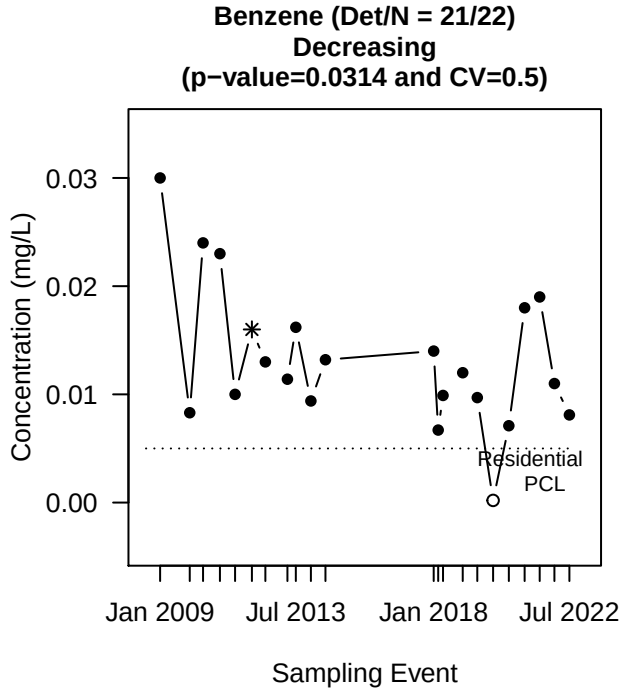
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

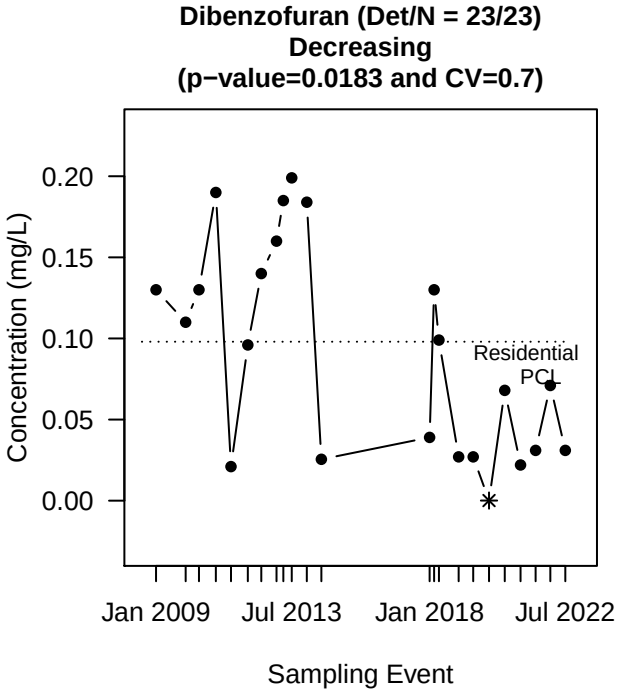
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

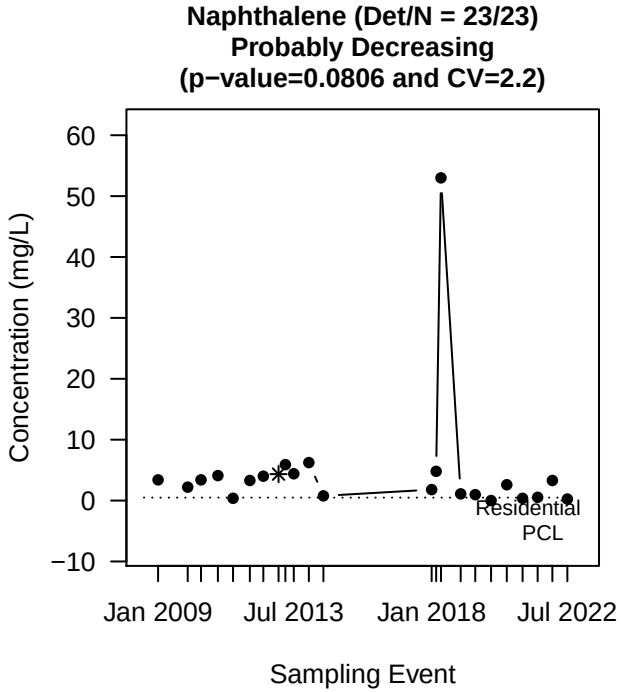
Mann−Kendall Trend Tests for MW−17C









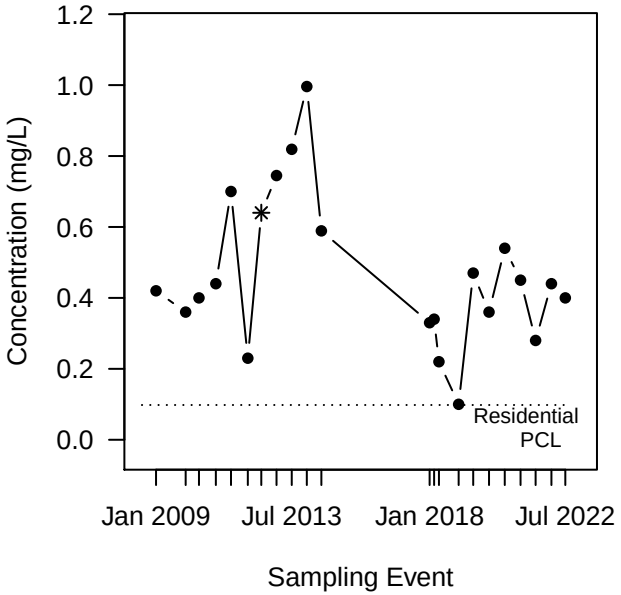


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

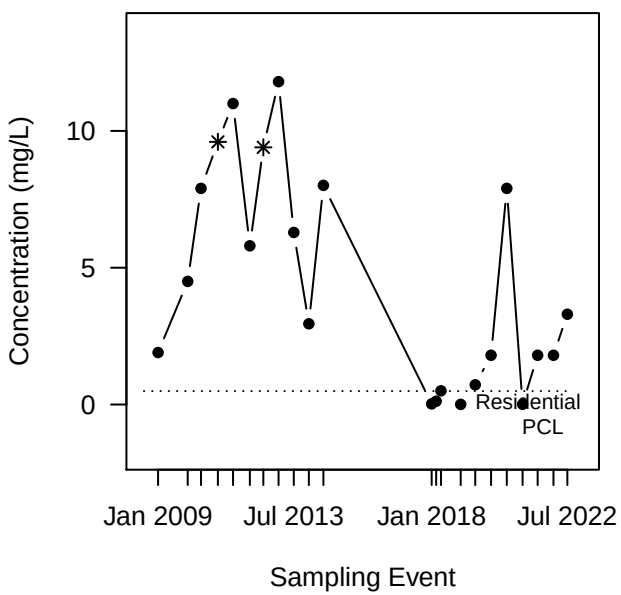
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−18A

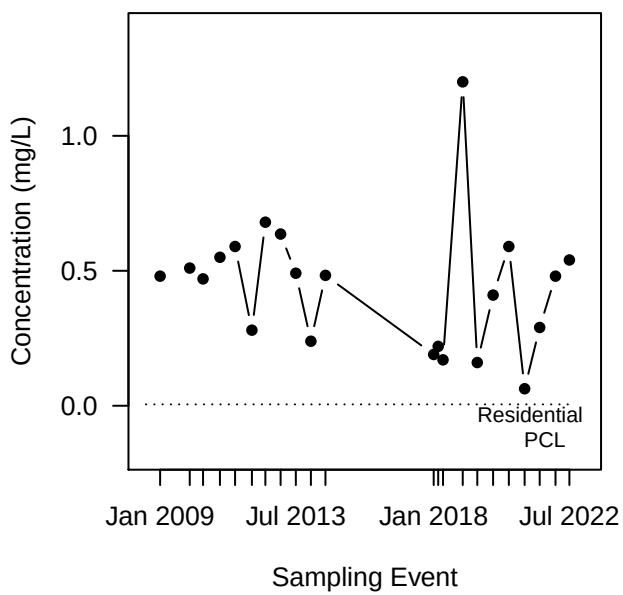
2−Methylnaphthalene (Det/N = 22/22)
Stable
(p−value=0.24 and CV=0.45)



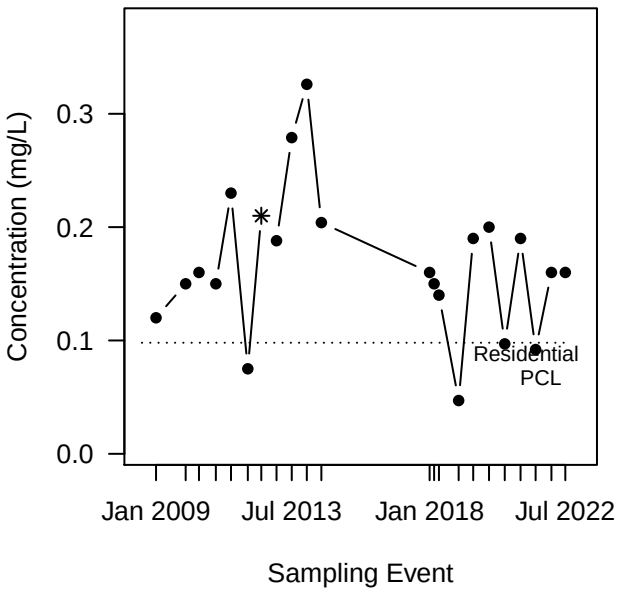
2,4−Dimethylphenol (Det/N = 22/22)
Decreasing
(p−value=0.0311 and CV=0.9)



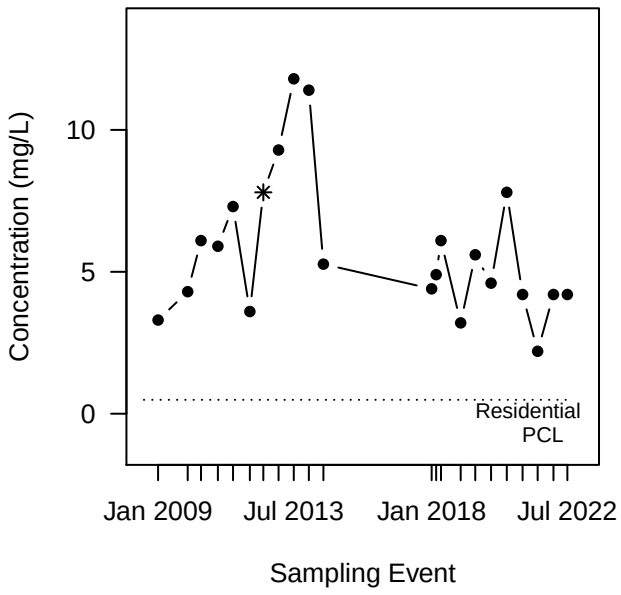
Benzene (Det/N = 22/22)
Stable
(p−value=0.118 and CV=0.55)



Dibenzofuran (Det/N = 22/22)
Stable
(p−value=0.346 and CV=0.38)



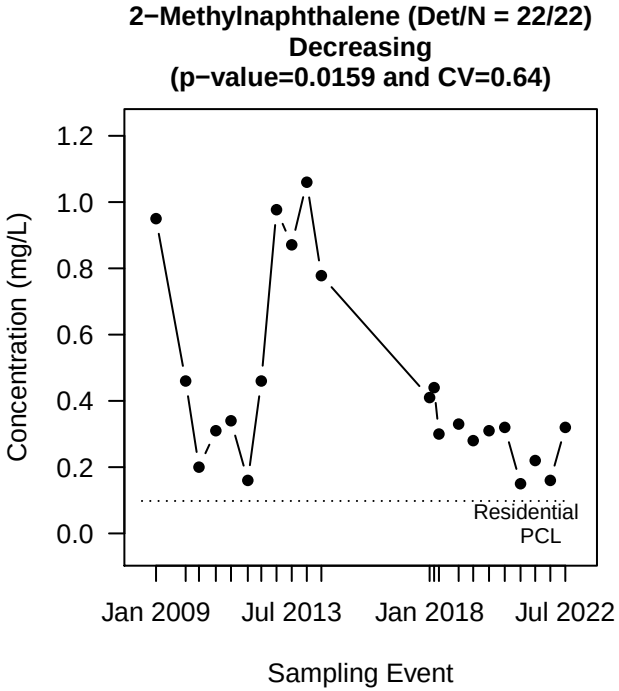
Naphthalene (Det/N = 22/22)
Stable
(p−value=0.123 and CV=0.44)

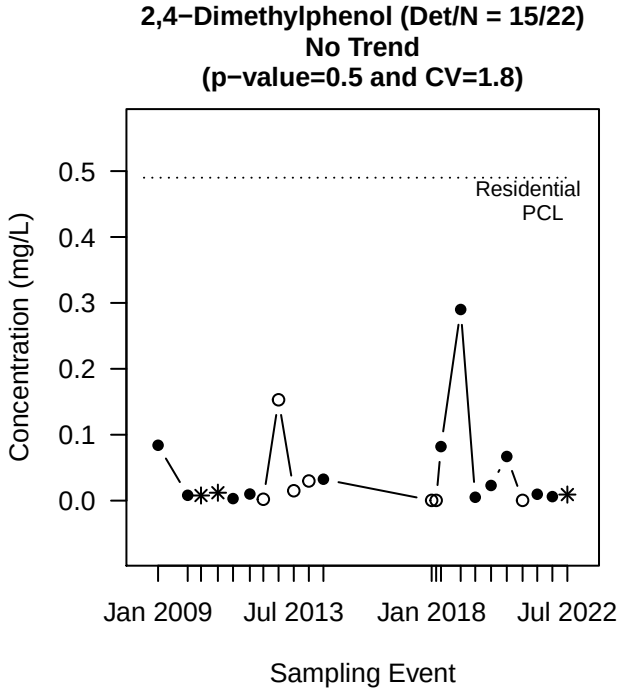


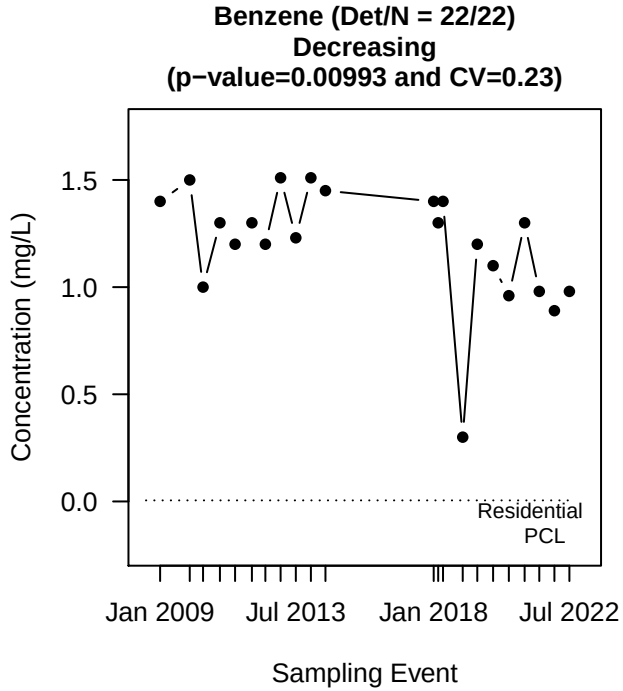
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

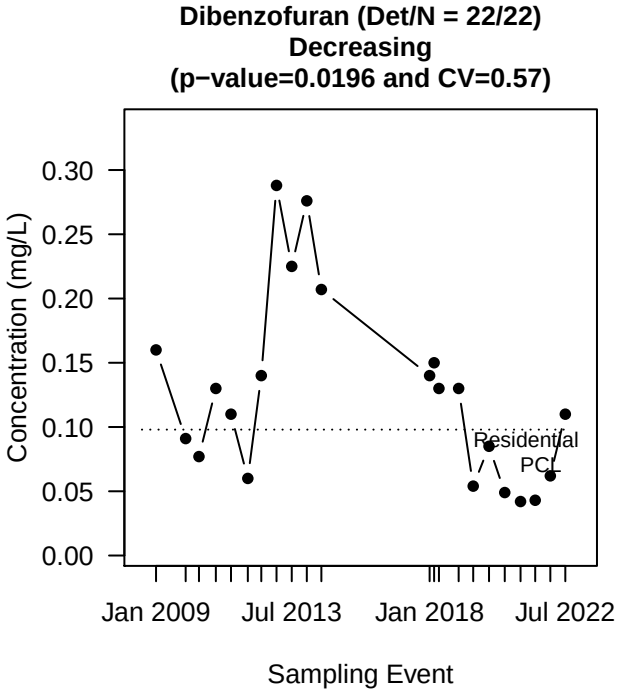
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

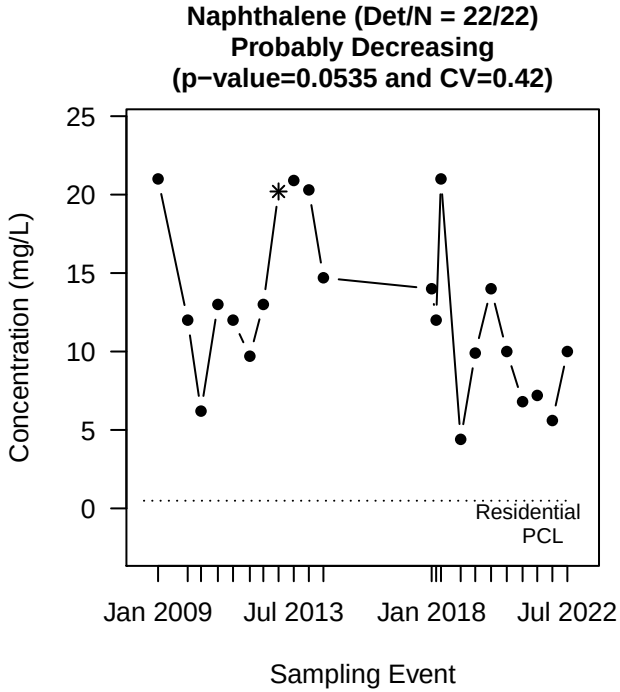
Mann−Kendall Trend Tests for MW−18C







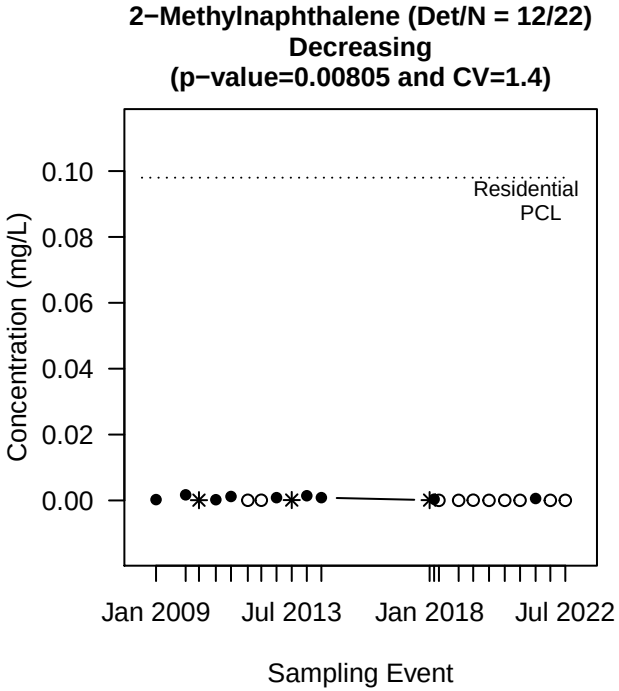


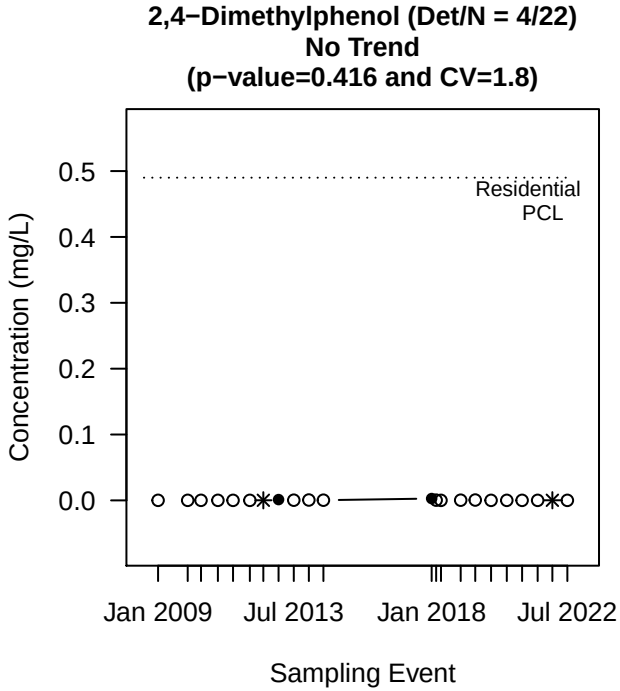


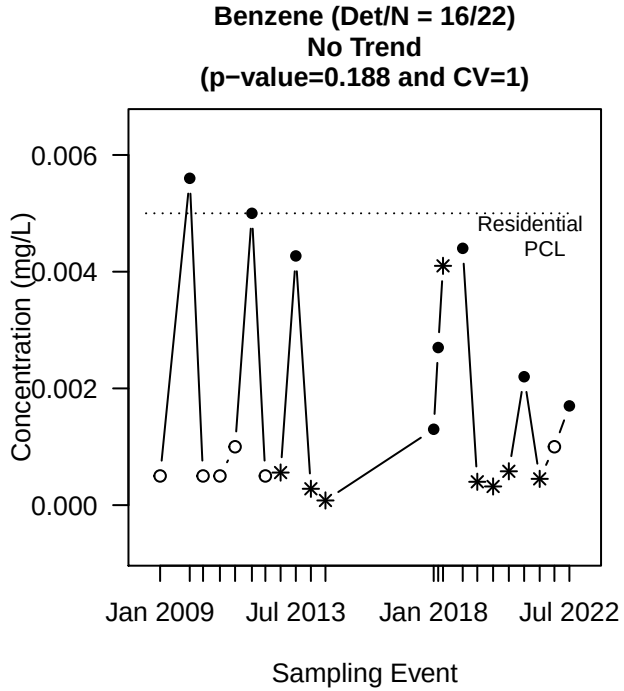
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

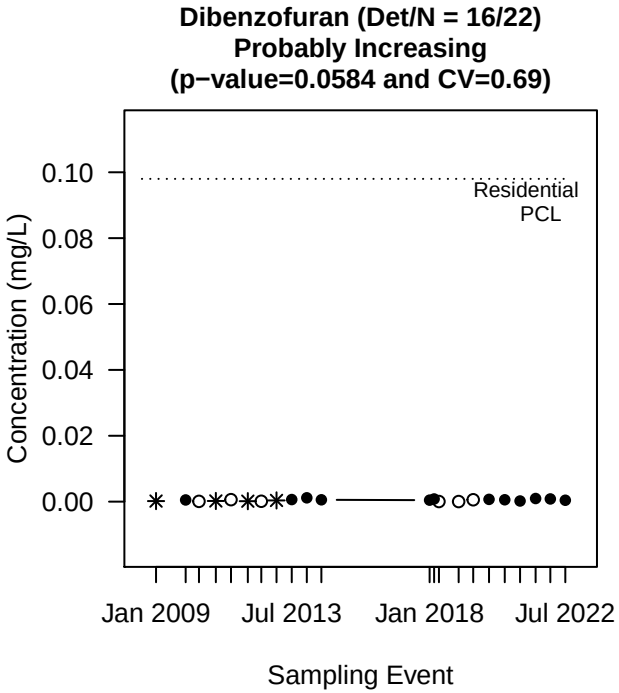
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

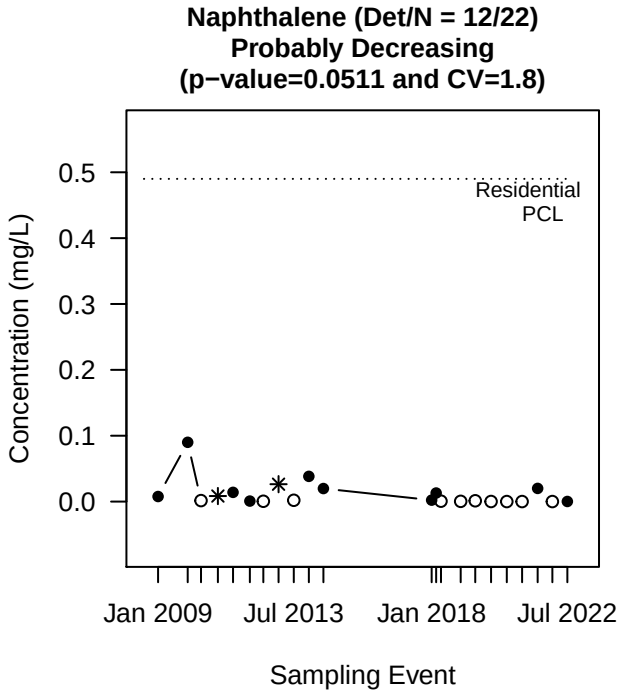
Mann−Kendall Trend Tests for MW−19C







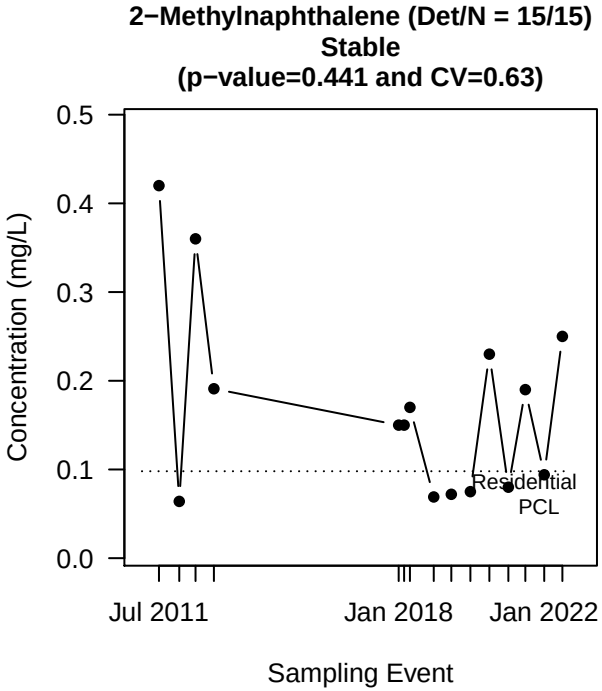


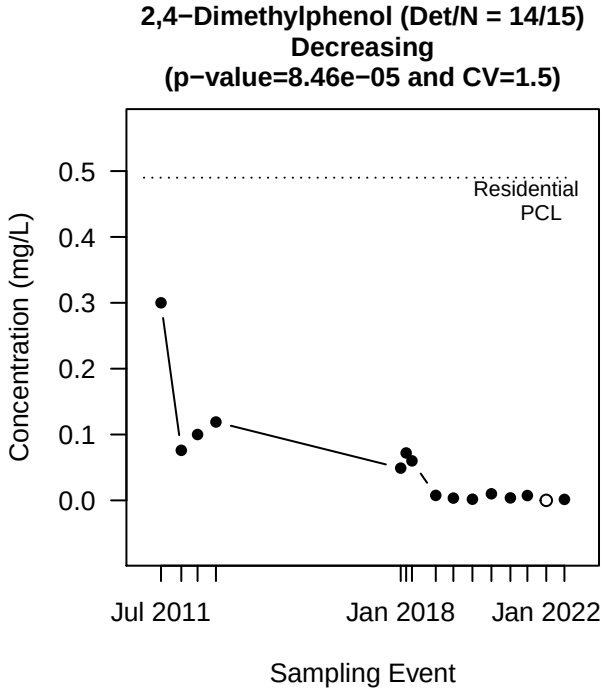


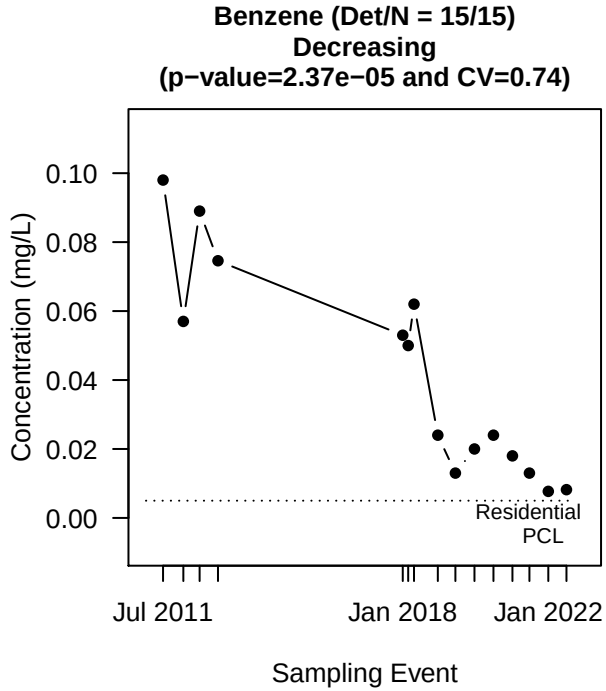
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

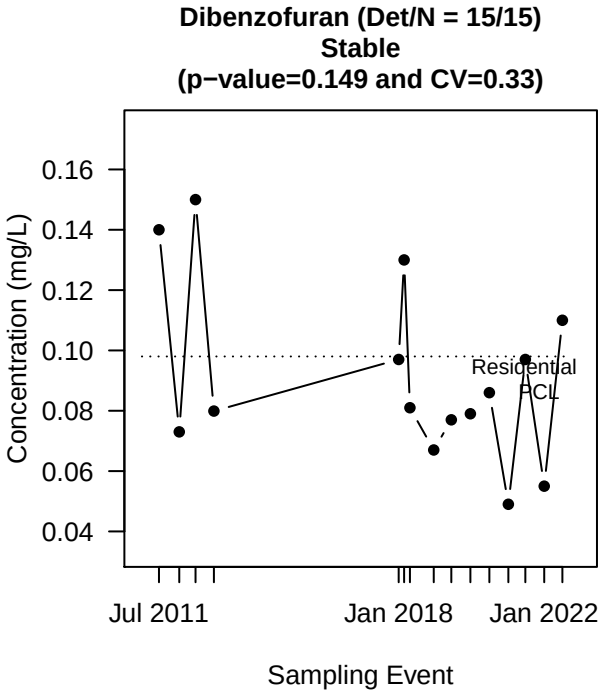
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

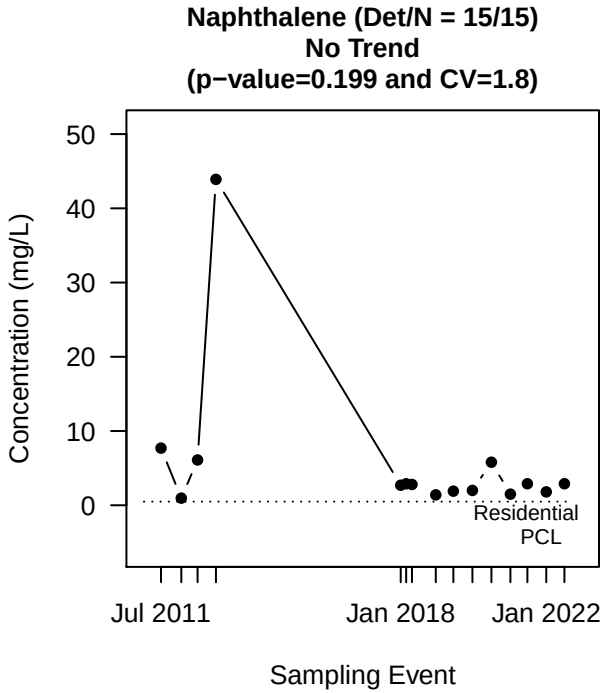
Mann−Kendall Trend Tests for MW−20A









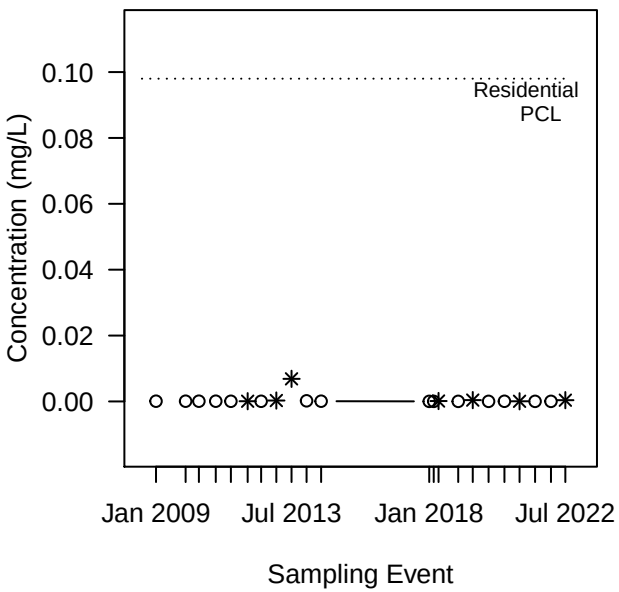


LEGEND:
Concentration
- DET
- ND (DL plotted)

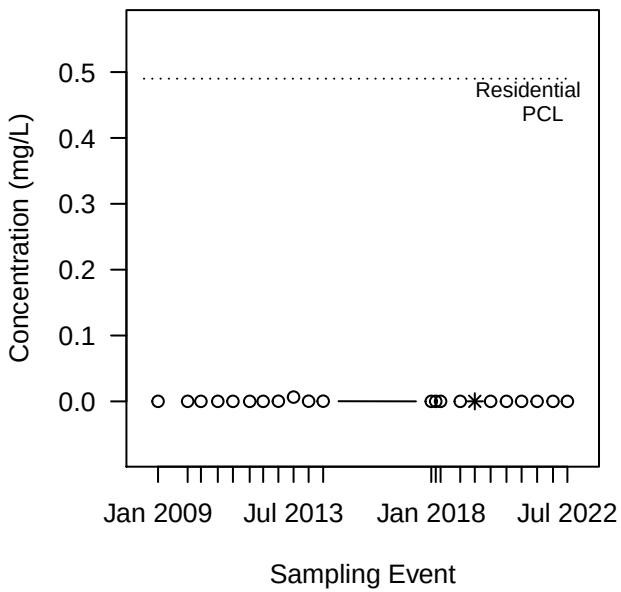
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−21C

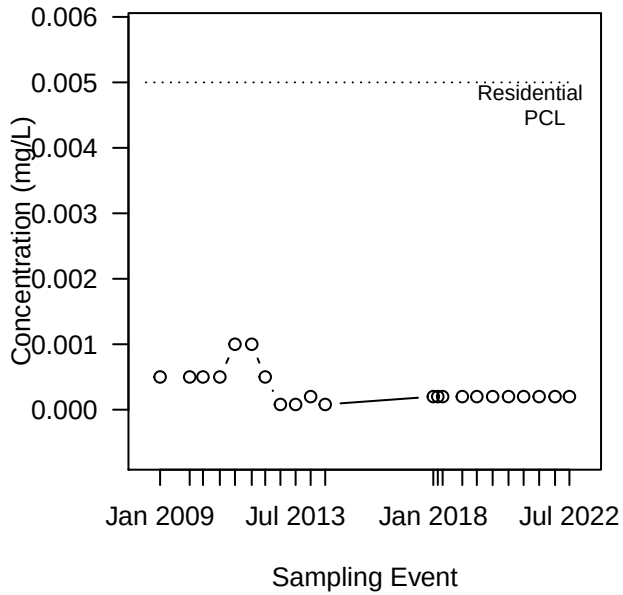
2−Methylnaphthalene (Det/N = 7/22)
No Trend
(p−value=0.177 and CV=3.6)



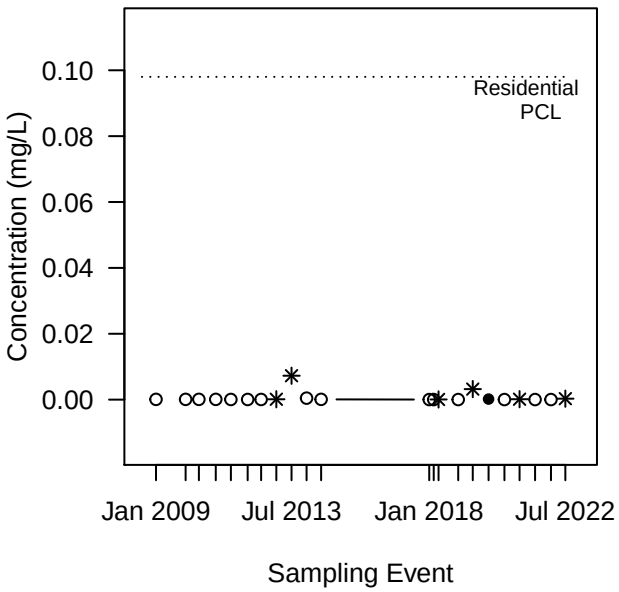
2,4−Dimethylphenol (Det/N = 1/22)
No Trend
(p−value=0.264 and CV=3.6)



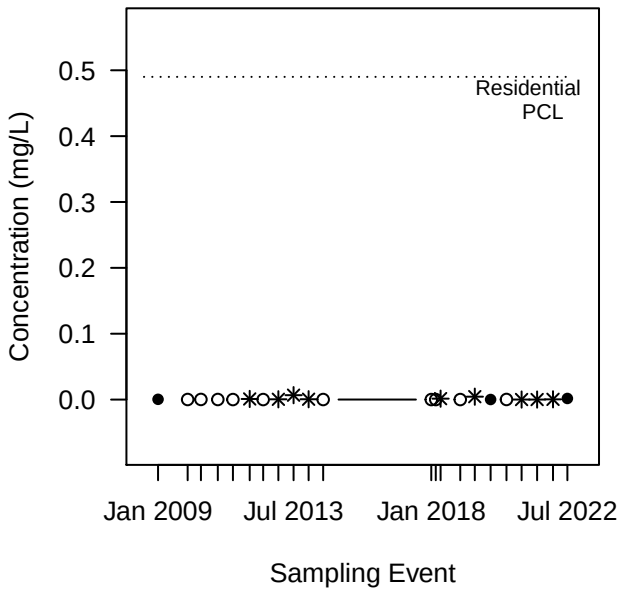
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 7/22)
Increasing
(p−value=0.0463 and CV=2.9)



Naphthalene (Det/N = 12/22)
No Trend
(p−value=0.123 and CV=2)

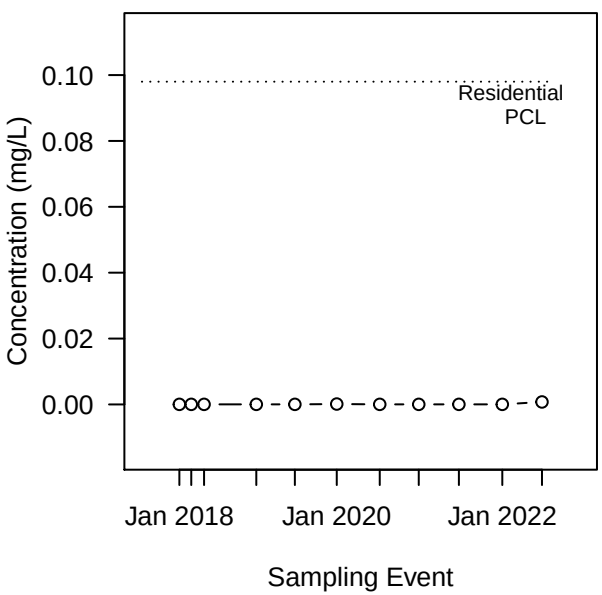


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

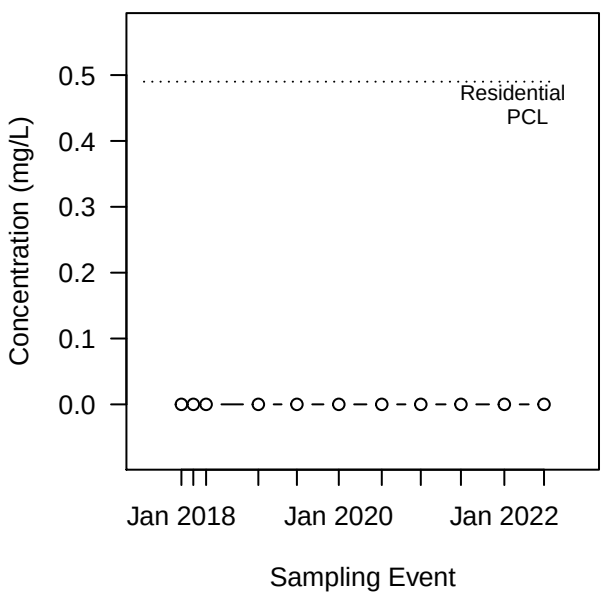
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−22AR

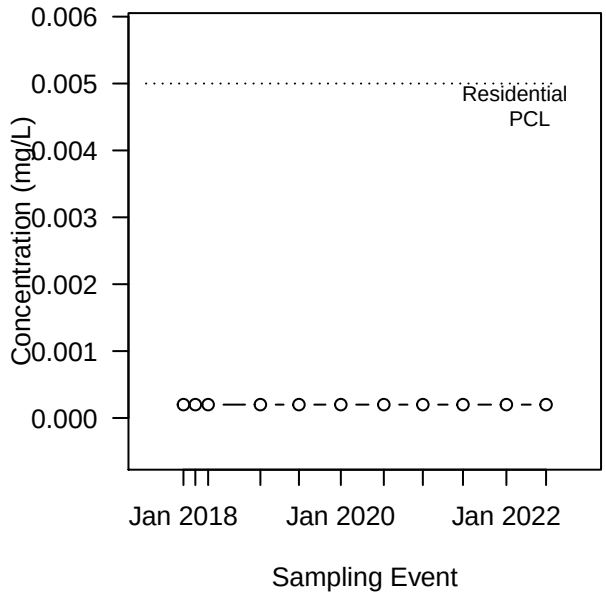
2−Methylnaphthalene (Det/N = 0/11)
Not evaluated − All NDs



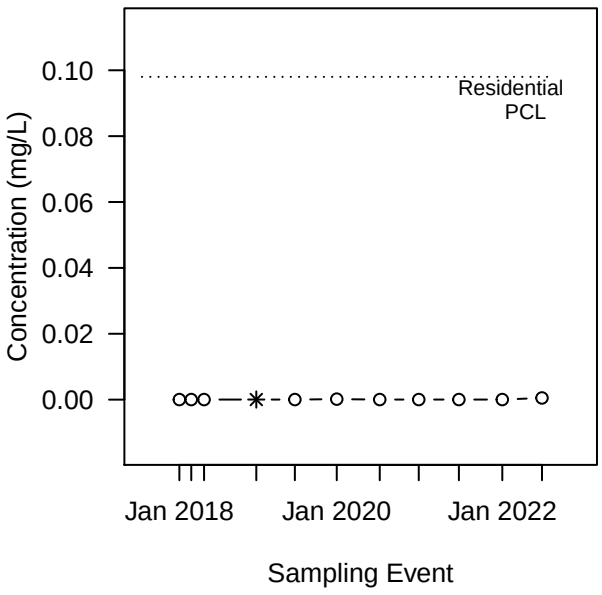
2,4−Dimethylphenol (Det/N = 0/11)
Not evaluated − All NDs



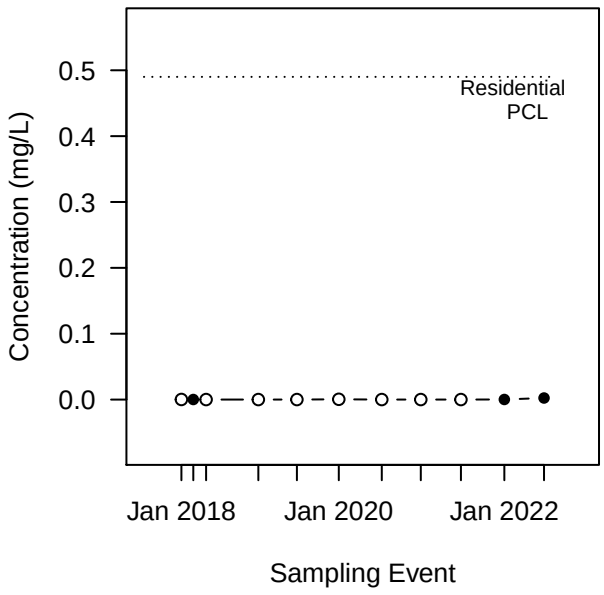
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/11)
No Trend
(p−value=0.318 and CV=1.9)



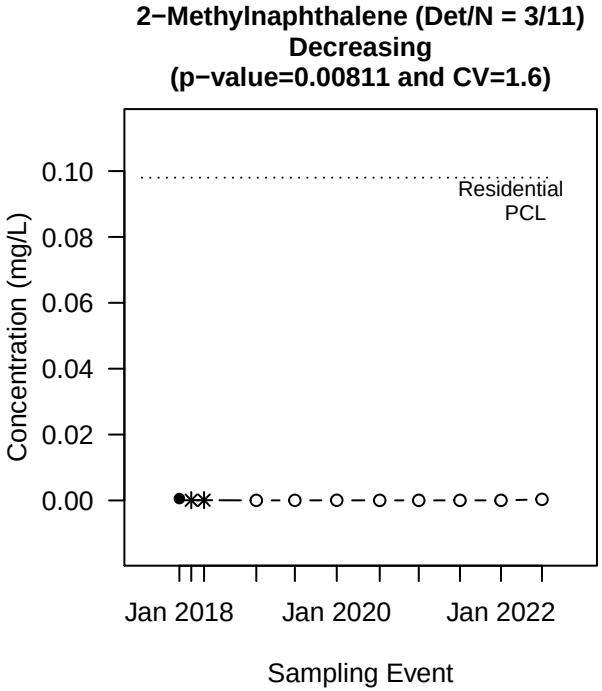
Naphthalene (Det/N = 3/11)
No Trend
(p−value=0.115 and CV=2.3)

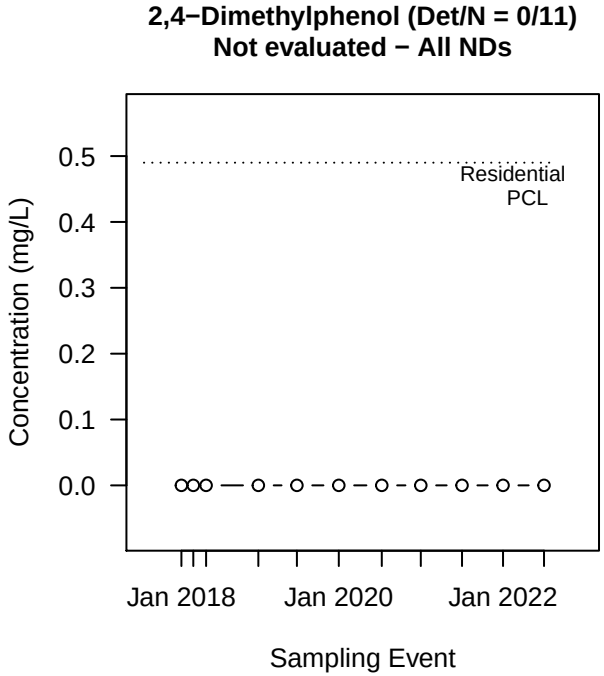


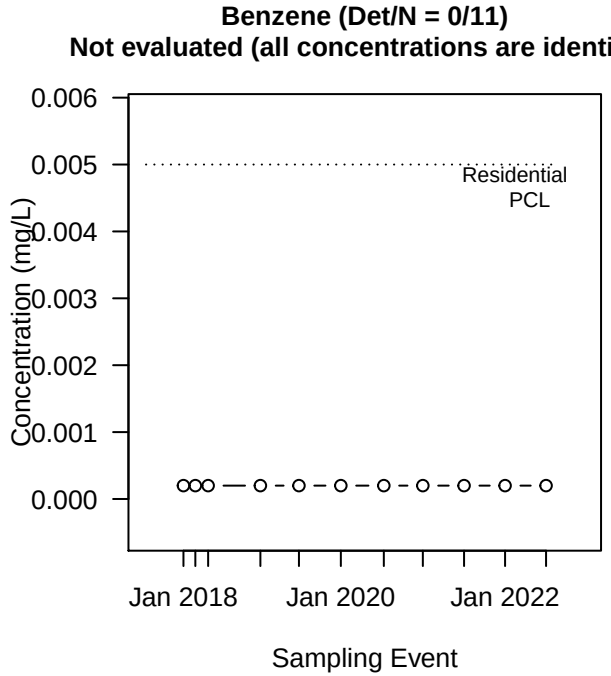
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

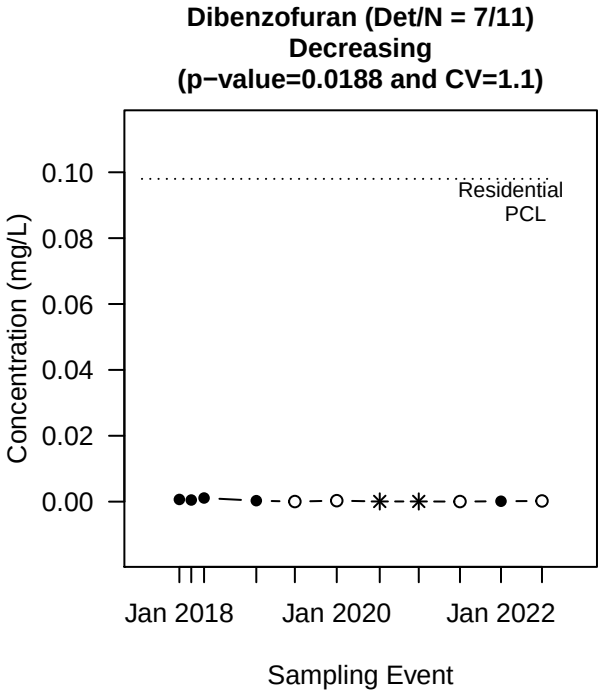
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

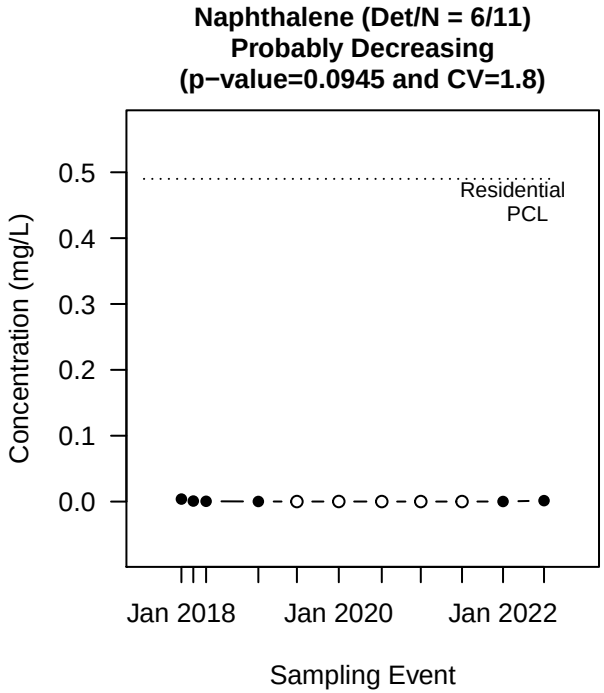
Mann−Kendall Trend Tests for MW−22BR









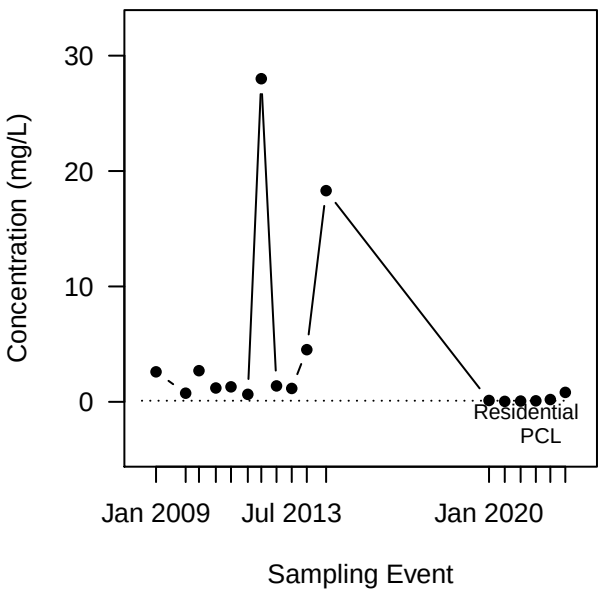


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

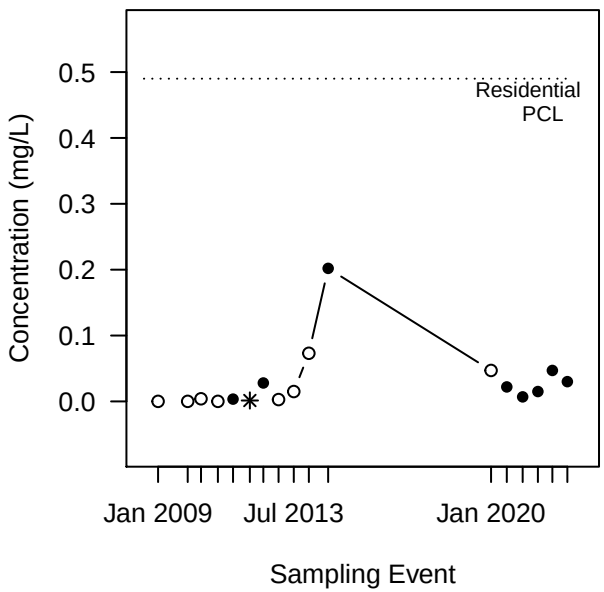
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−23C

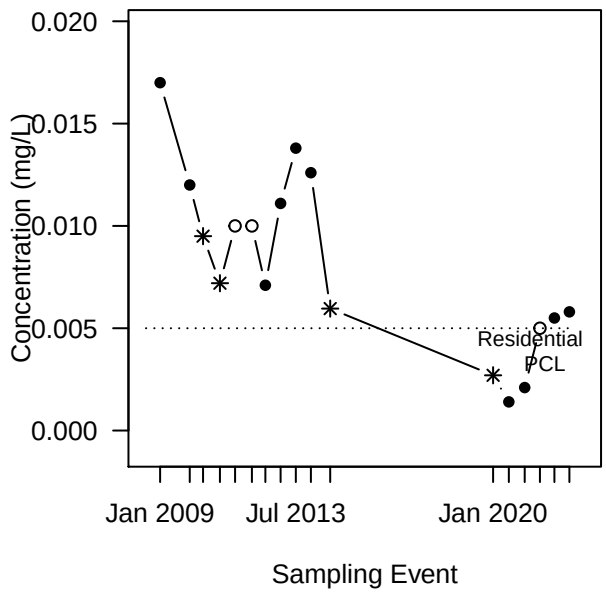
2−Methylnaphthalene (Det/N = 17/17)
Probably Decreasing
(p−value=0.0541 and CV=2)



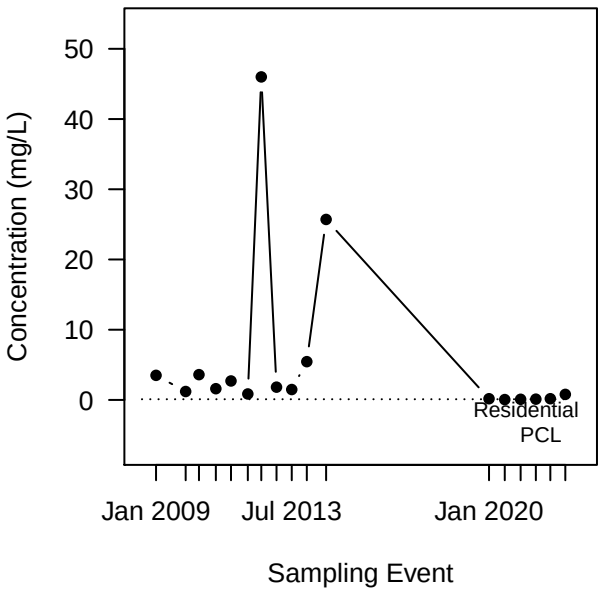
2,4−Dimethylphenol (Det/N = 9/17)
Increasing
(p−value=0.00639 and CV=1.7)



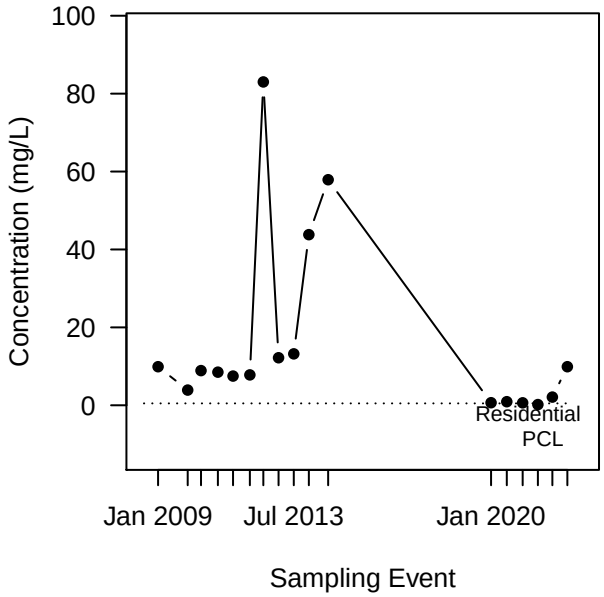
Benzene (Det/N = 14/17)
Decreasing
(p−value=0.0287 and CV=0.53)



Dibenzofuran (Det/N = 17/17)
Decreasing
(p−value=0.0289 and CV=2.1)



Naphthalene (Det/N = 17/17)
No Trend
(p−value=0.182 and CV=1.5)



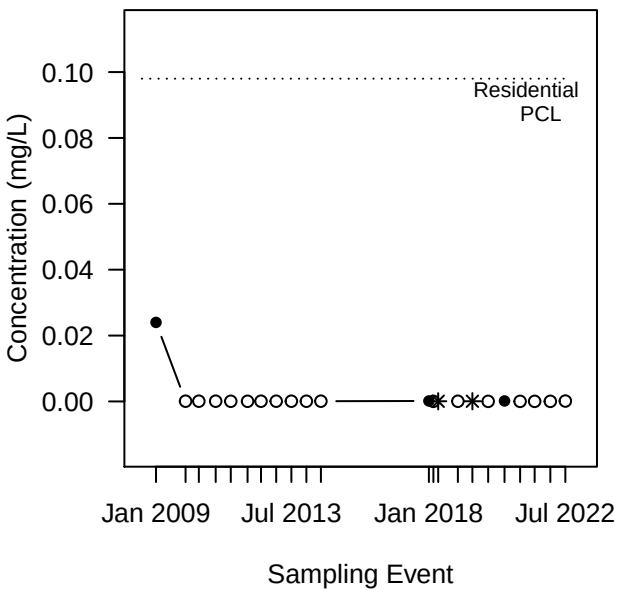
LEGEND:
Concentration

- DET
- DET, J−flagged
- ND (DL plotted)

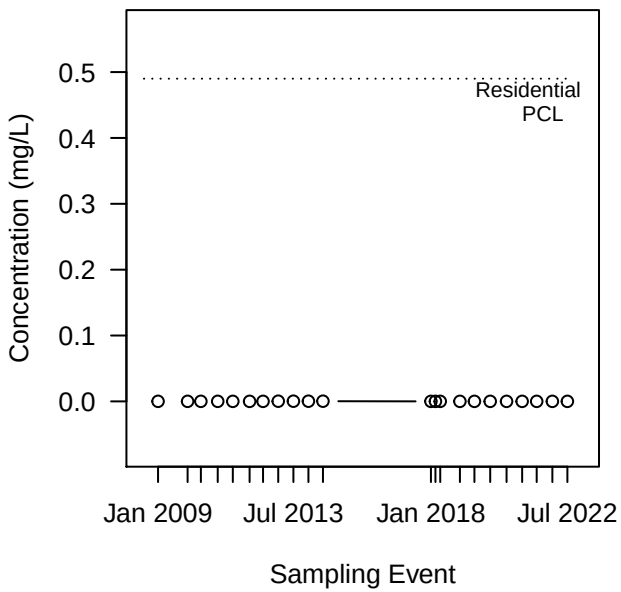
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−25A

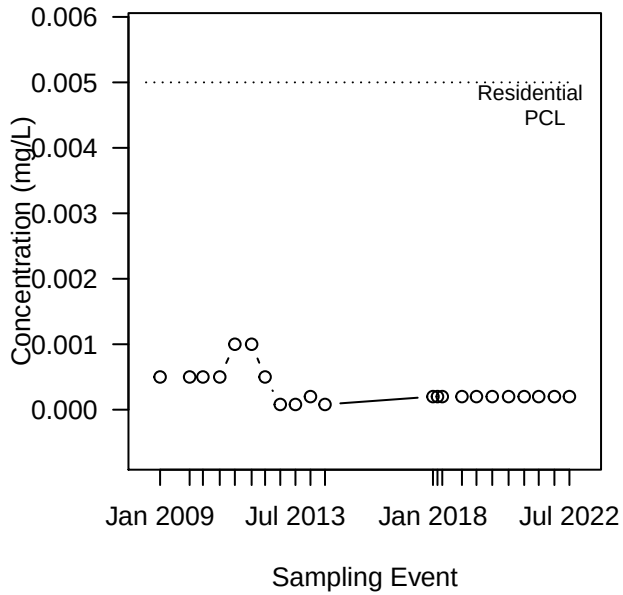
2−Methylnaphthalene (Det/N = 5/22)
No Trend
(p−value=0.439 and CV=4.4)



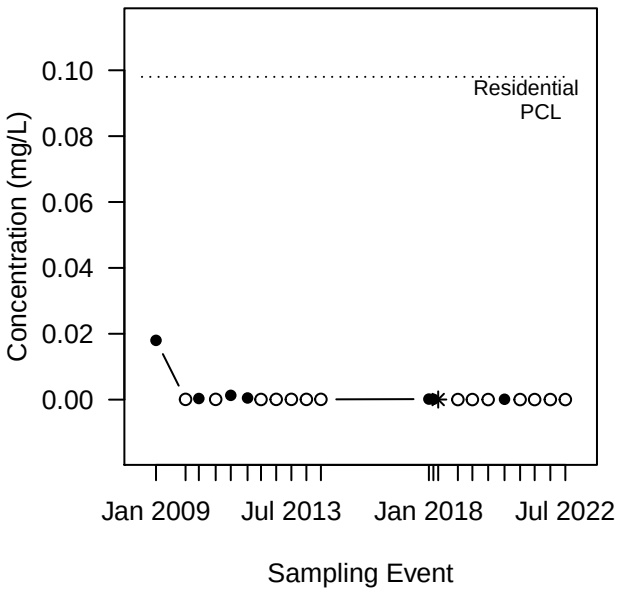
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



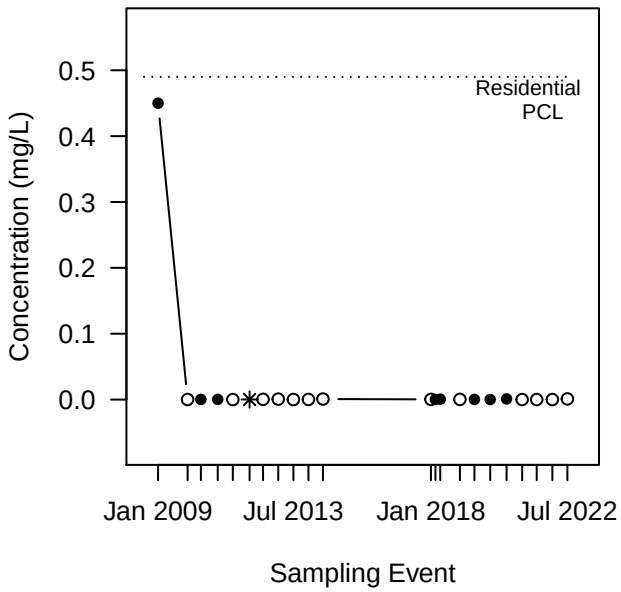
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 8/22)
Decreasing
(p−value=0.0241 and CV=4)



Naphthalene (Det/N = 9/22)
No Trend
(p−value=0.187 and CV=4.6)

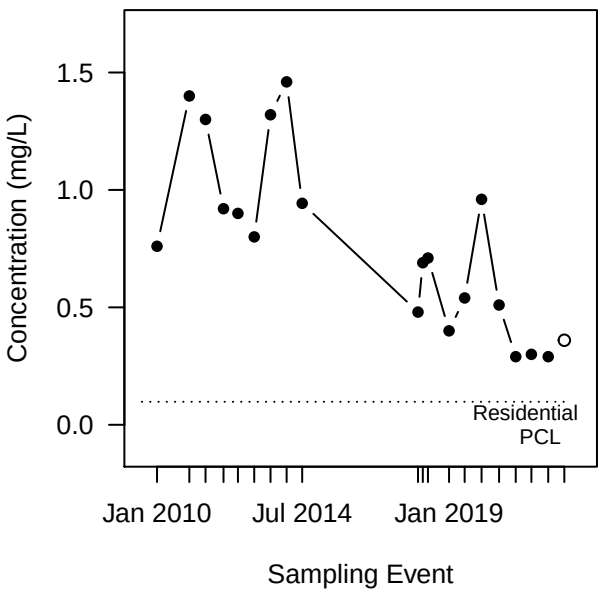


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

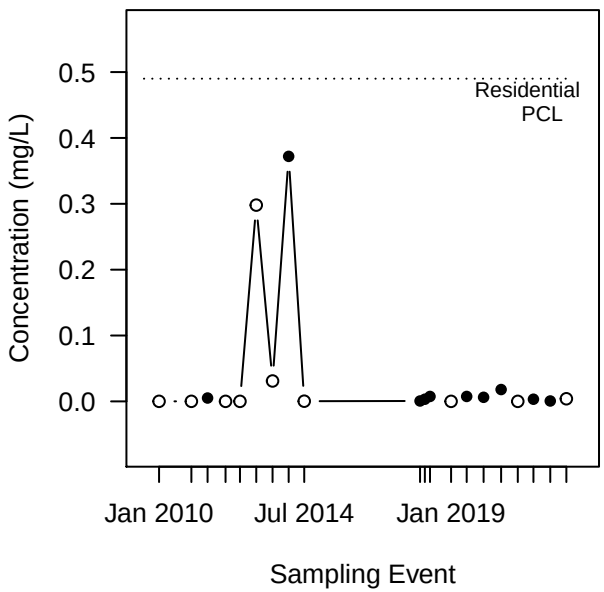
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−25C

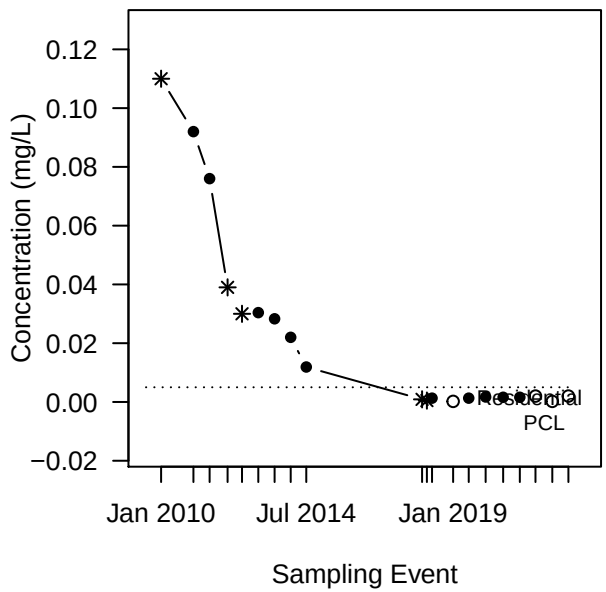
2−Methylnaphthalene (Det/N = 19/20)
Decreasing
(p−value=0.000178 and CV=0.5)



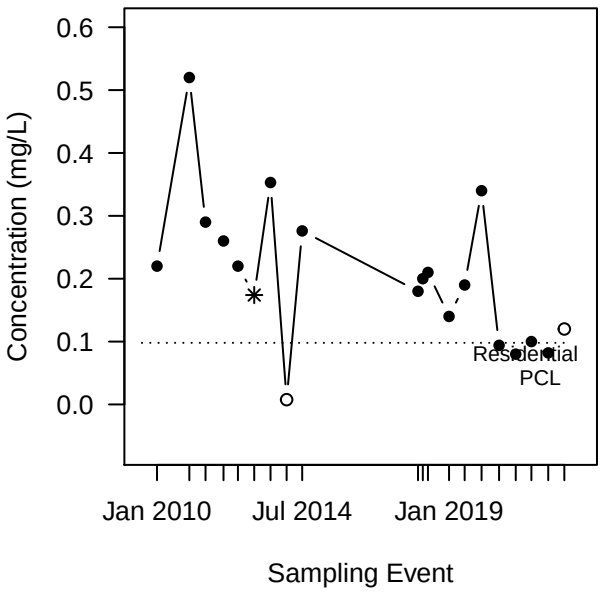
2,4−Dimethylphenol (Det/N = 10/20)
No Trend
(p−value=0.105 and CV=2.7)



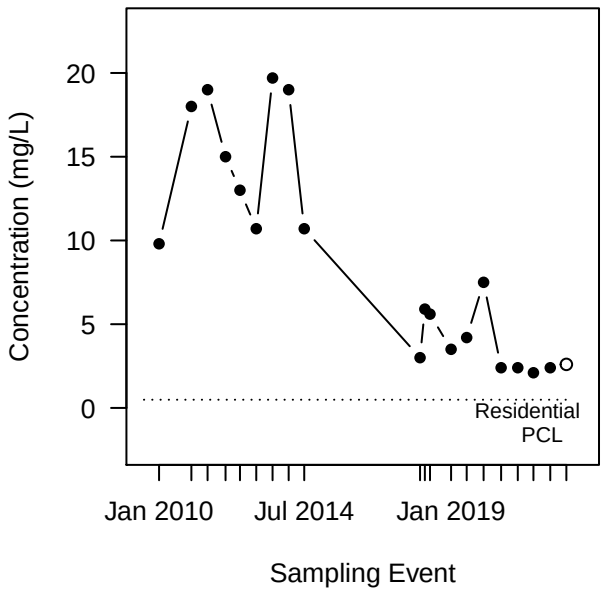
Benzene (Det/N = 16/20)
Decreasing
(p−value=2.88e−06 and CV=1.5)



Dibenzofuran (Det/N = 18/20)
Decreasing
(p−value=0.00102 and CV=0.58)



Naphthalene (Det/N = 19/20)
Decreasing
(p−value=2.06e−05 and CV=0.73)

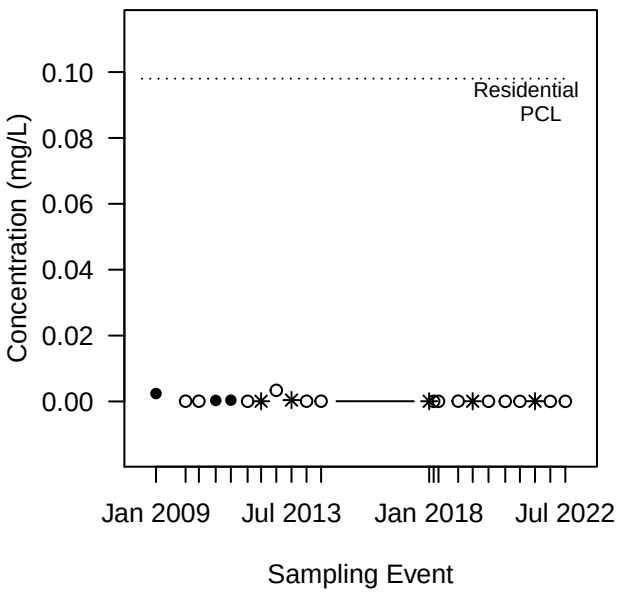


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

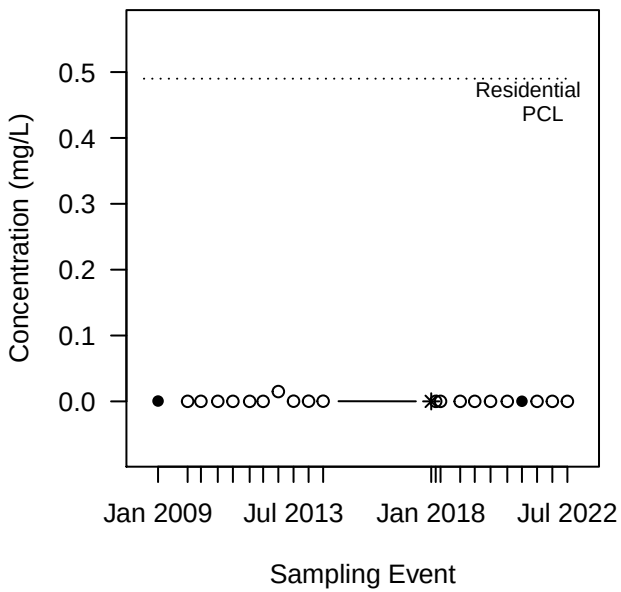
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−26A

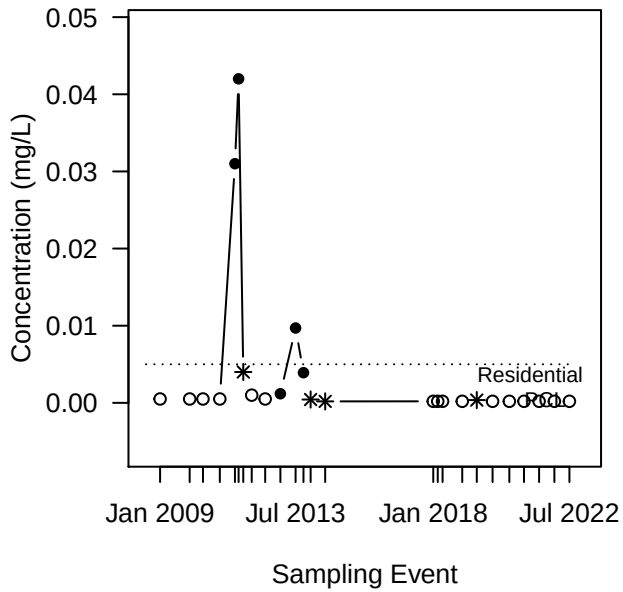
2−Methylnaphthalene (Det/N = 8/22)
Probably Decreasing
(p−value=0.0694 and CV=2.4)



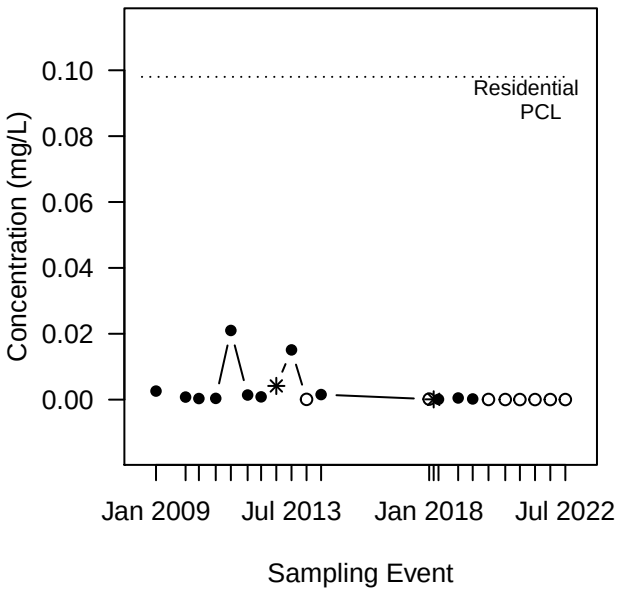
2,4−Dimethylphenol (Det/N = 3/22)
No Trend
(p−value=0.406 and CV=4)



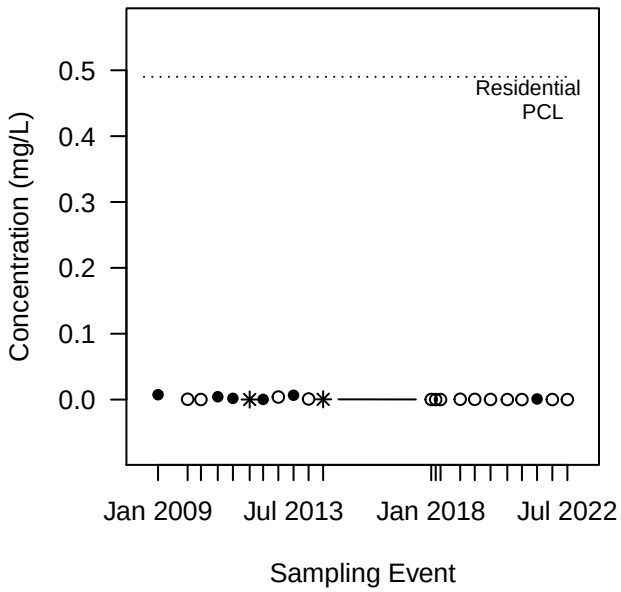
Benzene (Det/N = 9/25)
Decreasing
(p−value=0.0379 and CV=2.6)



Dibenzofuran (Det/N = 14/22)
Decreasing
(p−value=0.00059 and CV=2.4)



Naphthalene (Det/N = 8/22)
Decreasing
(p−value=0.0162 and CV=1.7)

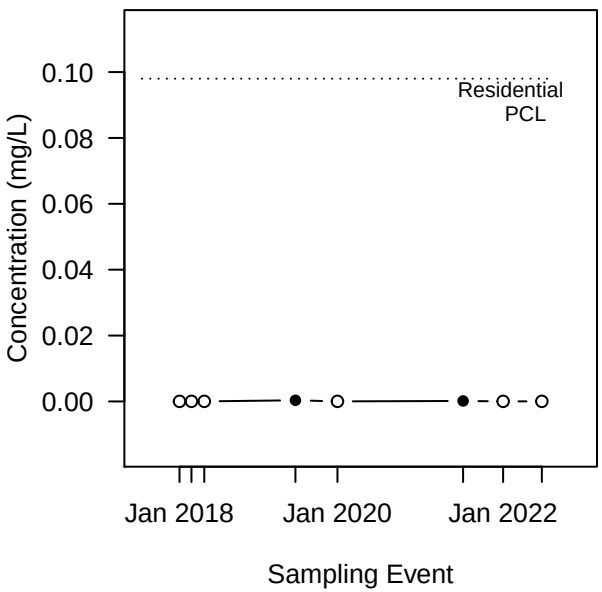


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

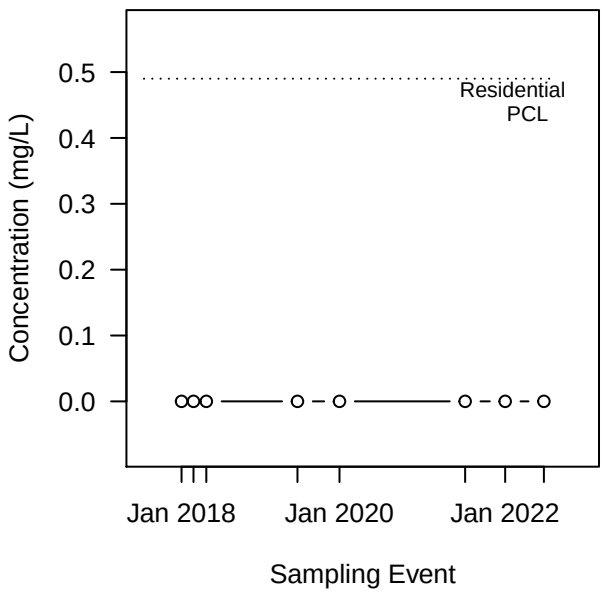
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−27A

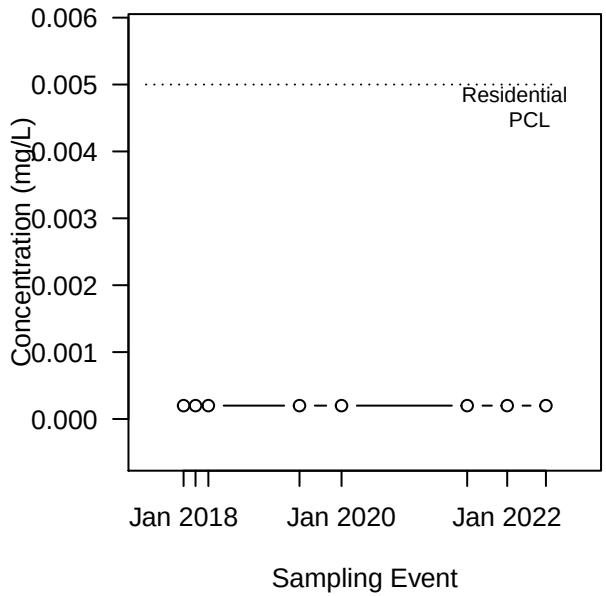
2−Methylnaphthalene (Det/N = 2/8)
No Trend
(p−value=0.5 and CV=1.6)



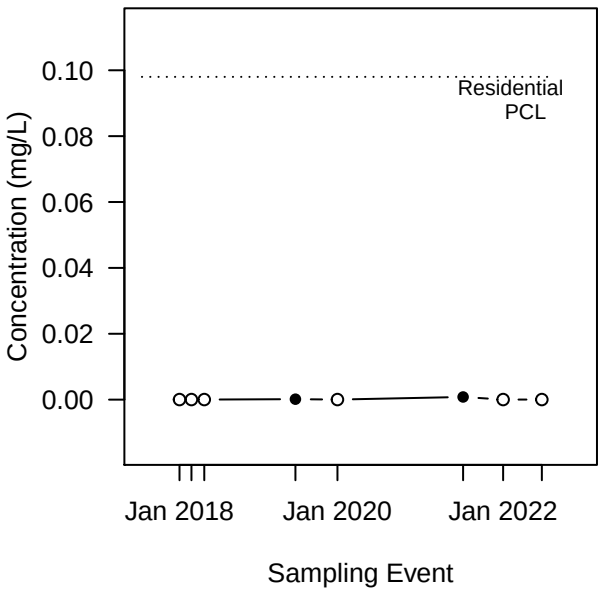
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated (all concentrations are identical)



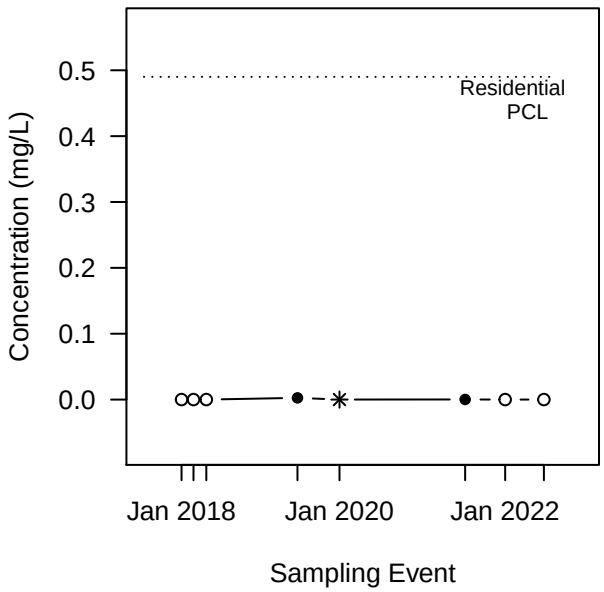
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 2/8)
No Trend
(p−value=0.371 and CV=2.1)



Naphthalene (Det/N = 3/8)
No Trend
(p−value=0.443 and CV=2.5)

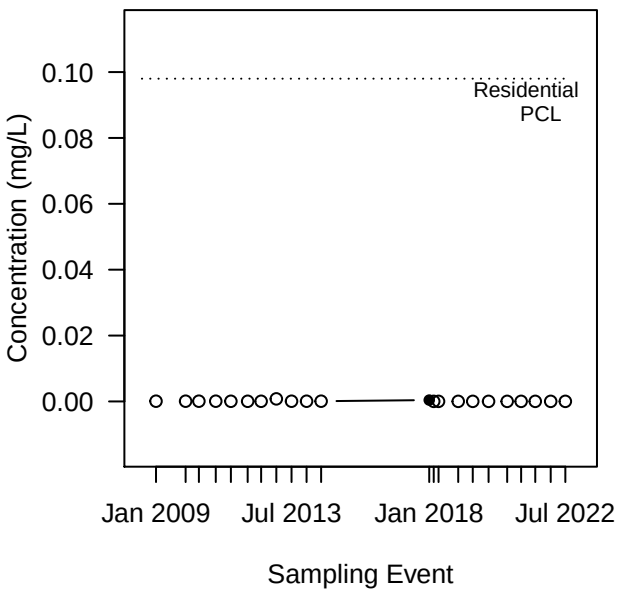


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

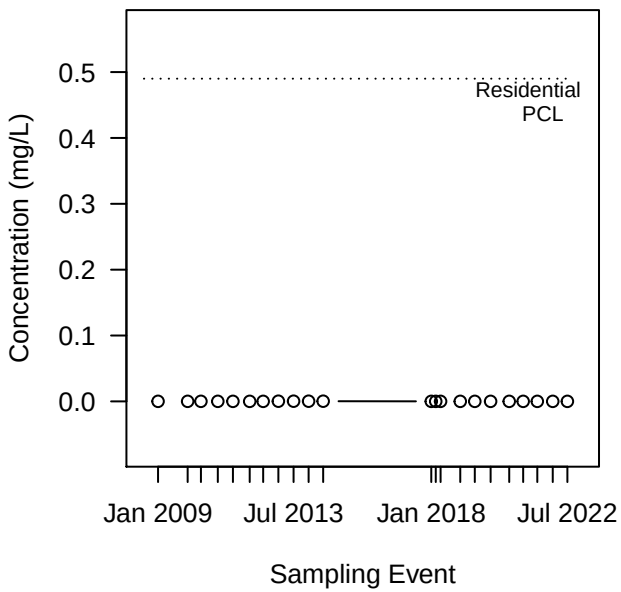
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−27C

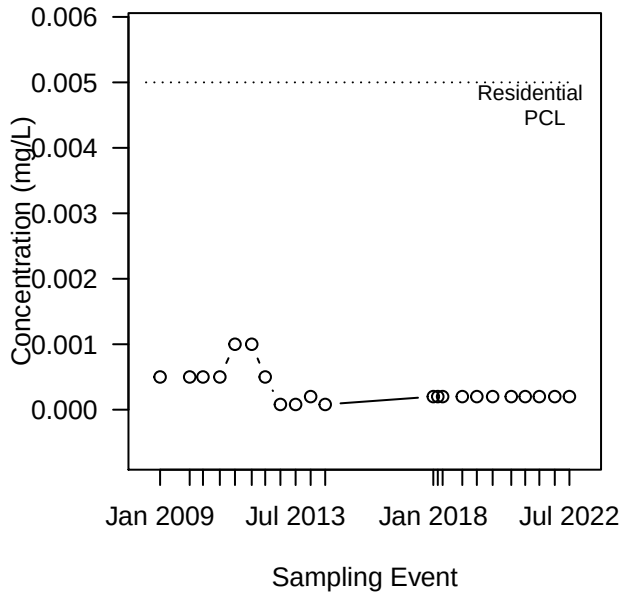
2−Methylnaphthalene (Det/N = 1/22)
No Trend
(p−value=0.5 and CV=1.9)



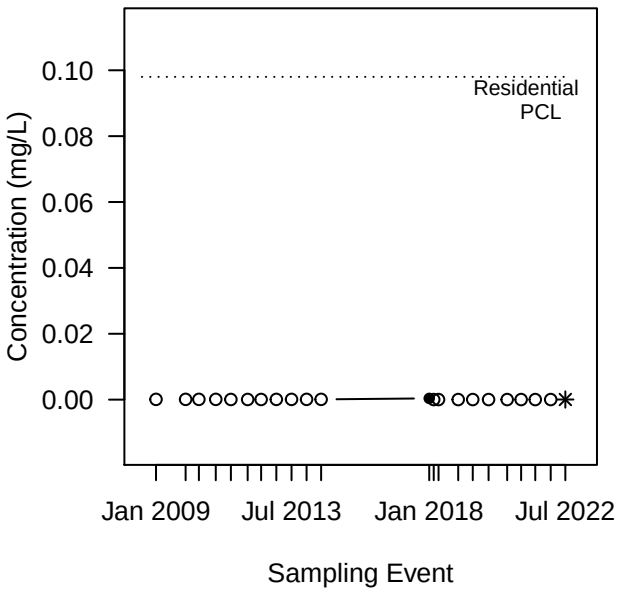
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



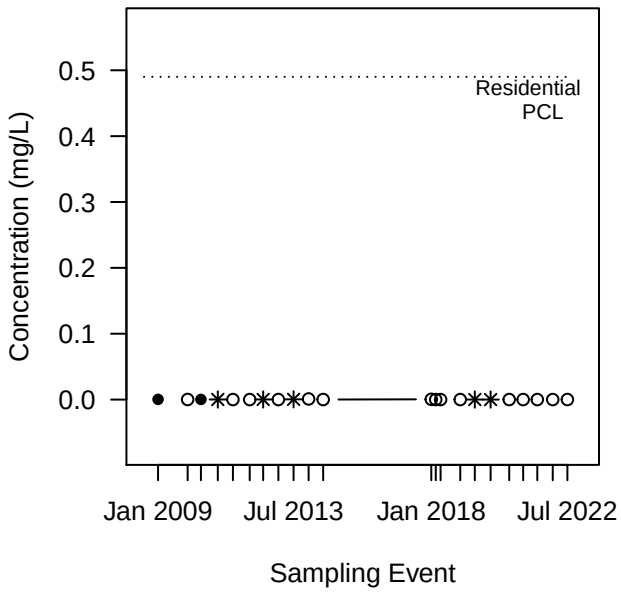
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 2/22)
No Trend
(p−value=0.127 and CV=1.2)



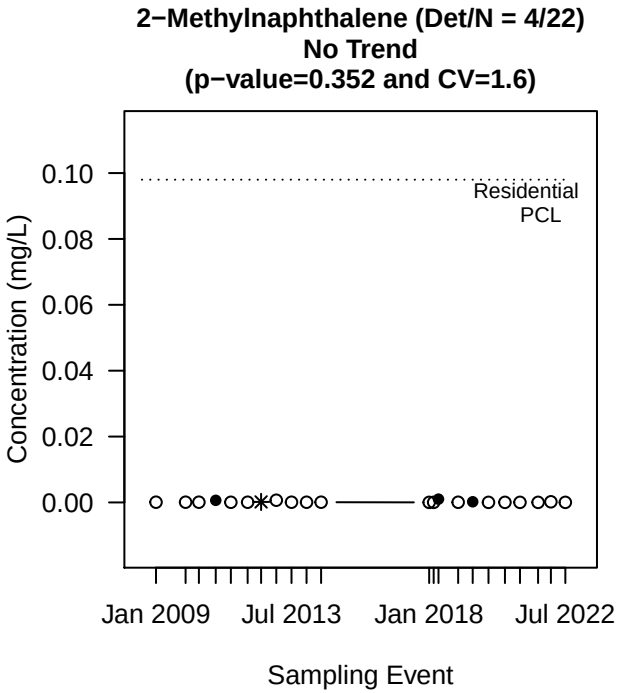
Naphthalene (Det/N = 7/22)
Decreasing
(p−value=0.0215 and CV=1.4)

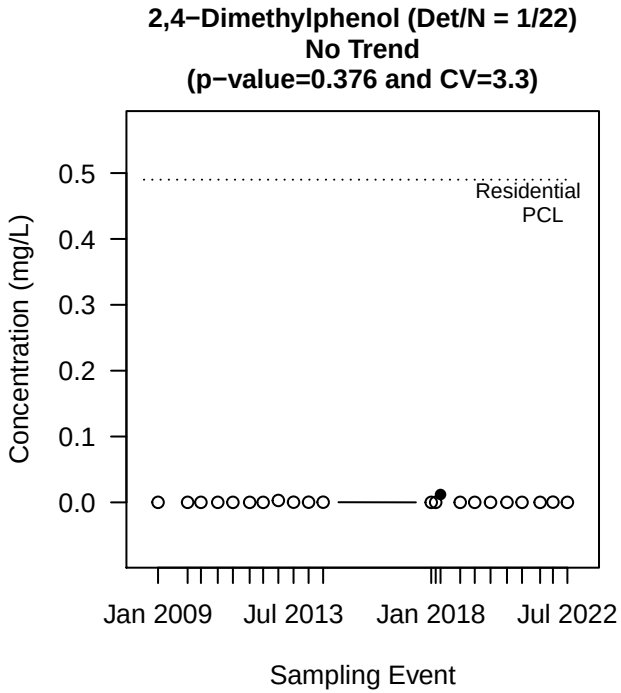


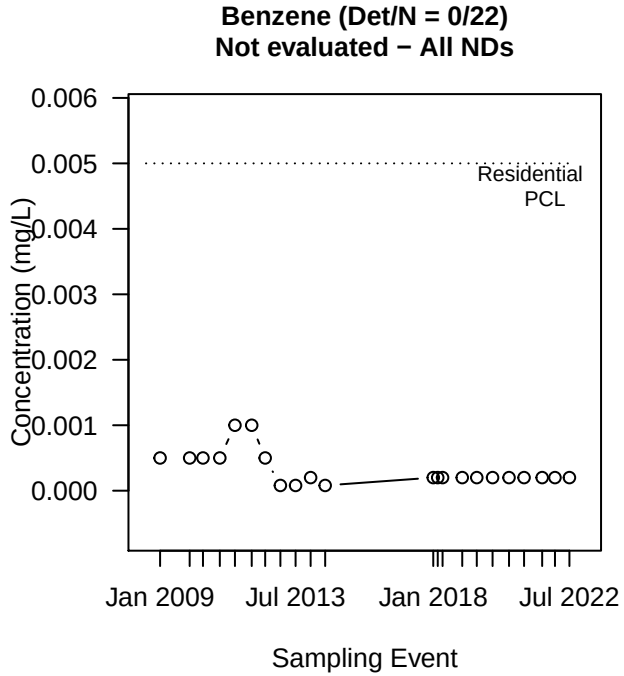
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

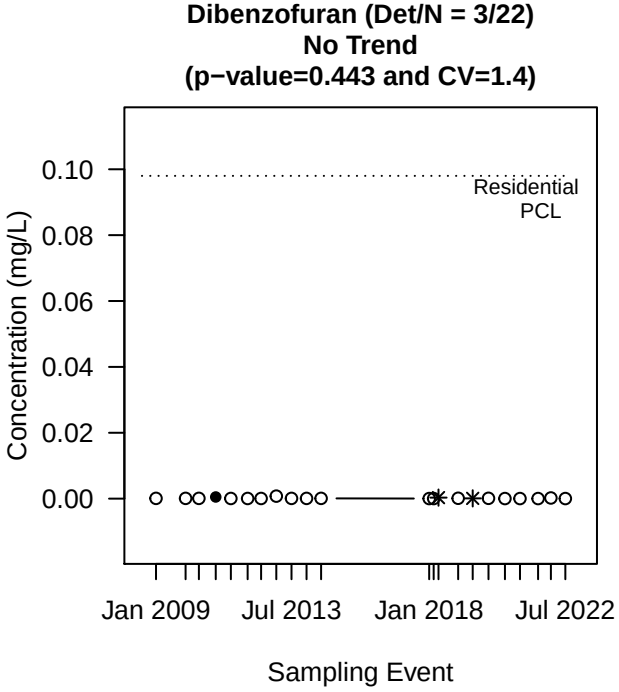
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

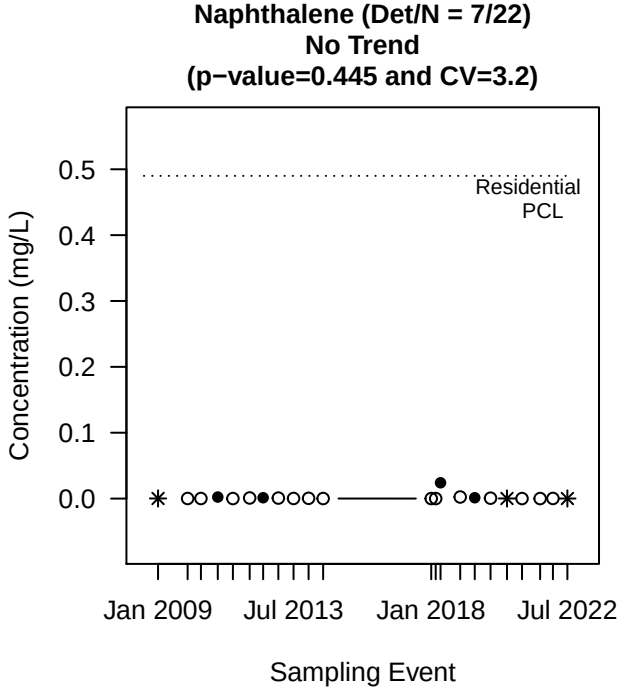
Mann−Kendall Trend Tests for MW−28A

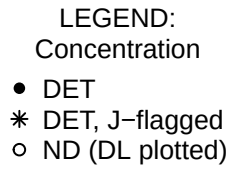








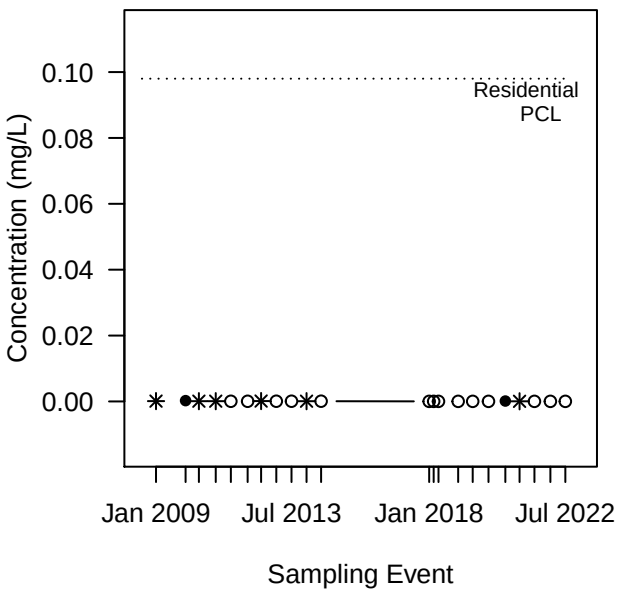




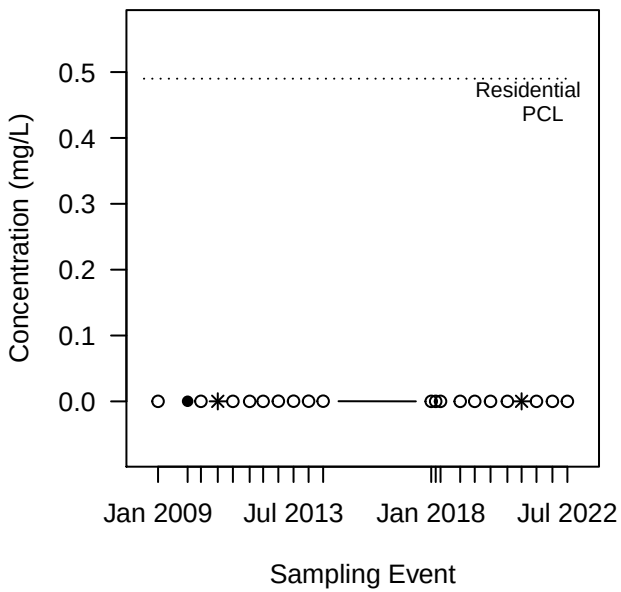
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−28C

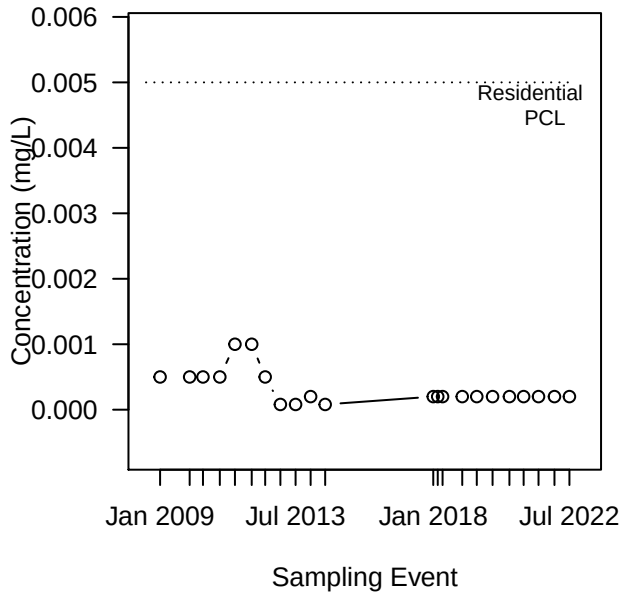
2−Methylnaphthalene (Det/N = 8/22)
Decreasing
(p−value=0.0191 and CV=0.87)



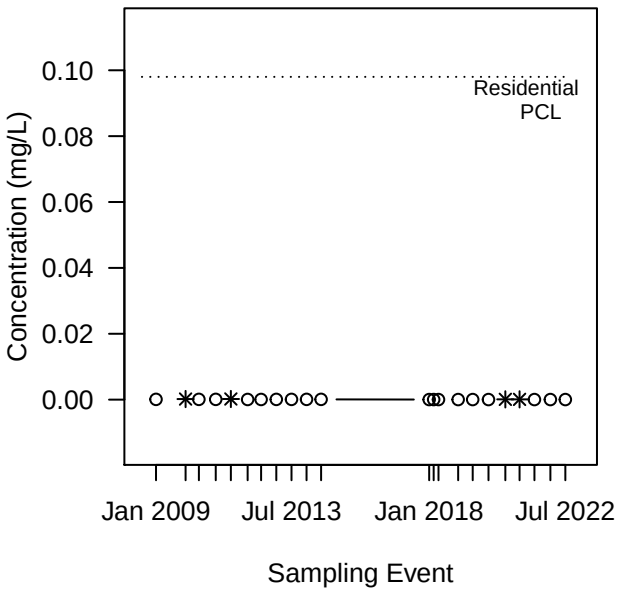
2,4−Dimethylphenol (Det/N = 3/22)
Stable
(p−value=0.159 and CV=0.97)



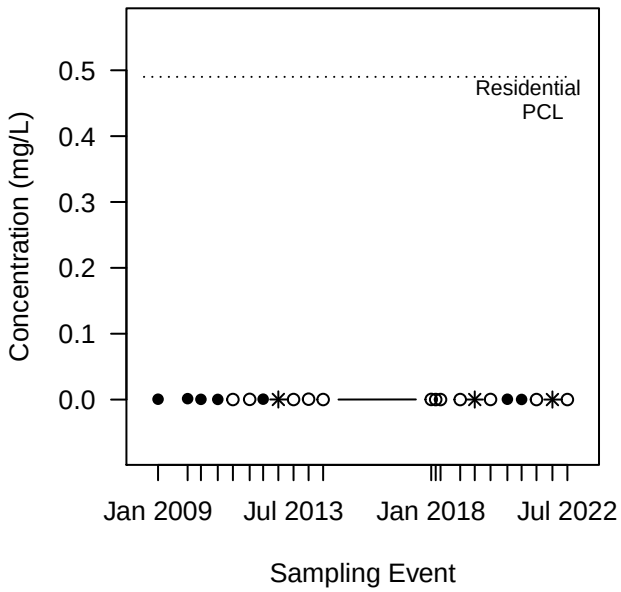
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/22)
Stable
(p−value=0.384 and CV=0.78)



Naphthalene (Det/N = 10/22)
Decreasing
(p−value=0.0416 and CV=1.2)

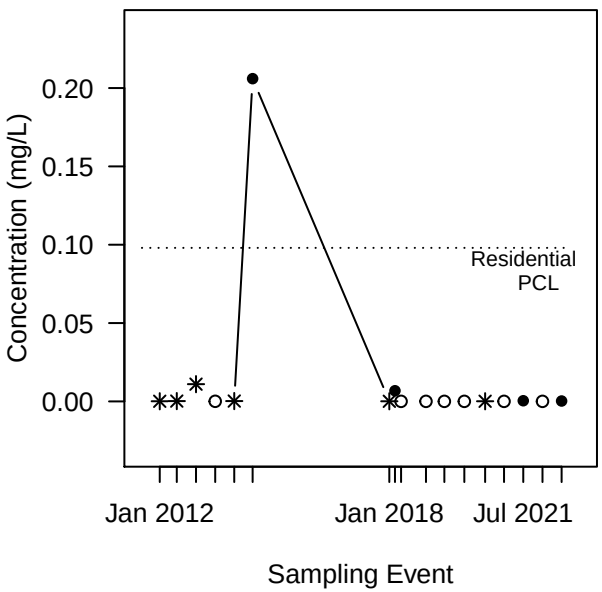


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

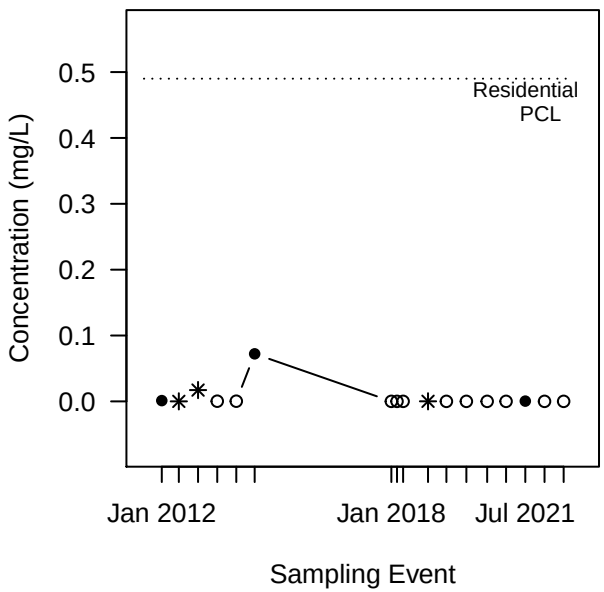
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−32AR

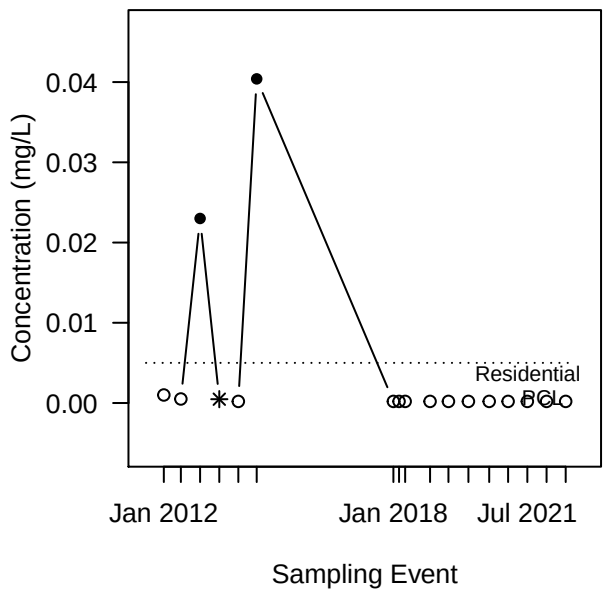
2−Methylnaphthalene (Det/N = 10/17)
No Trend
(p−value=0.184 and CV=3.8)



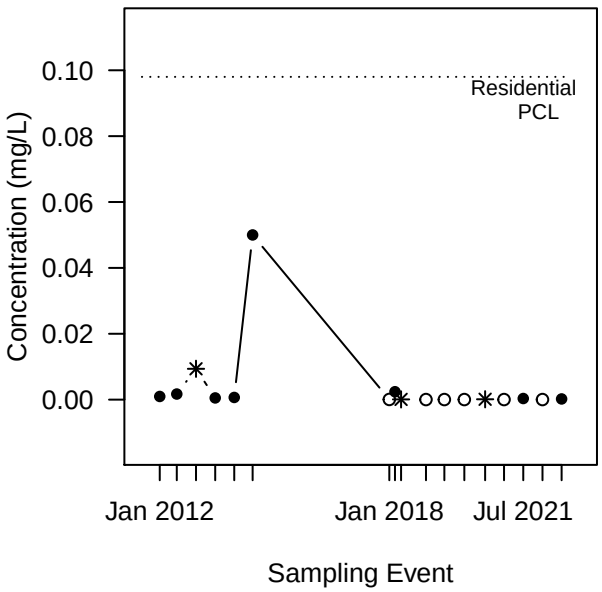
2,4−Dimethylphenol (Det/N = 6/17)
Probably Decreasing
(p−value=0.0602 and CV=3.3)



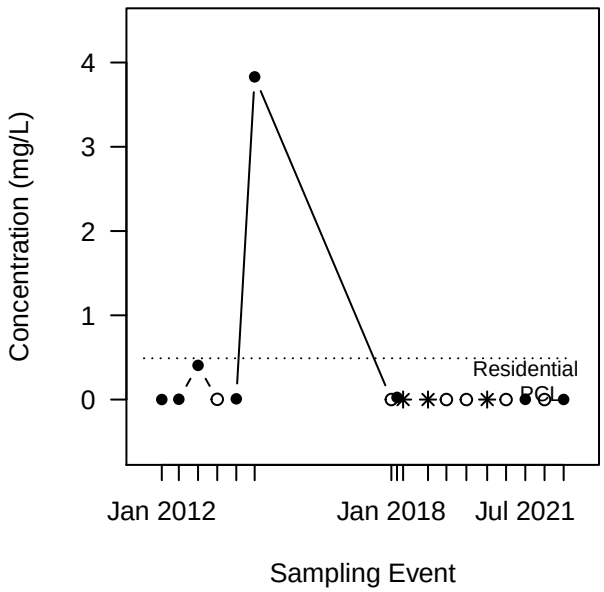
Benzene (Det/N = 3/17)
Probably Decreasing
(p−value=0.052 and CV=2.7)



Dibenzofuran (Det/N = 11/17)
Decreasing
(p−value=0.0174 and CV=3.1)



Naphthalene (Det/N = 11/17)
No Trend
(p−value=0.119 and CV=3.7)

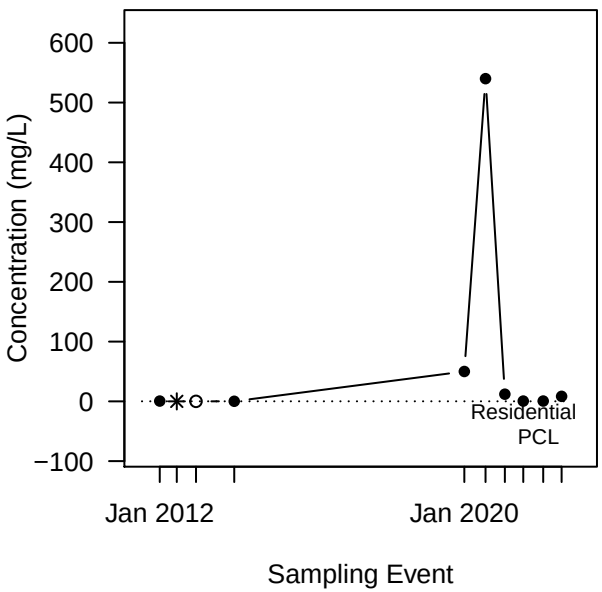


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

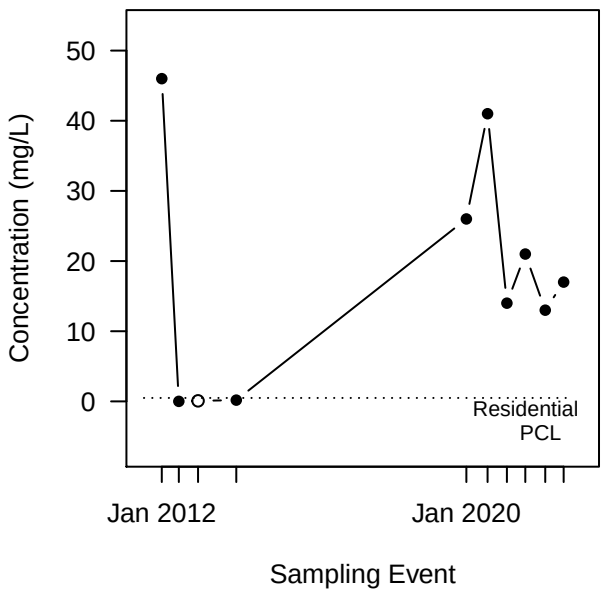
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−32B

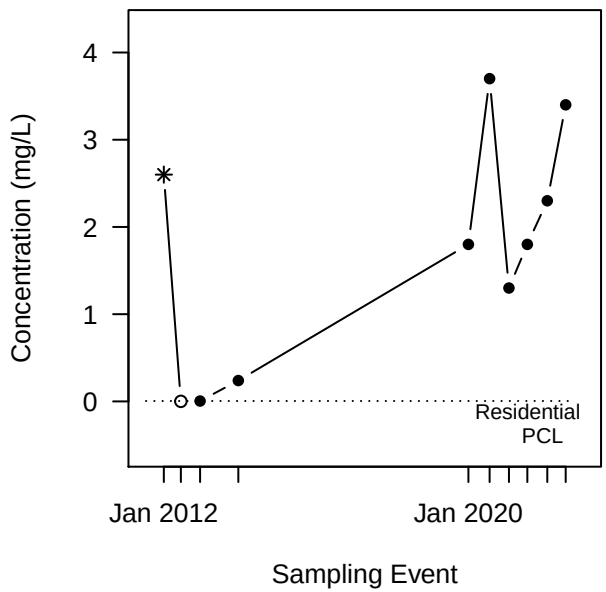
2−Methylnaphthalene (Det/N = 9/10)
No Trend
(p−value=0.142 and CV=2.8)



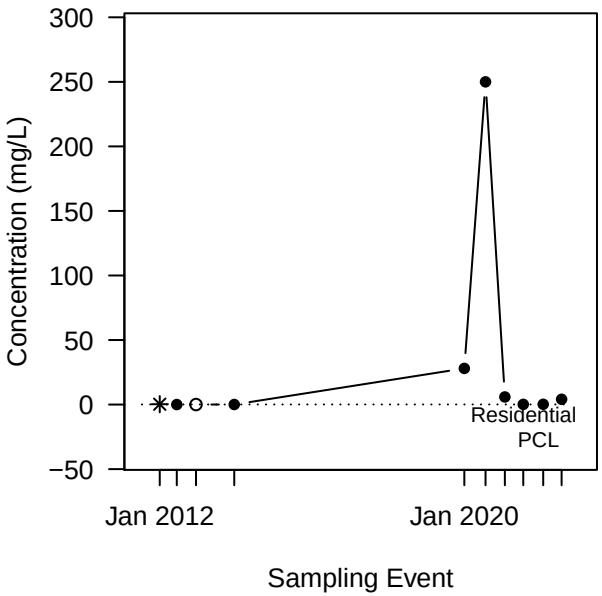
2,4−Dimethylphenol (Det/N = 9/10)
No Trend
(p−value=0.429 and CV=0.91)



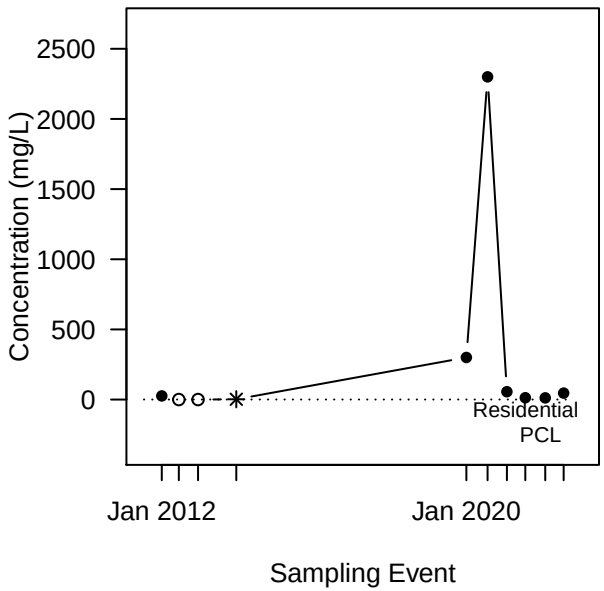
Benzene (Det/N = 9/10)
Increasing
(p−value=0.044 and CV=0.78)



Dibenzofuran (Det/N = 9/10)
No Trend
(p−value=0.186 and CV=2.7)



Naphthalene (Det/N = 8/10)
No Trend
(p−value=0.209 and CV=2.6)

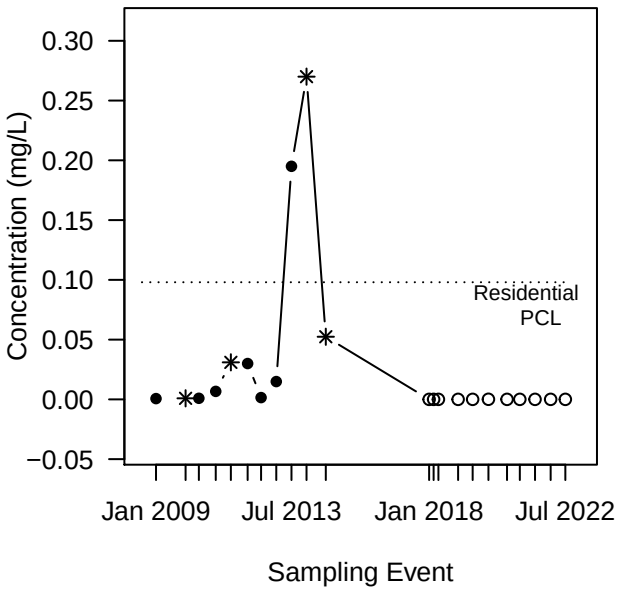


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

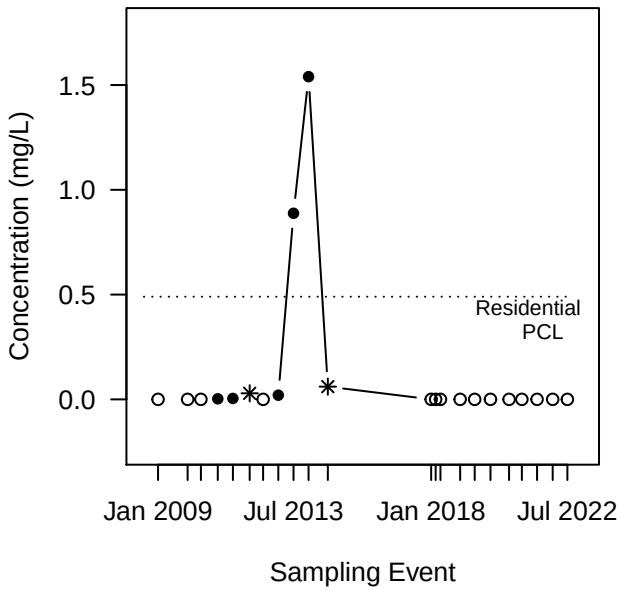
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−33A

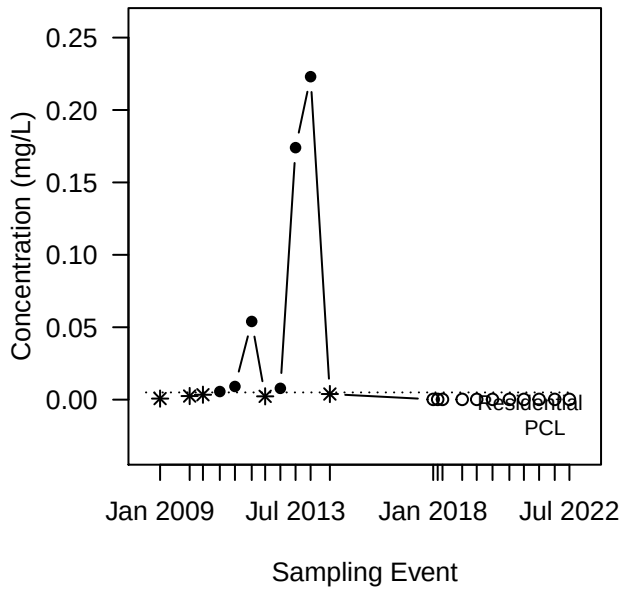
2−Methylnaphthalene (Det/N = 11/22)
Decreasing
(p−value=0.00713 and CV=2.5)



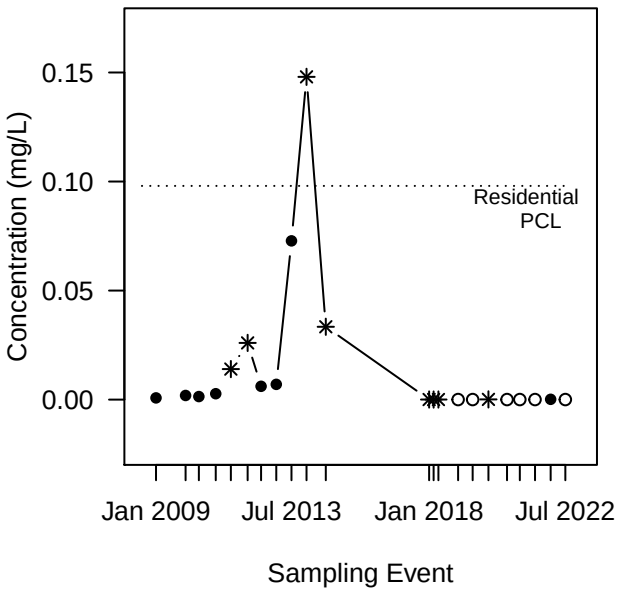
2,4−Dimethylphenol (Det/N = 7/22)
Probably Decreasing
(p−value=0.0904 and CV=3.2)



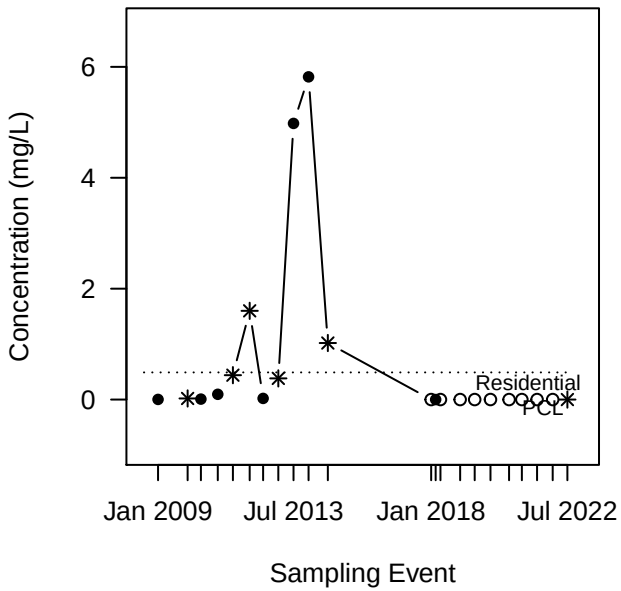
Benzene (Det/N = 11/22)
Decreasing
(p−value=0.00295 and CV=2.6)



Dibenzofuran (Det/N = 16/22)
Decreasing
(p−value=0.00557 and CV=2.4)



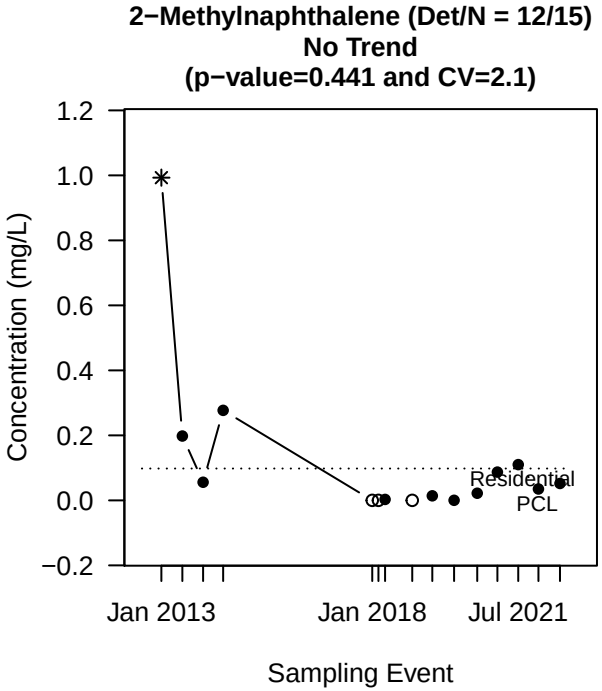
Naphthalene (Det/N = 13/22)
Decreasing
(p−value=0.00881 and CV=2.4)

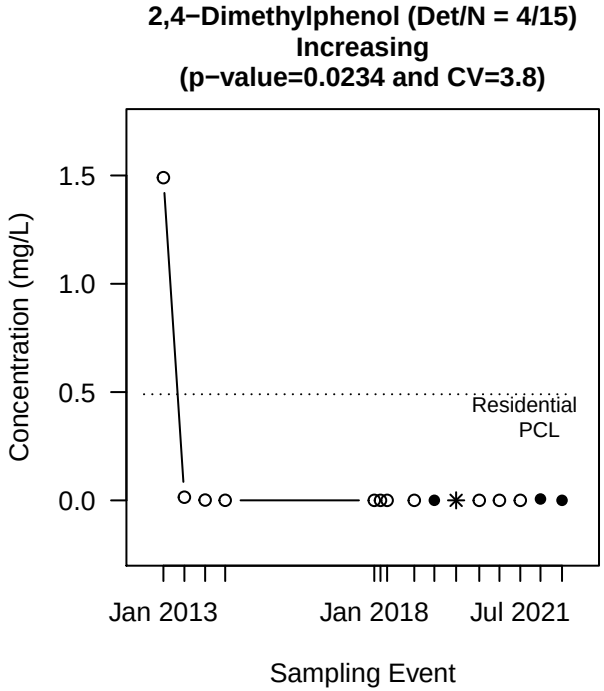


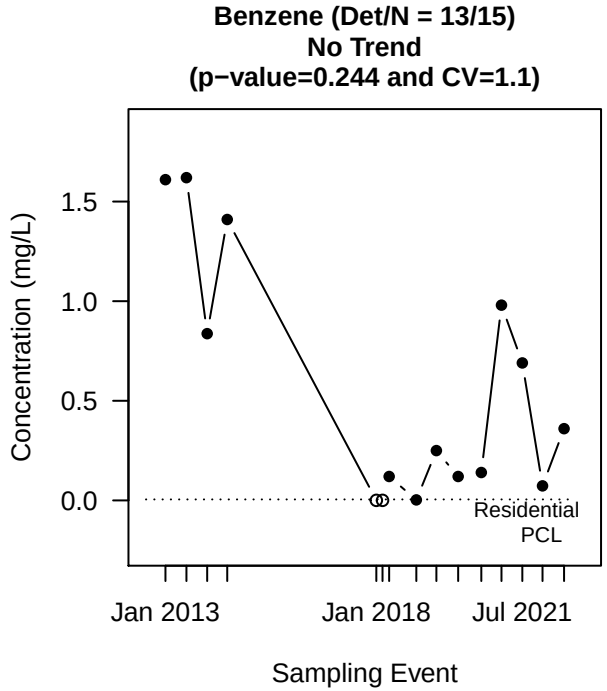
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

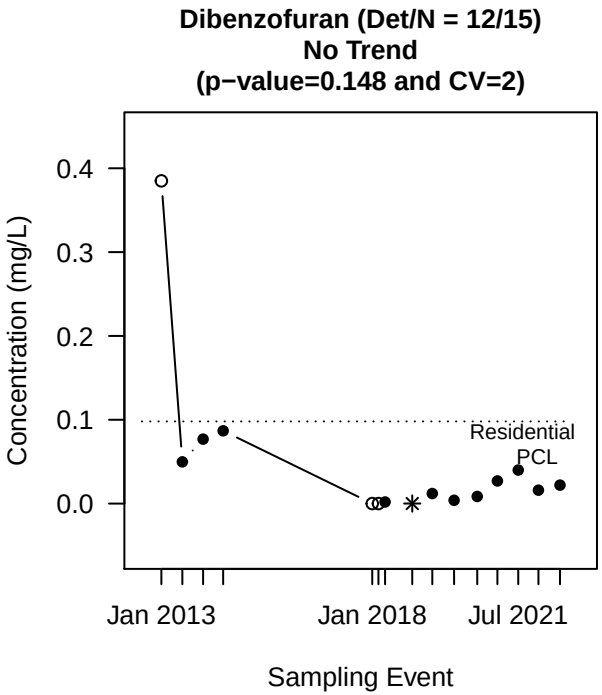
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

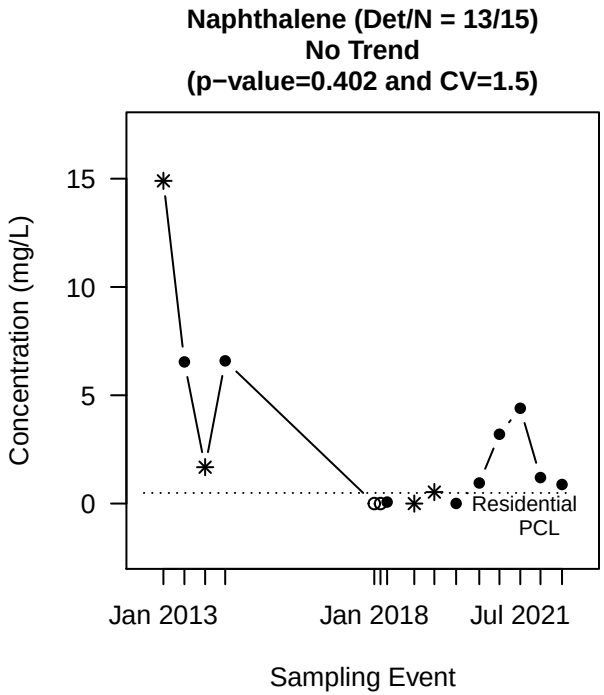
Mann−Kendall Trend Tests for MW−33BR









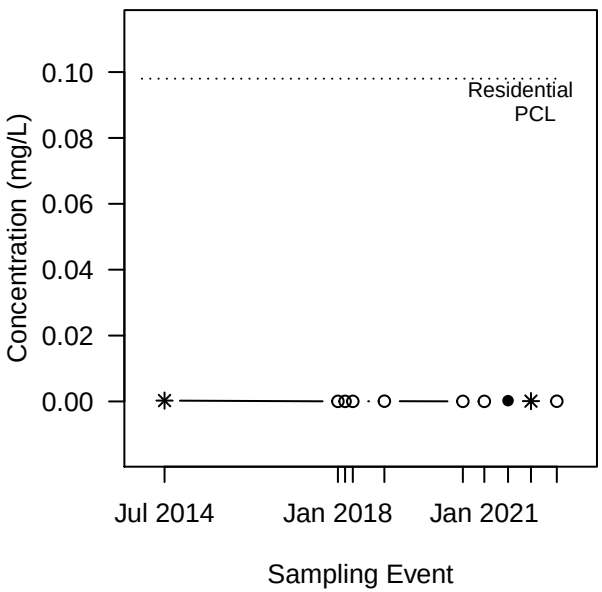


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

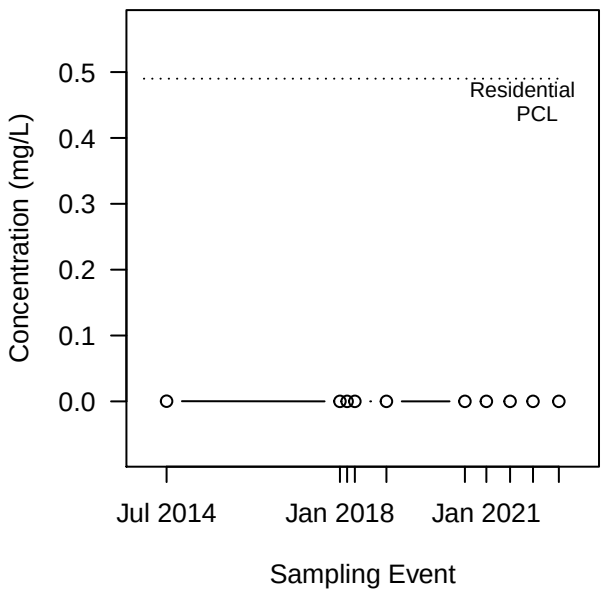
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−34CR

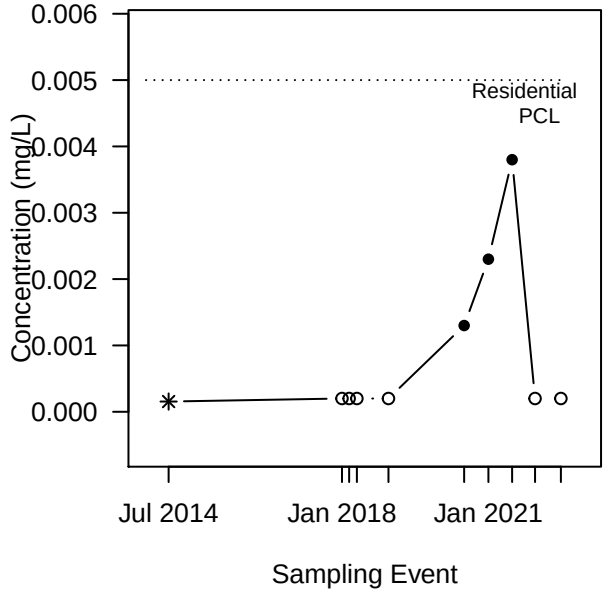
2−Methylnaphthalene (Det/N = 3/10)
No Trend
(p−value=0.5 and CV=1.1)



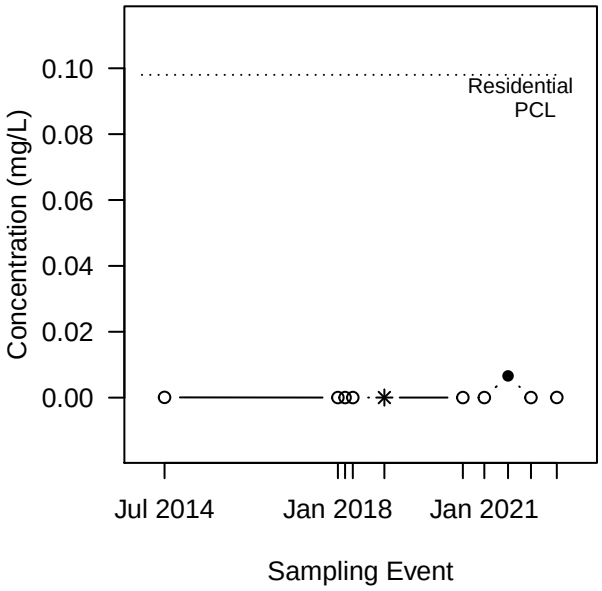
2,4−Dimethylphenol (Det/N = 0/10)
Not evaluated − All NDs



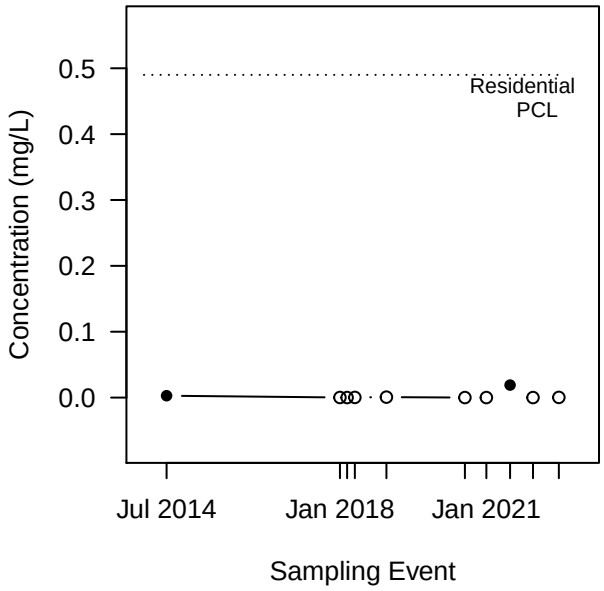
Benzene (Det/N = 4/10)
No Trend
(p−value=0.306 and CV=1.4)



Dibenzofuran (Det/N = 2/10)
No Trend
(p−value=0.302 and CV=3)



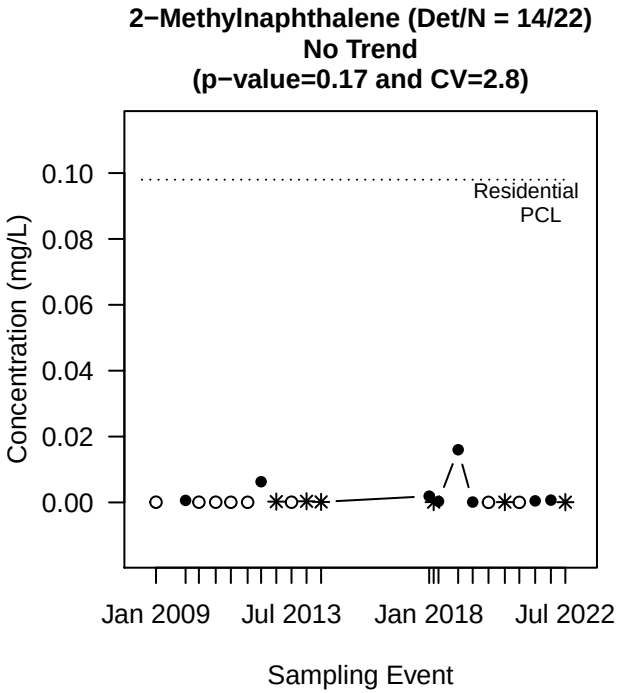
Naphthalene (Det/N = 2/10)
No Trend
(p−value=0.398 and CV=2.5)

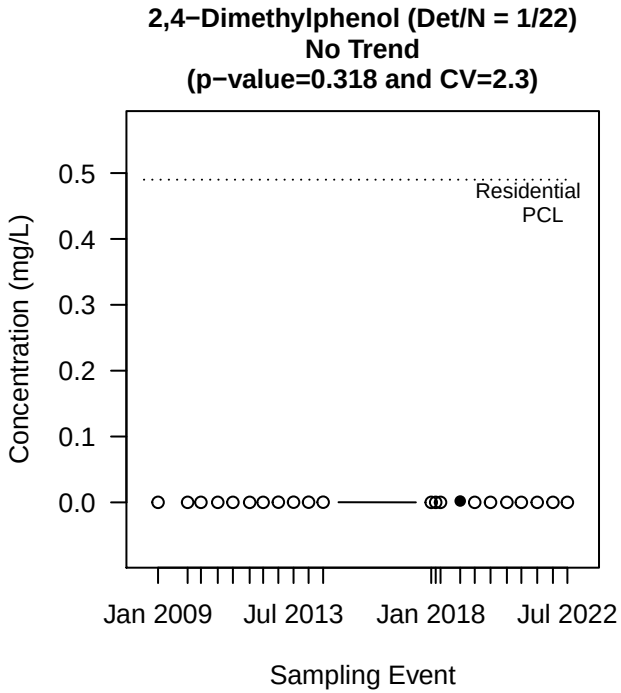


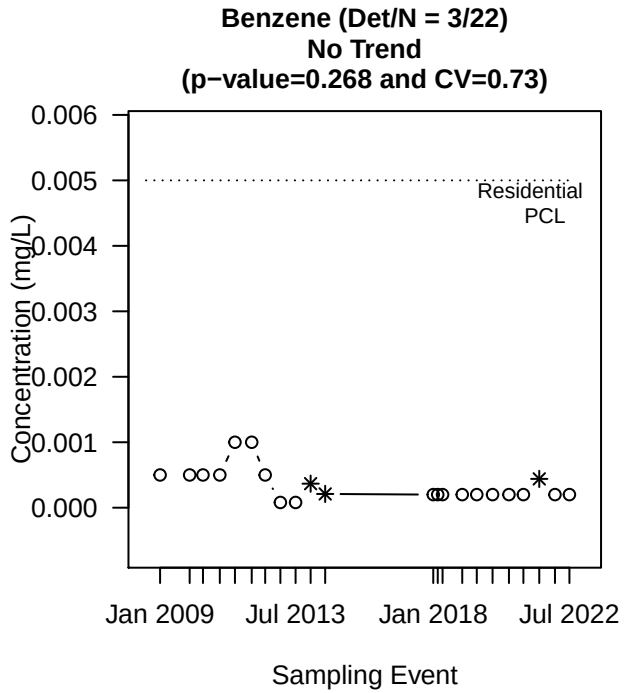
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

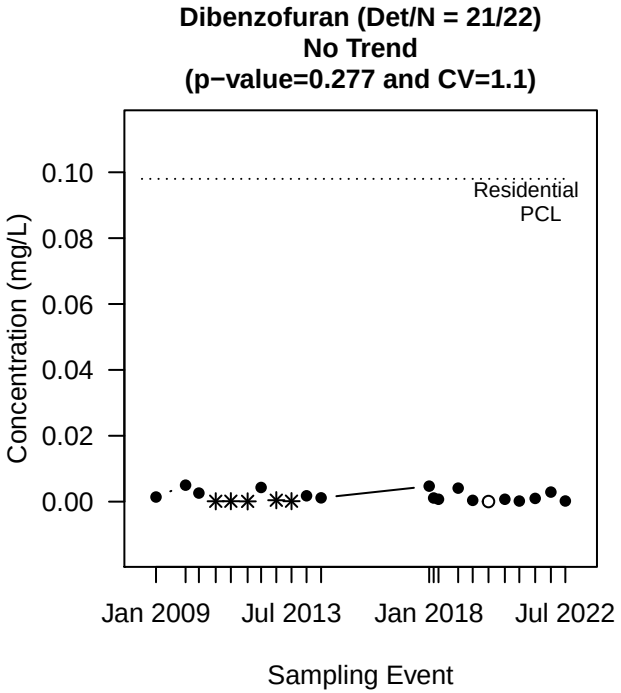
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

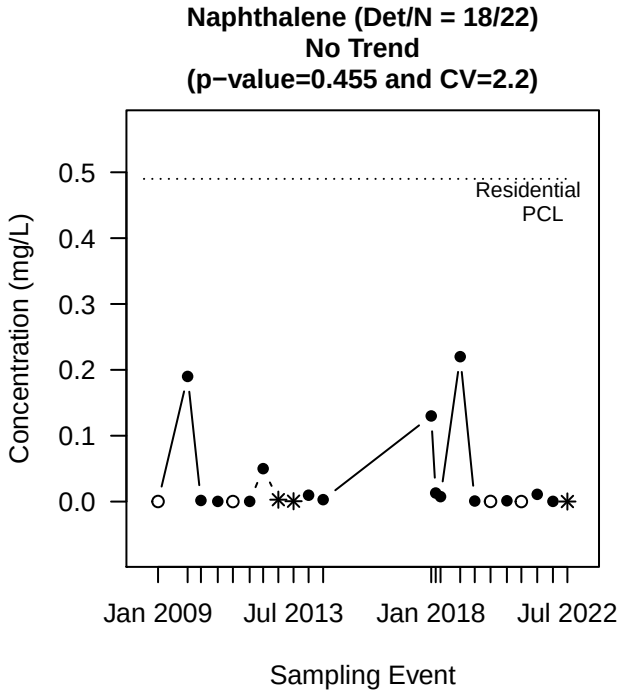
Mann−Kendall Trend Tests for MW−35A

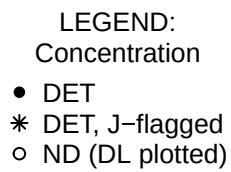








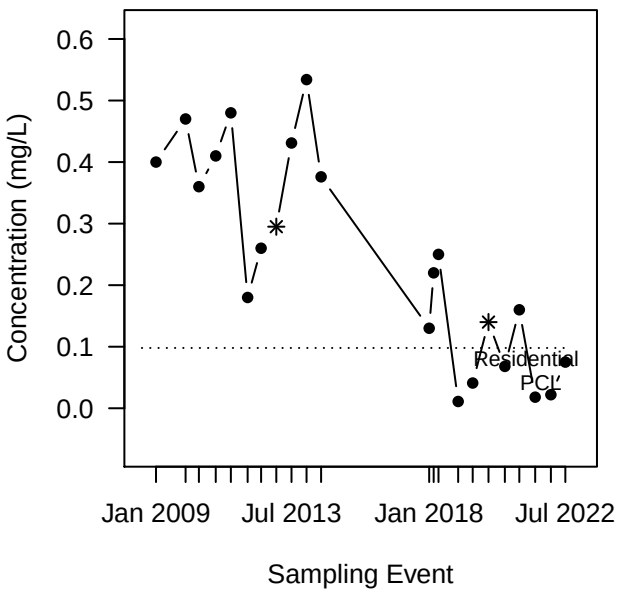




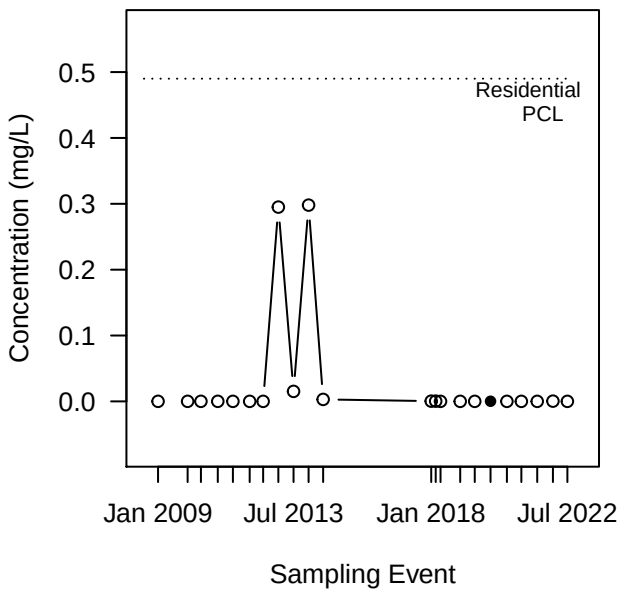
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−35B

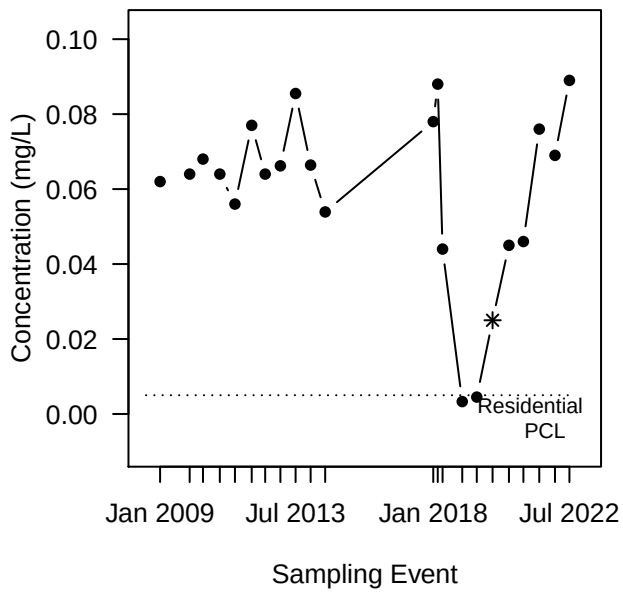
2−Methylnaphthalene (Det/N = 22/22)
Decreasing
(p−value=0.000236 and CV=0.7)



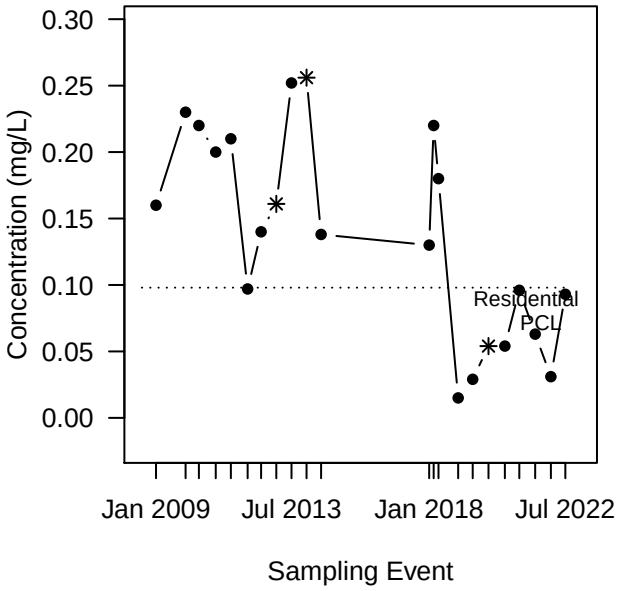
2,4−Dimethylphenol (Det/N = 1/22)
No Trend
(p−value=0.215 and CV=3.1)



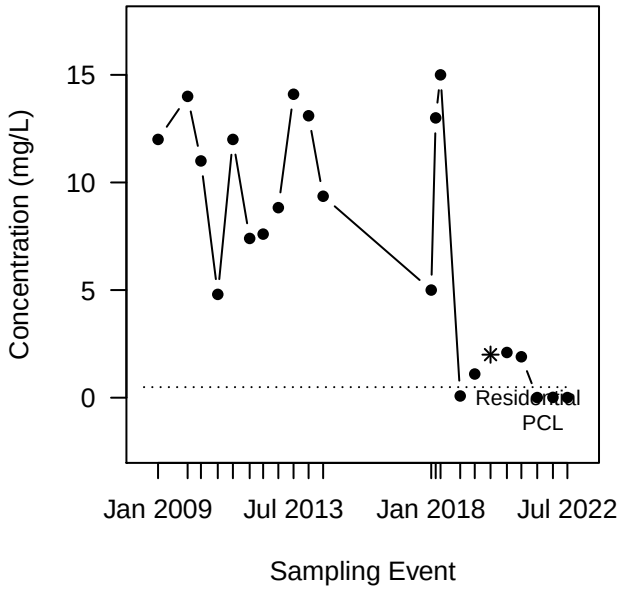
Benzene (Det/N = 22/22)
No Trend
(p−value=0.489 and CV=0.4)



Dibenzofuran (Det/N = 22/22)
Decreasing
(p−value=0.002 and CV=0.56)



Naphthalene (Det/N = 22/22)
Decreasing
(p−value=0.00105 and CV=0.78)

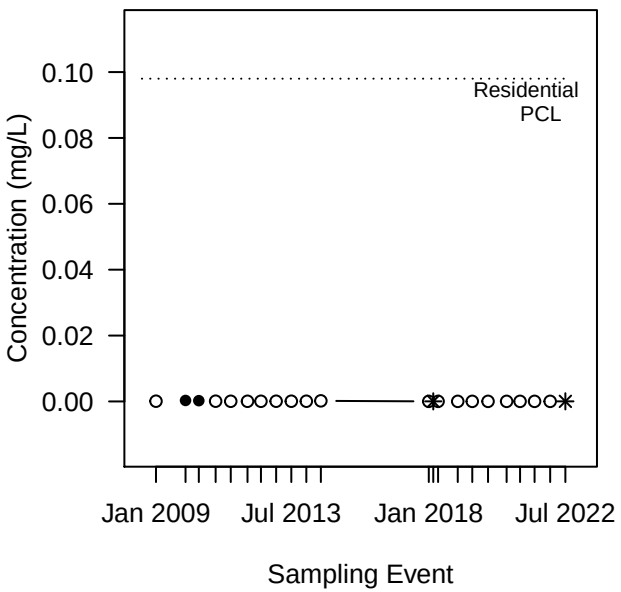


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

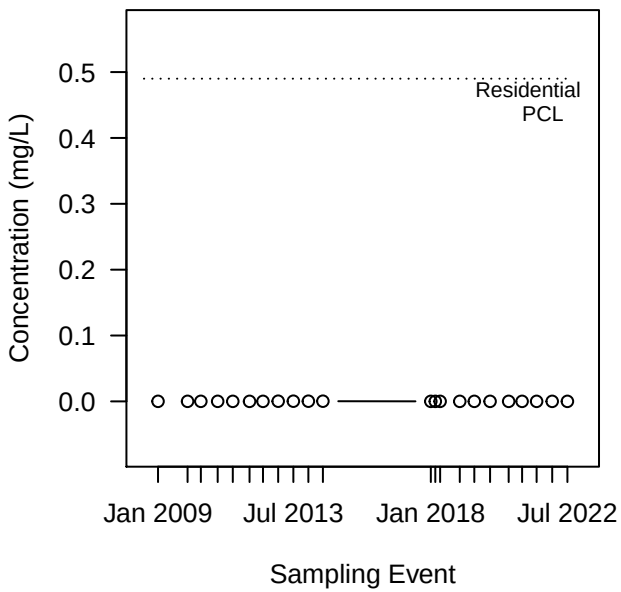
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−36A

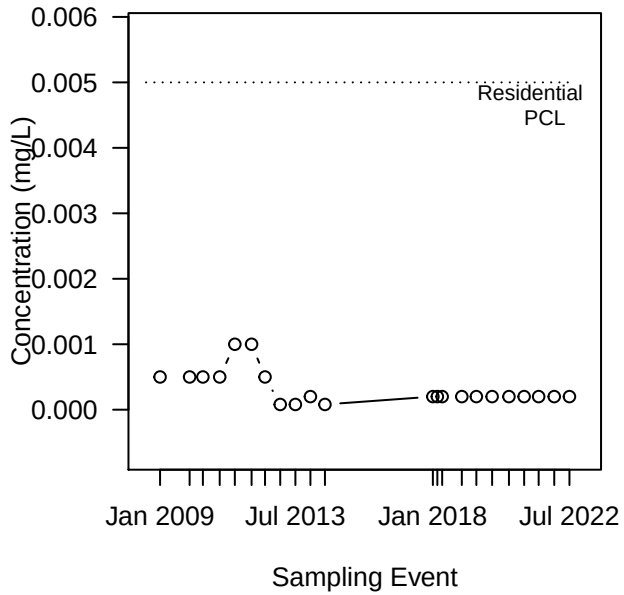
2−Methylnaphthalene (Det/N = 4/22)
No Trend
(p−value=0.263 and CV=1.2)



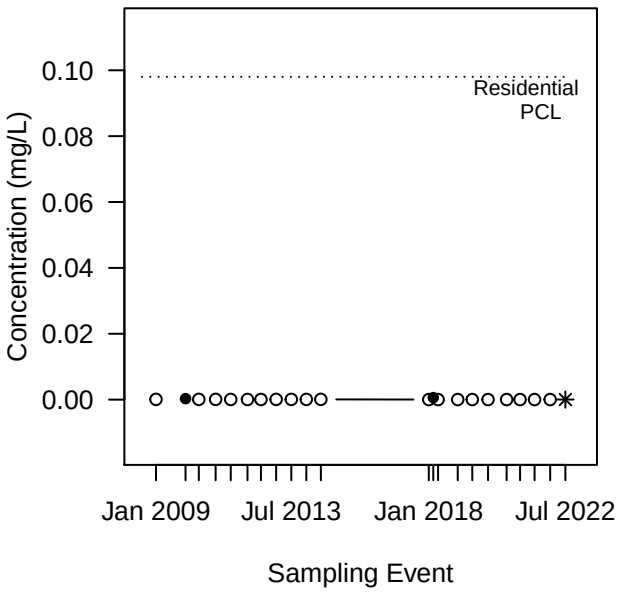
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



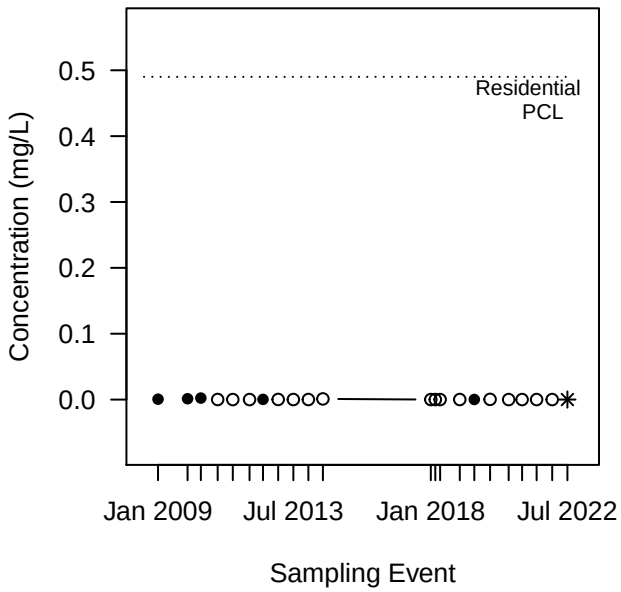
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 3/22)
No Trend
(p−value=0.443 and CV=1.6)



Naphthalene (Det/N = 6/22)
Probably Decreasing
(p−value=0.0557 and CV=1.8)

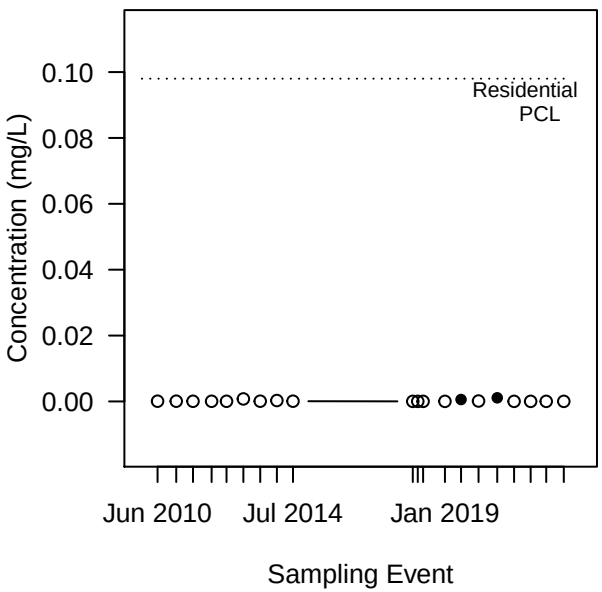


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

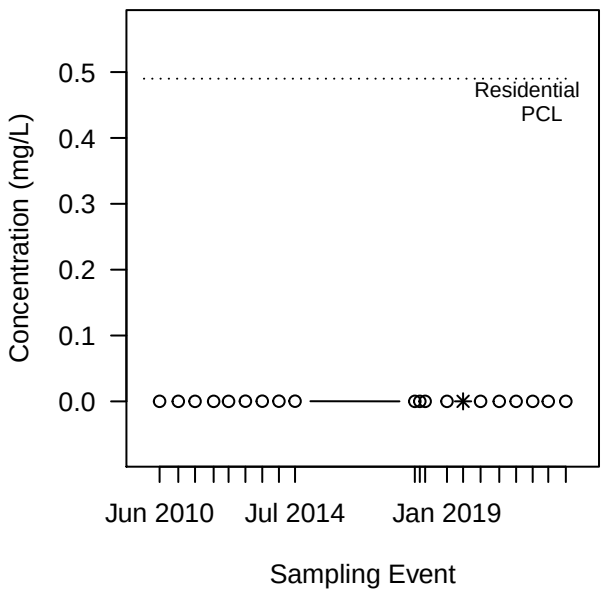
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−36B

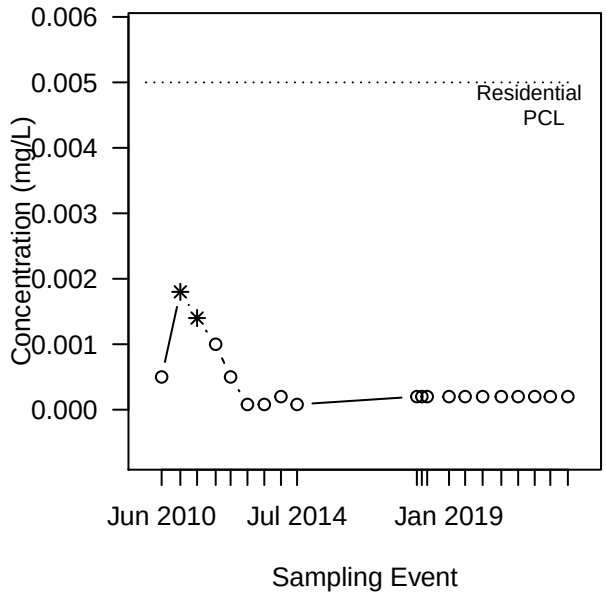
2−Methylnaphthalene (Det/N = 2/20)
No Trend
(p−value=0.129 and CV=1.7)



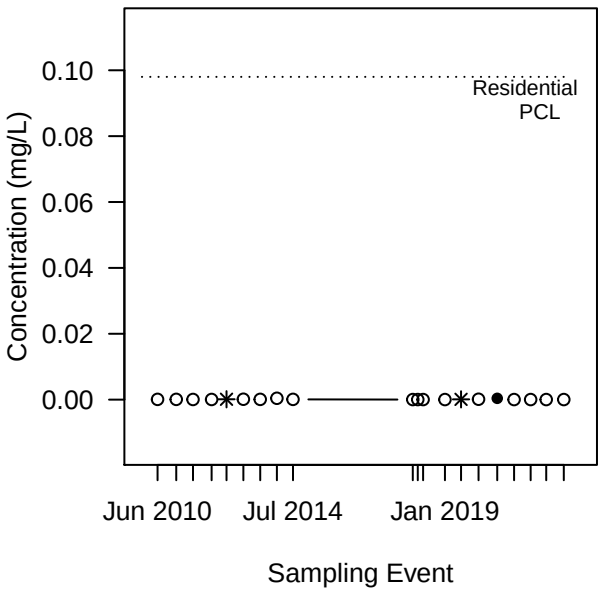
2,4−Dimethylphenol (Det/N = 1/20)
No Trend
(p−value=0.301 and CV=1)



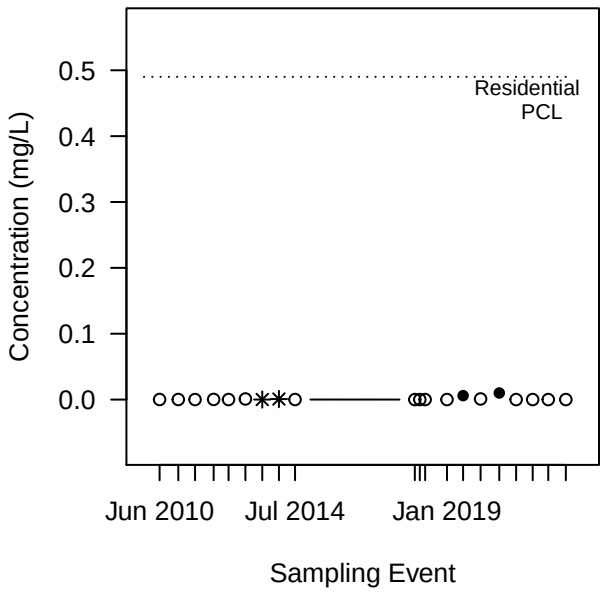
Benzene (Det/N = 2/20)
Decreasing
(p−value=0.0221 and CV=1.2)



Dibenzofuran (Det/N = 3/20)
No Trend
(p−value=0.356 and CV=1.2)



Naphthalene (Det/N = 4/20)
No Trend
(p−value=0.303 and CV=2.6)

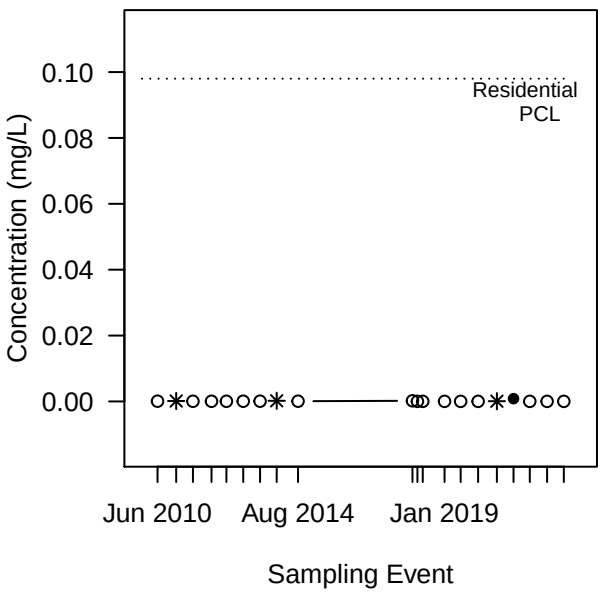


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

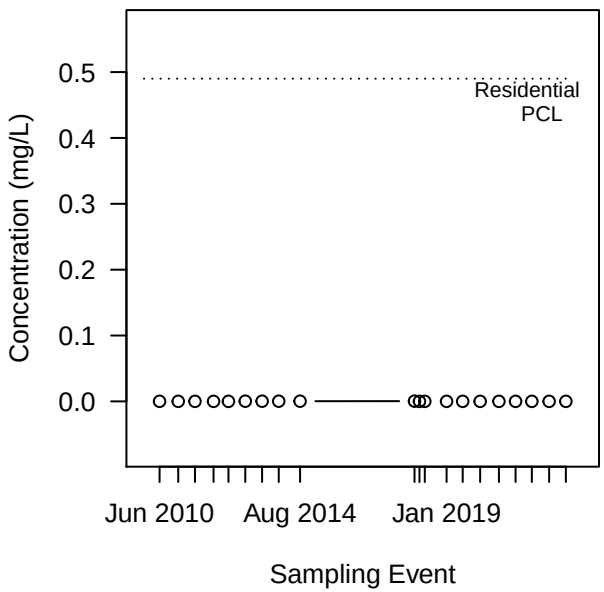
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−36D

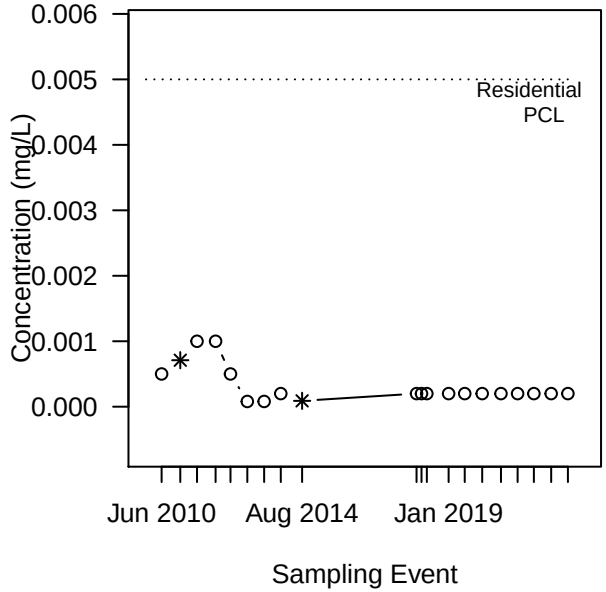
2−Methylnaphthalene (Det/N = 4/20)
No Trend
(p−value=0.444 and CV=1.8)



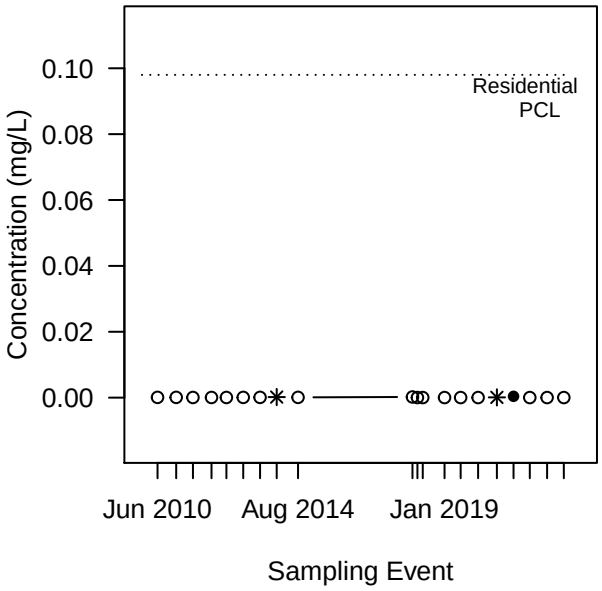
2,4−Dimethylphenol (Det/N = 0/20)
Not evaluated − All NDs



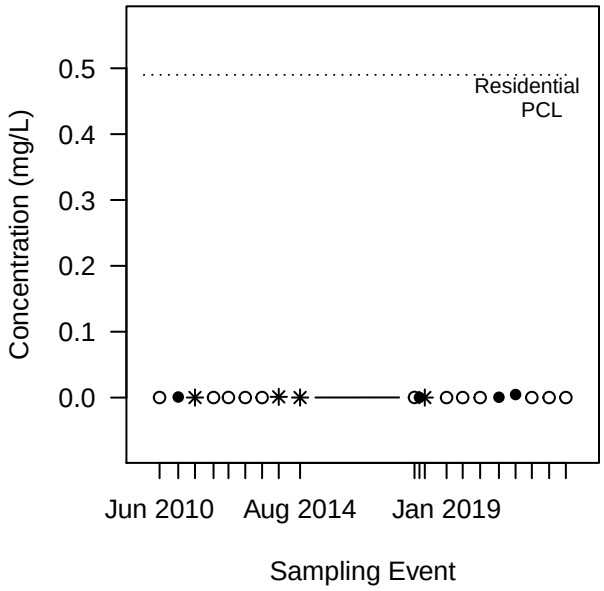
Benzene (Det/N = 2/20)
Stable
(p−value=0.104 and CV=0.88)



Dibenzofuran (Det/N = 3/20)
No Trend
(p−value=0.159 and CV=1.2)



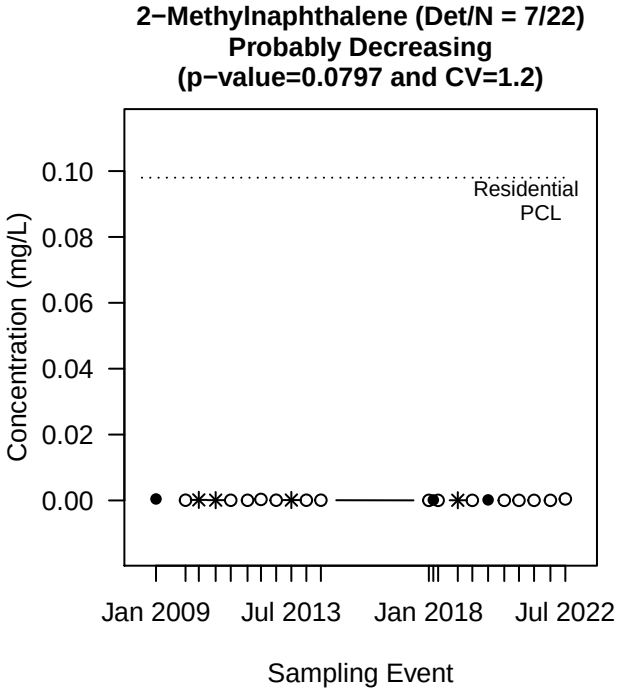
Naphthalene (Det/N = 8/20)
No Trend
(p−value=0.398 and CV=2.5)

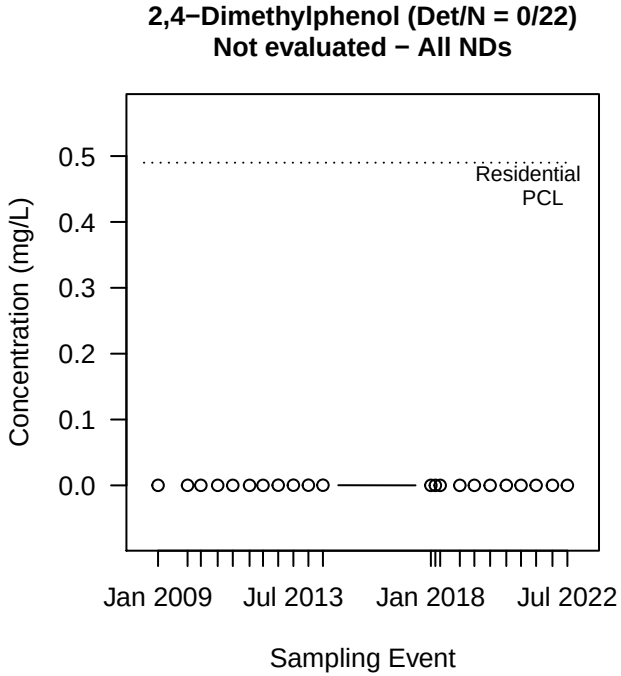


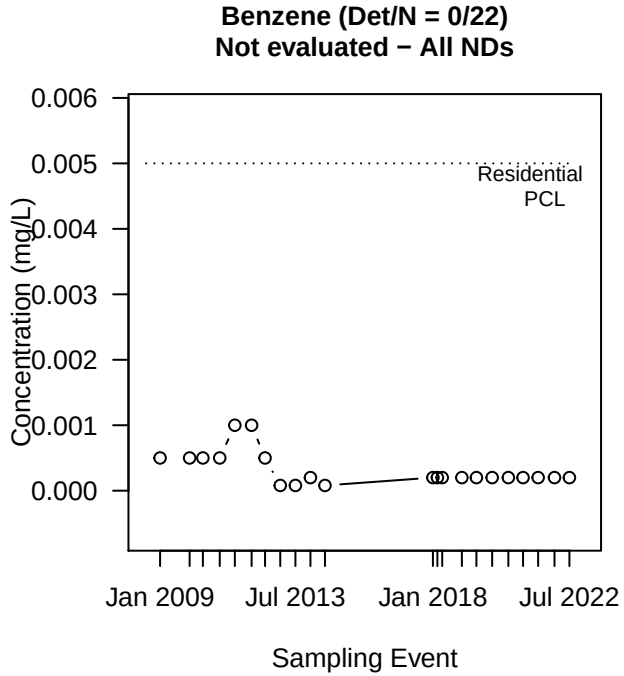
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

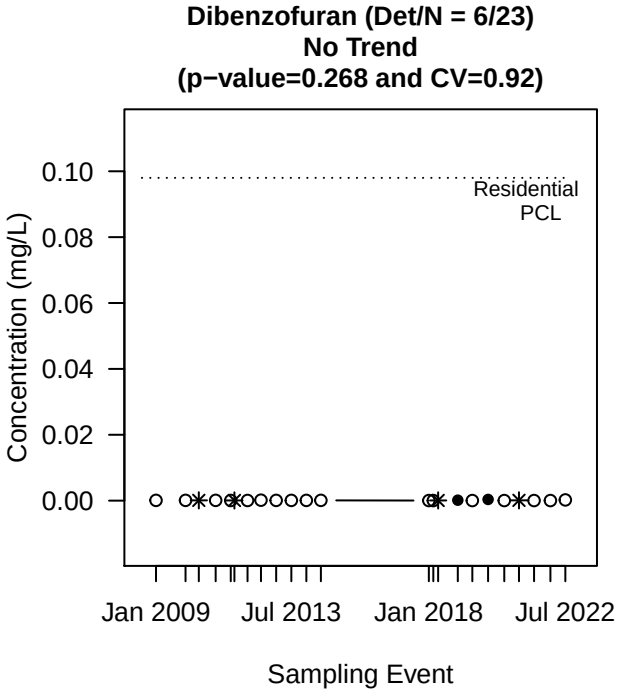
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

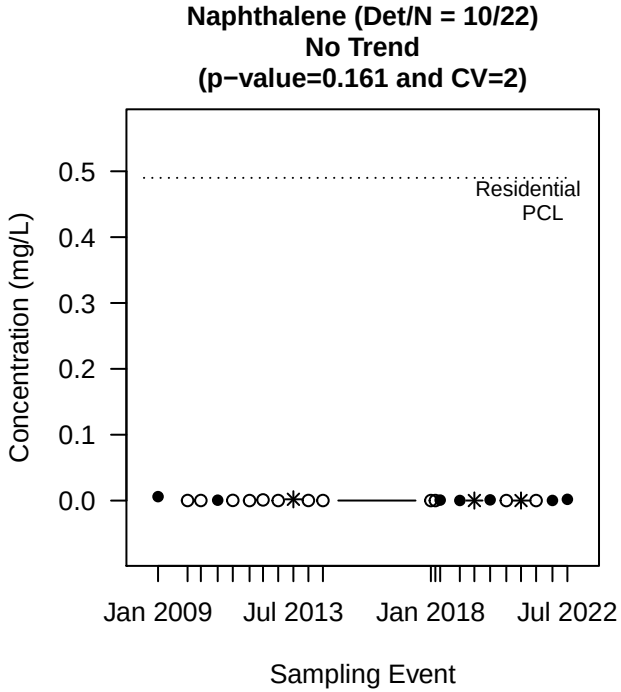
Mann−Kendall Trend Tests for MW−38A









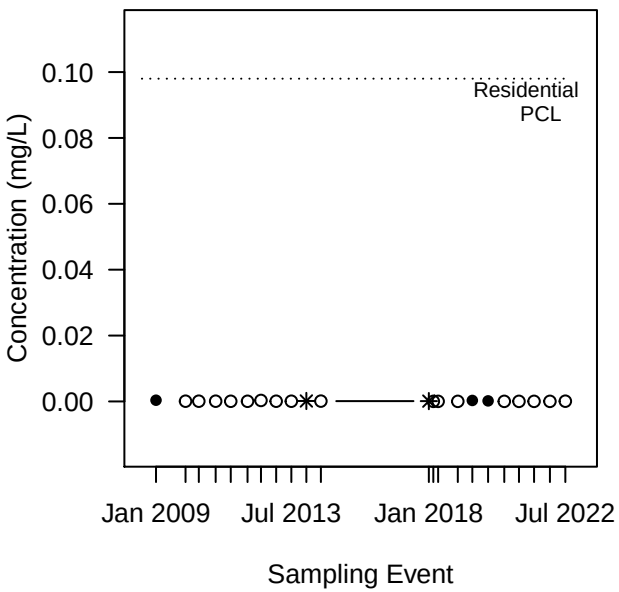


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

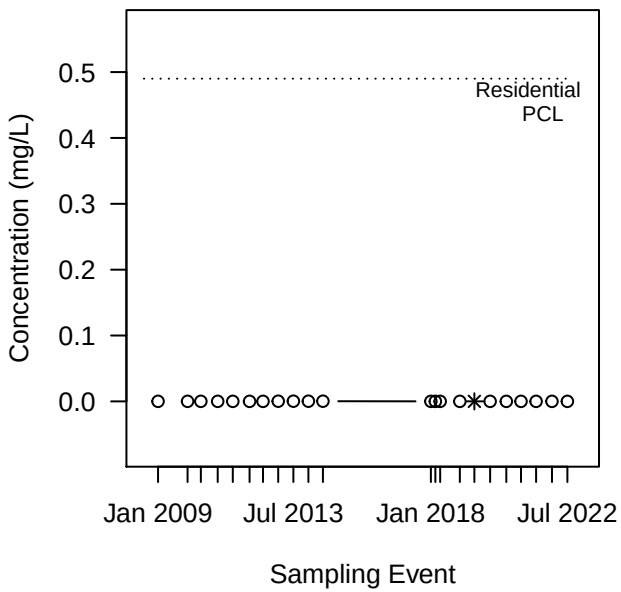
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−38B

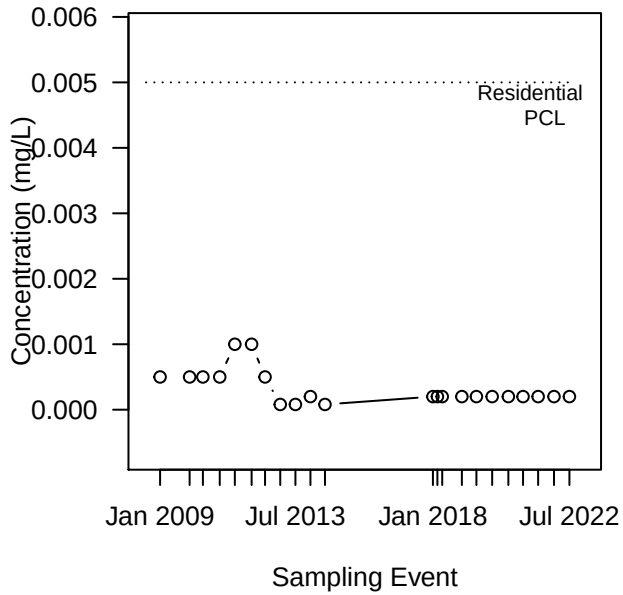
2−Methylnaphthalene (Det/N = 5/22)
No Trend
(p−value=0.439 and CV=1.1)



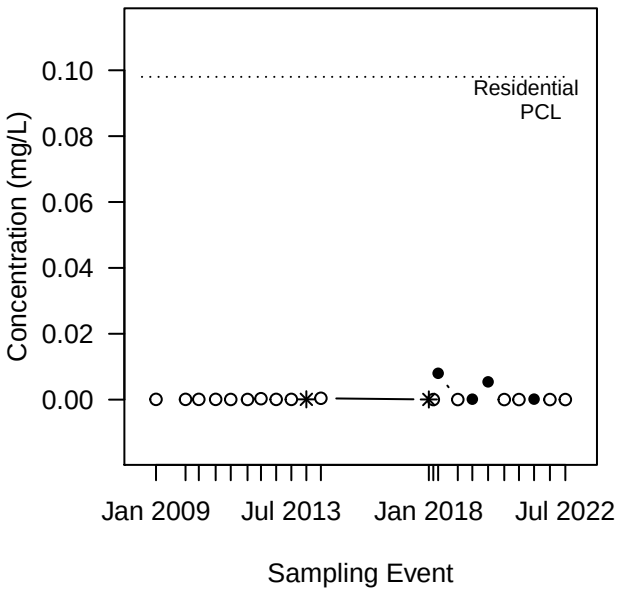
2,4−Dimethylphenol (Det/N = 1/22)
No Trend
(p−value=0.264 and CV=1)



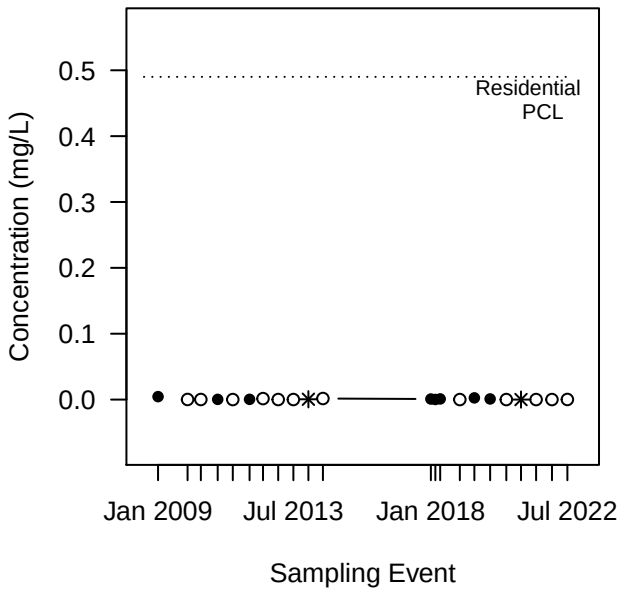
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 6/22)
Probably Increasing
(p−value=0.0557 and CV=2.9)



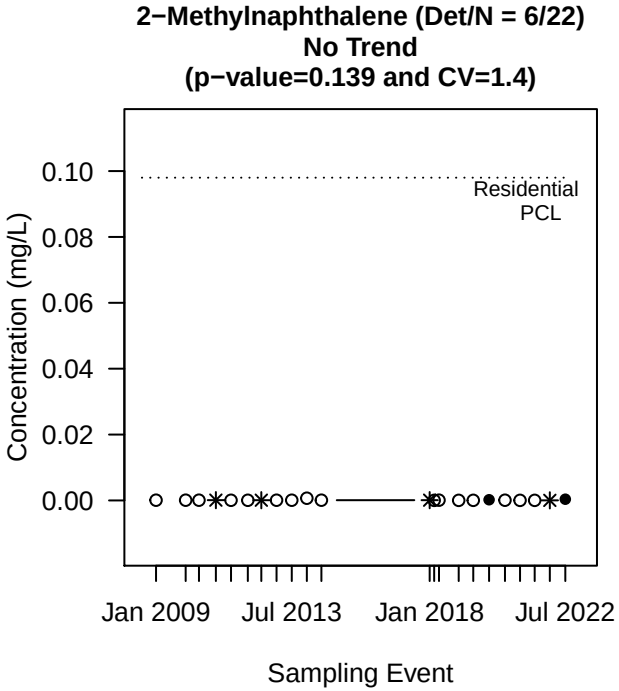
Naphthalene (Det/N = 10/22)
No Trend
(p−value=0.426 and CV=1.6)

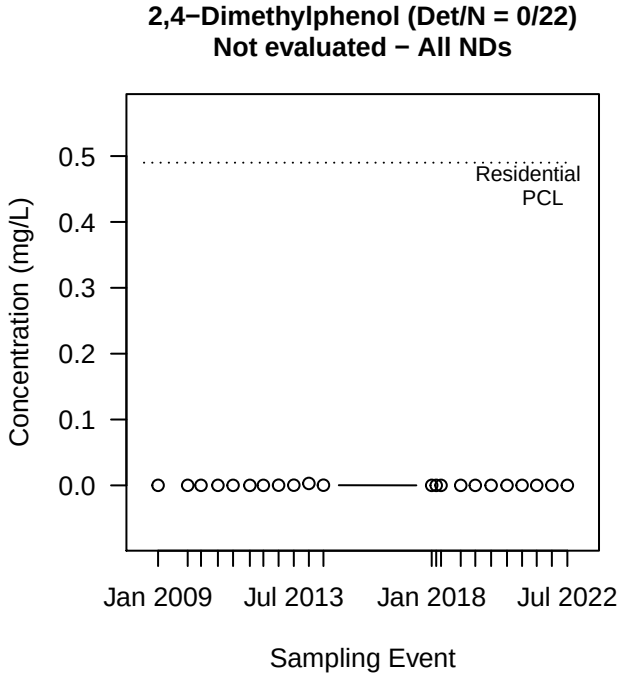


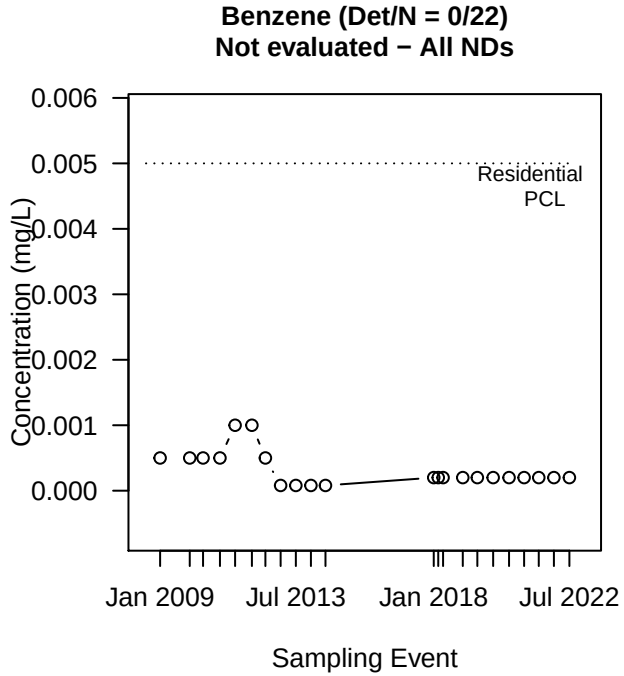
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

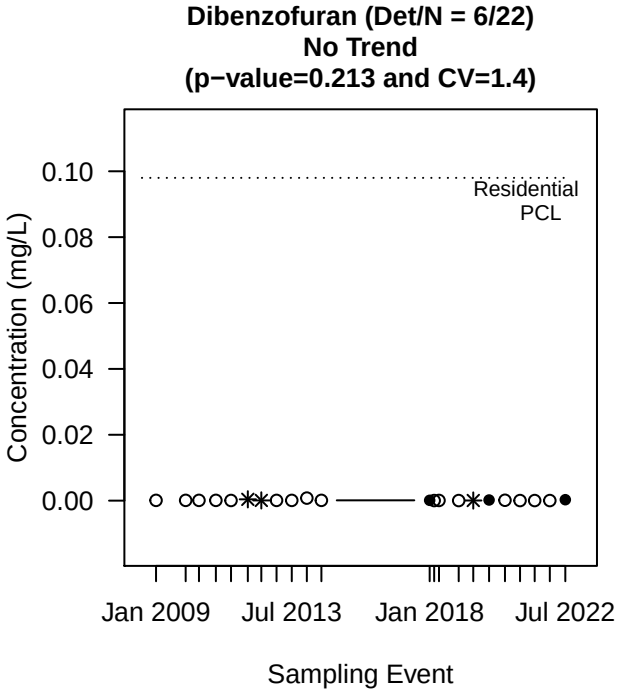
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

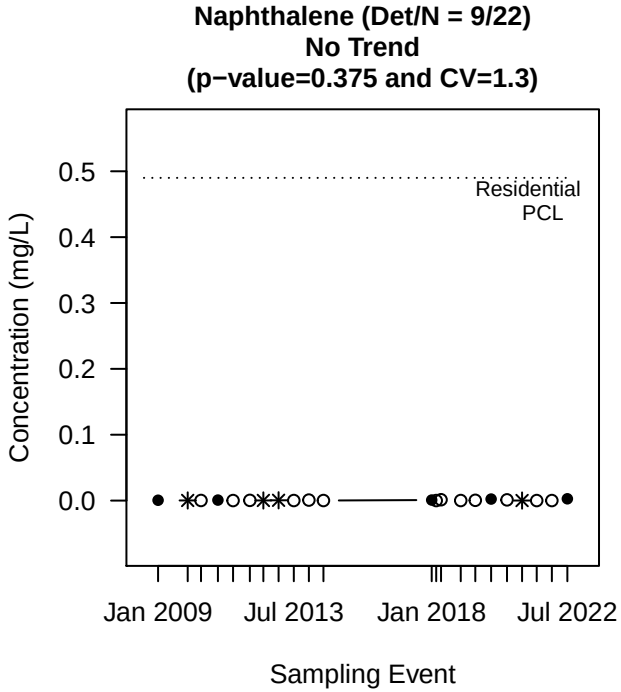
Mann−Kendall Trend Tests for MW−39B







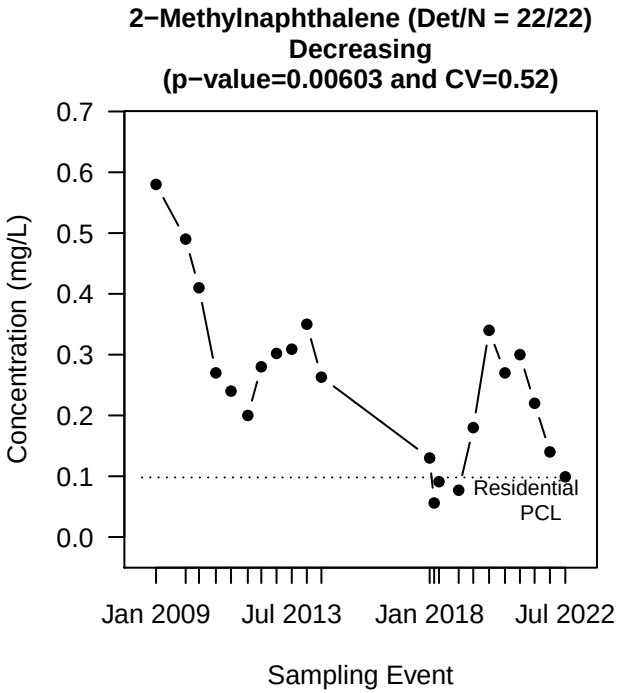


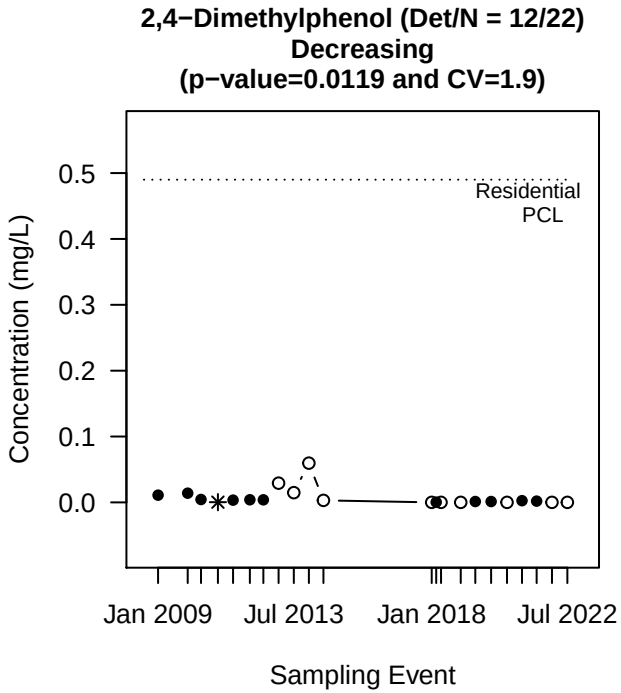


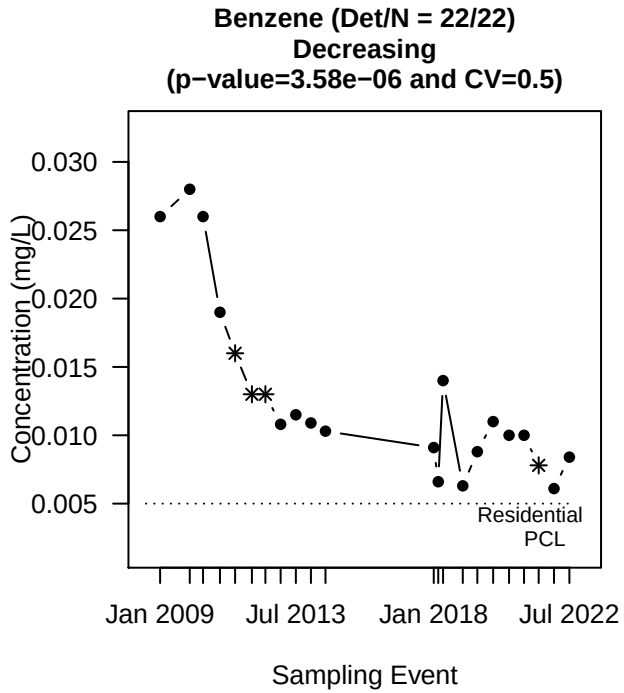
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

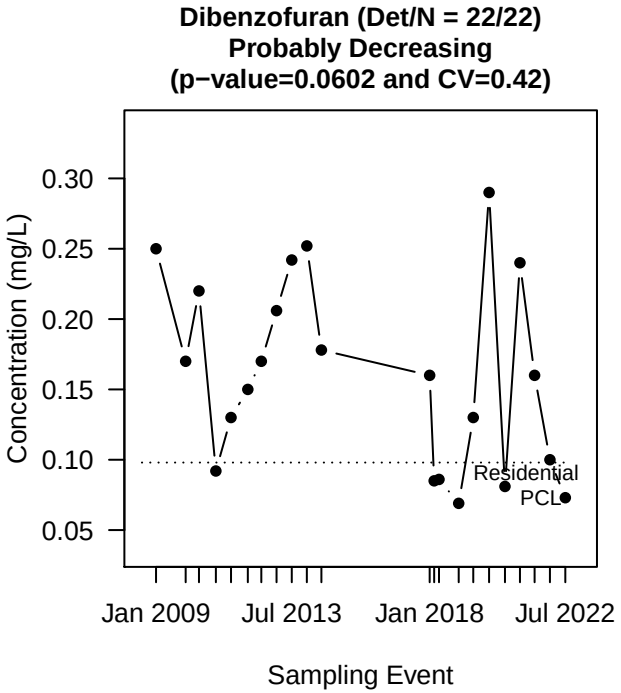
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

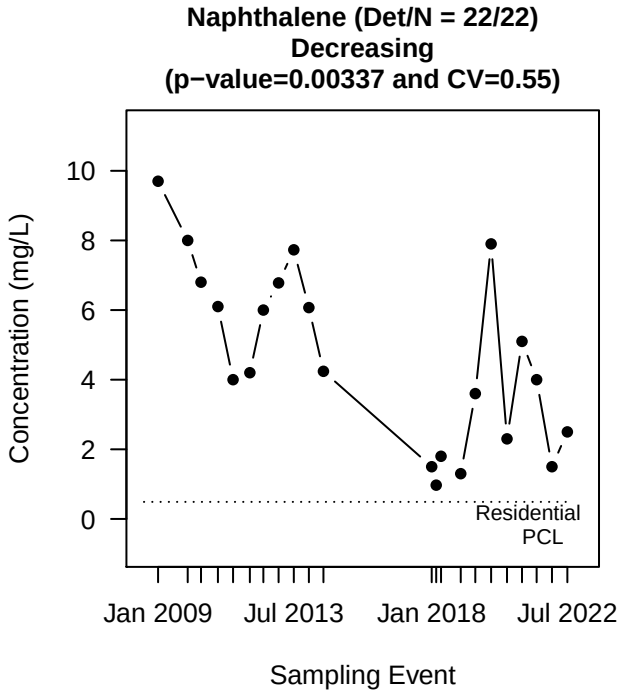
Mann−Kendall Trend Tests for MW−40B









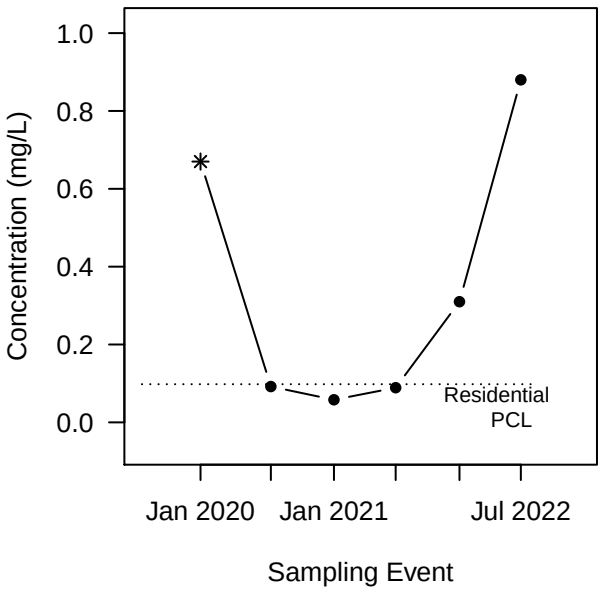


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

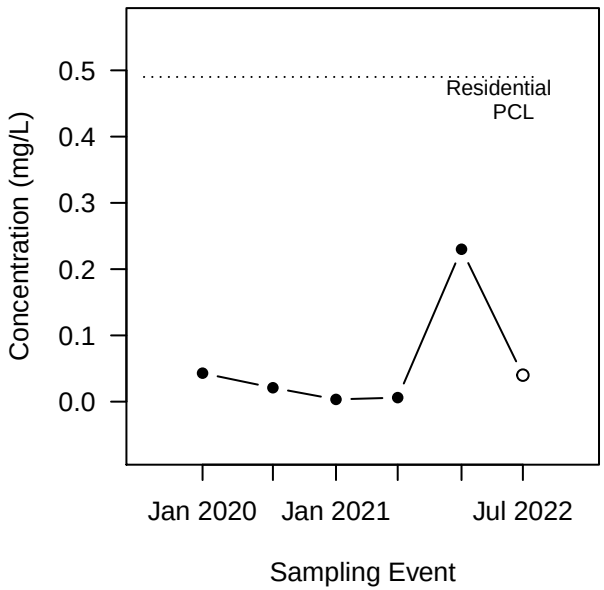
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−41B

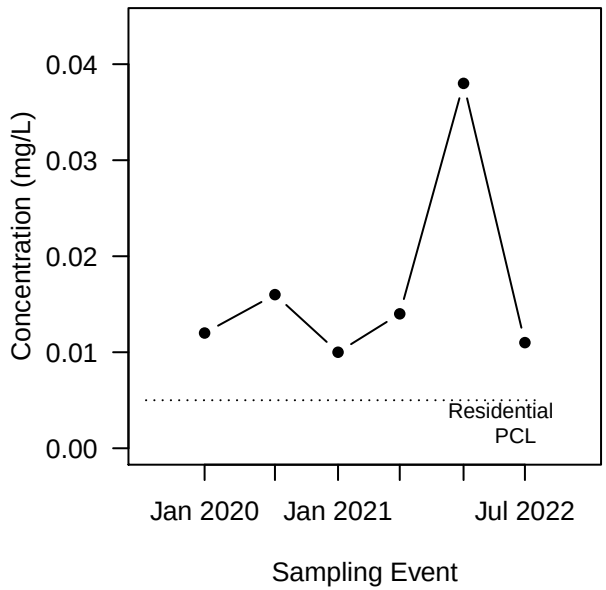
2−Methylnaphthalene (Det/N = 6/6)
No Trend
(p−value=0.354 and CV=0.99)



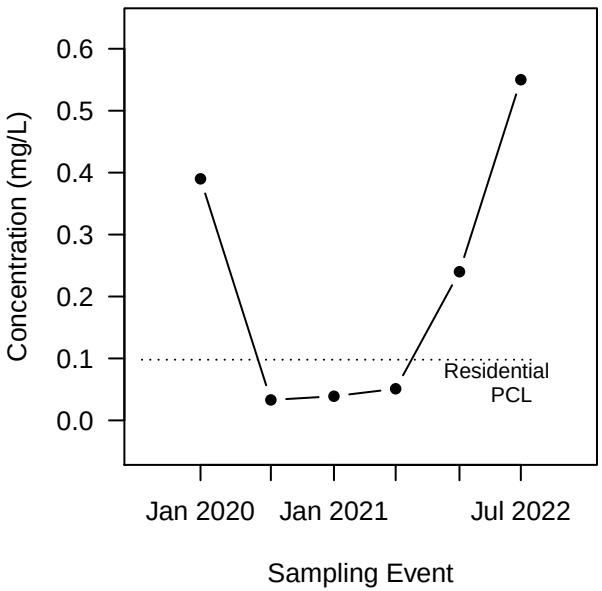
2,4−Dimethylphenol (Det/N = 5/6)
No Trend
(p−value=0.226 and CV=1.5)



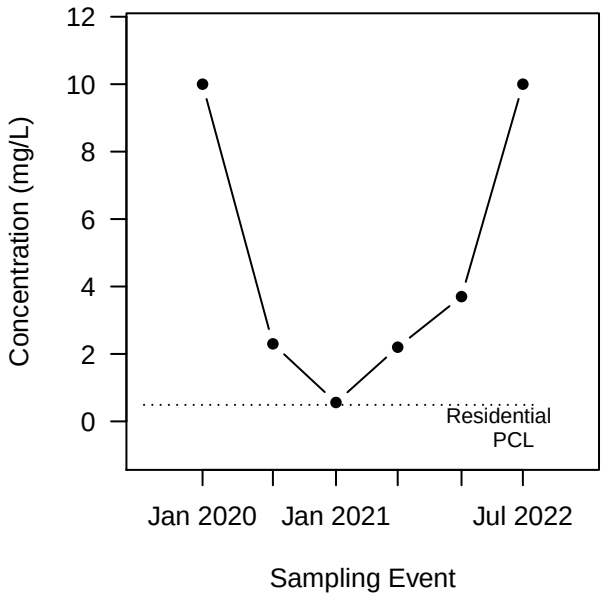
Benzene (Det/N = 6/6)
No Trend
(p−value=0.5 and CV=0.63)



Dibenzofuran (Det/N = 6/6)
No Trend
(p−value=0.13 and CV=1)



Naphthalene (Det/N = 6/6)
No Trend
(p−value=0.424 and CV=0.87)

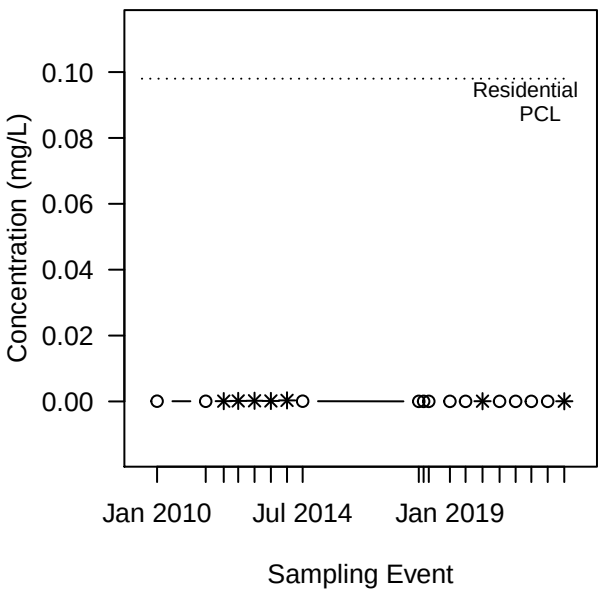


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

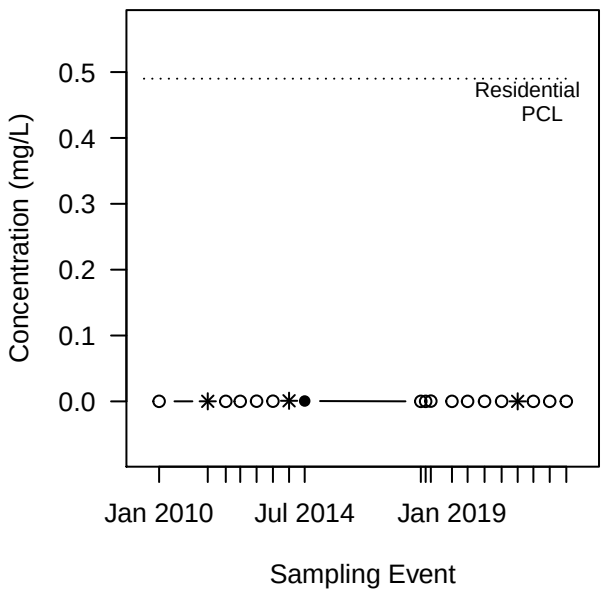
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−42B

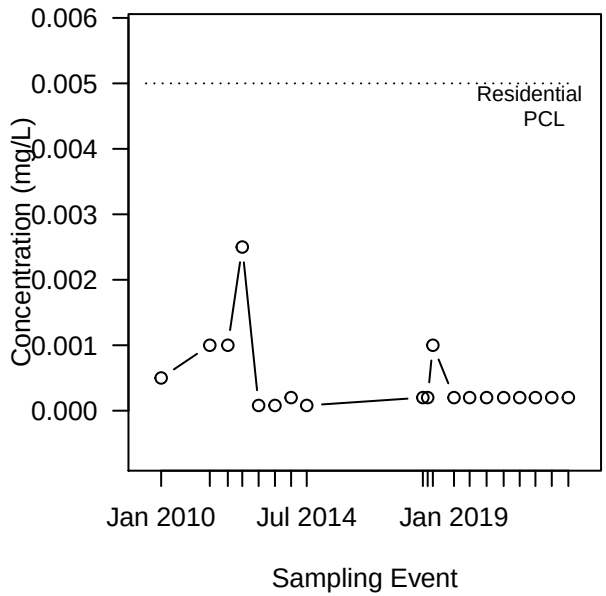
2−Methylnaphthalene (Det/N = 7/19)
No Trend
(p−value=0.127 and CV=1.1)



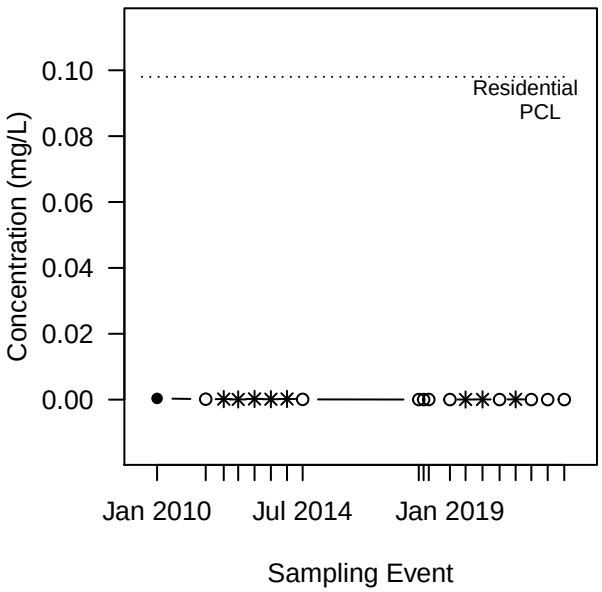
2,4−Dimethylphenol (Det/N = 4/19)
No Trend
(p−value=0.229 and CV=1.4)



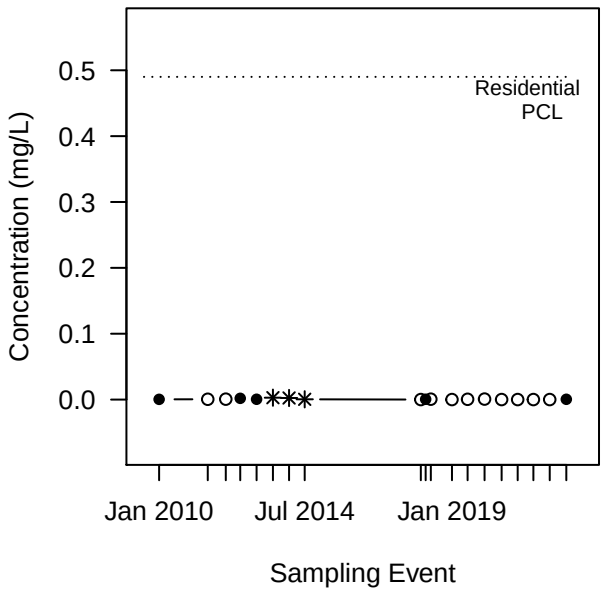
Benzene (Det/N = 0/19)
Not evaluated − All NDs



Dibenzofuran (Det/N = 9/19)
Decreasing
(p−value=0.0151 and CV=1)



Naphthalene (Det/N = 8/19)
Probably Decreasing
(p−value=0.0633 and CV=1.3)

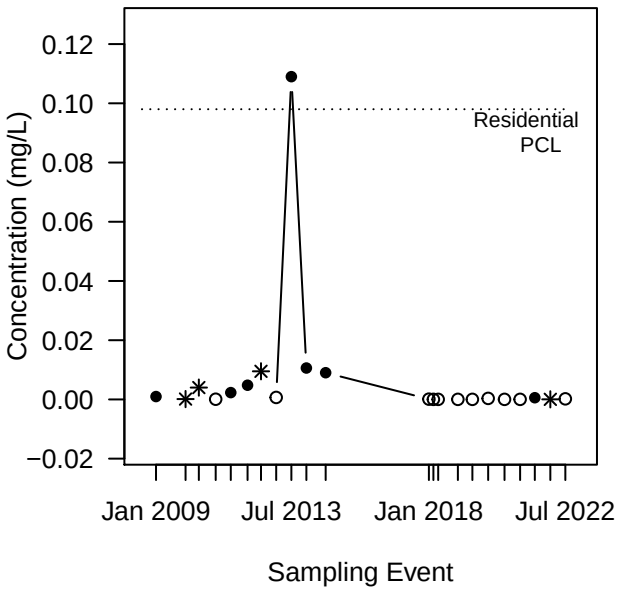


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

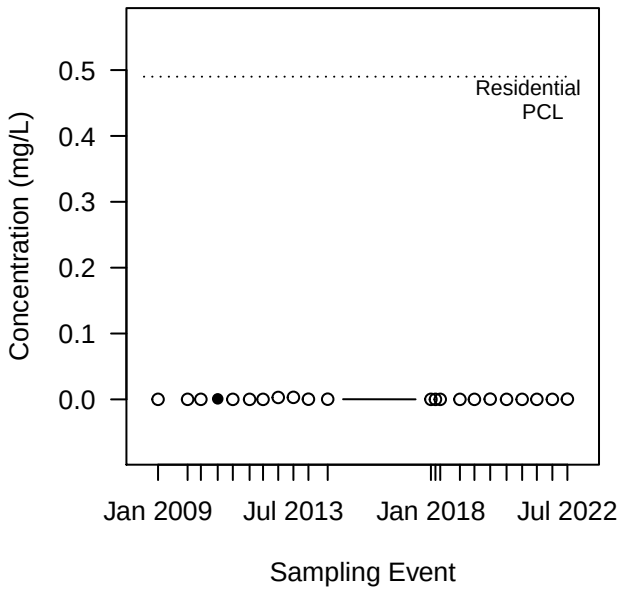
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−44A

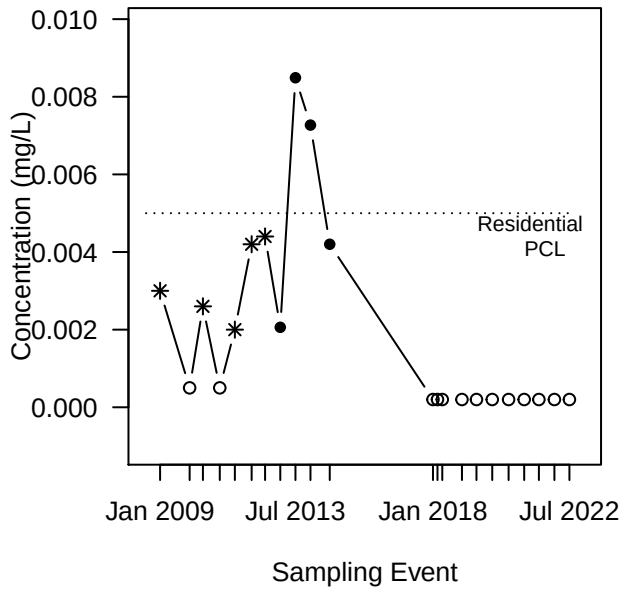
2−Methylnaphthalene (Det/N = 11/22)
Decreasing
(p−value=0.0481 and CV=3.3)



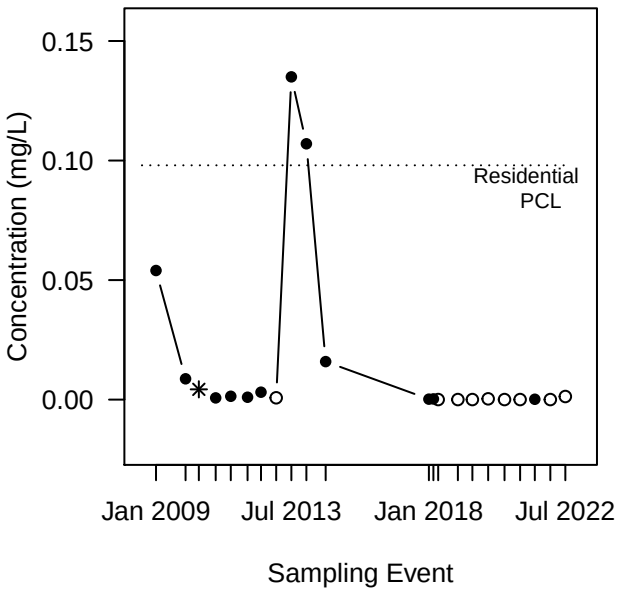
2,4−Dimethylphenol (Det/N = 1/22)
No Trend
(p−value=0.135 and CV=2.1)



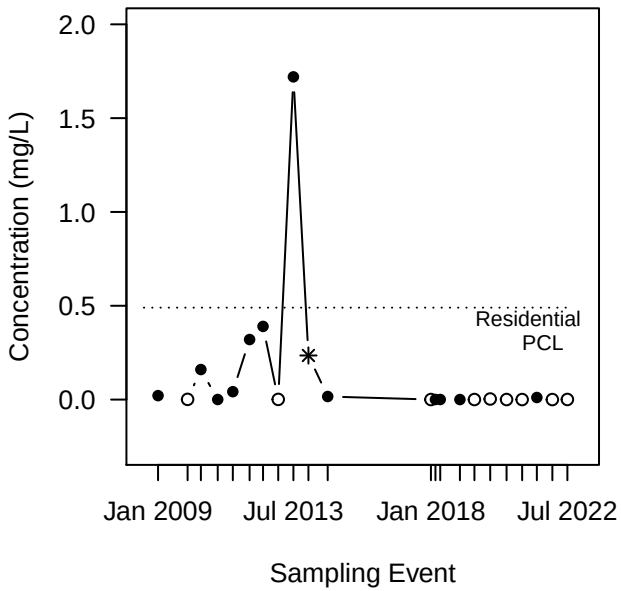
Benzene (Det/N = 9/22)
Decreasing
(p−value=0.0101 and CV=1.3)



Dibenzofuran (Det/N = 13/22)
Decreasing
(p−value=0.000274 and CV=2.4)



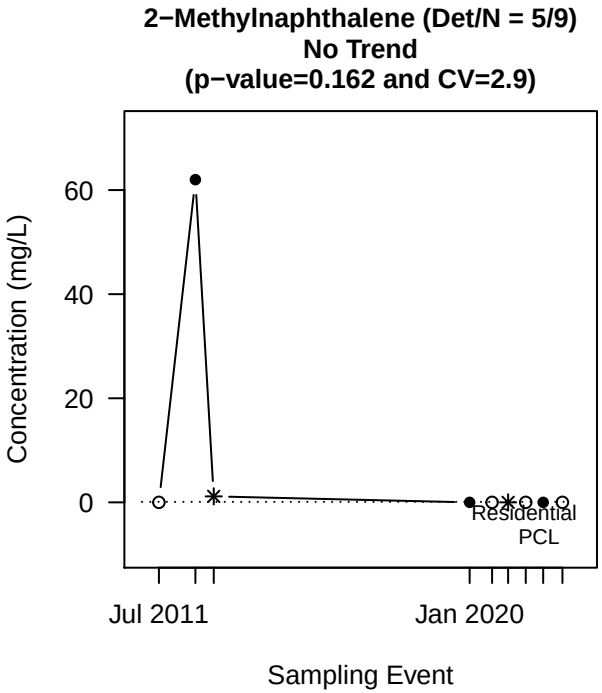
Naphthalene (Det/N = 13/22)
Decreasing
(p−value=0.00956 and CV=2.8)

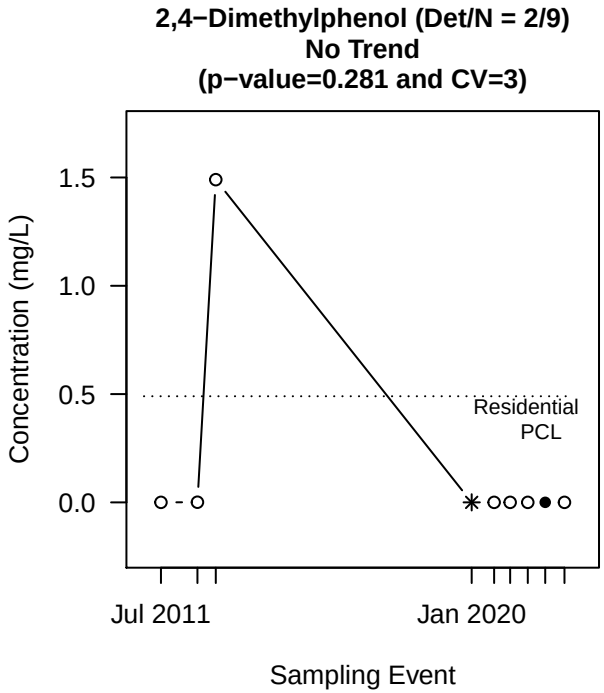


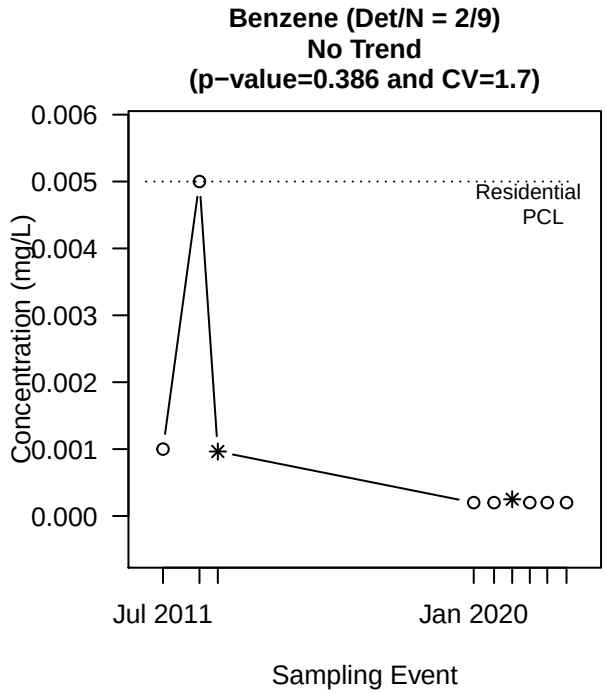
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

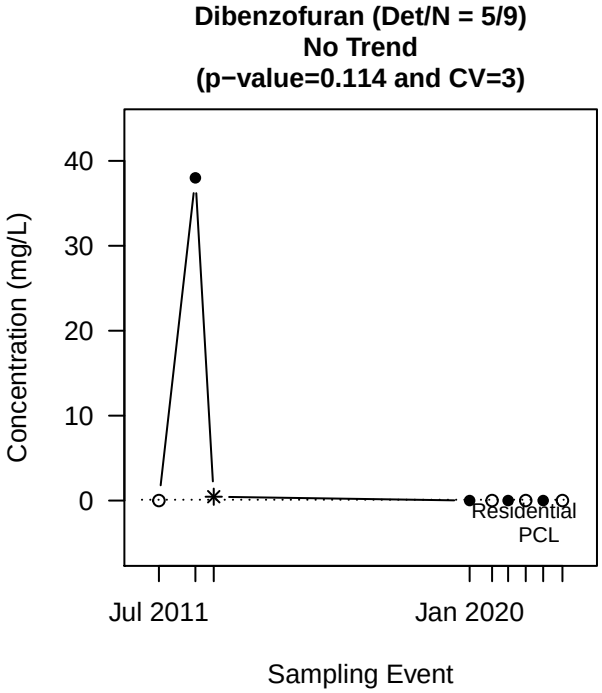
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

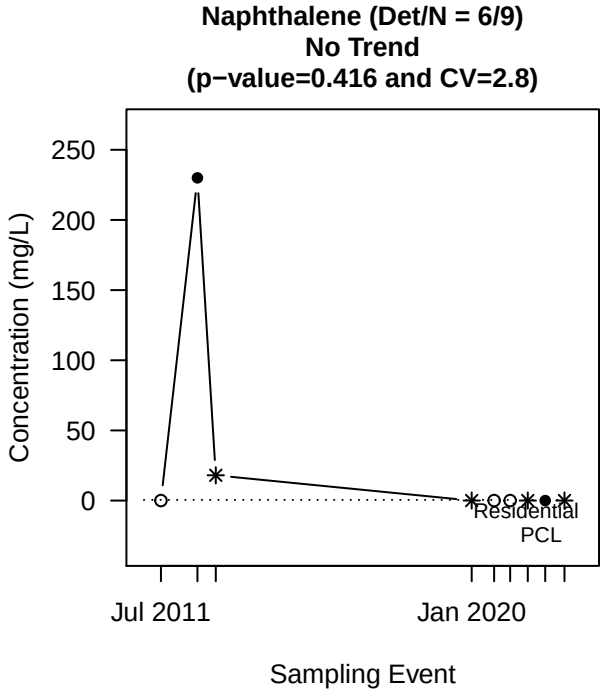
Mann−Kendall Trend Tests for MW−44C









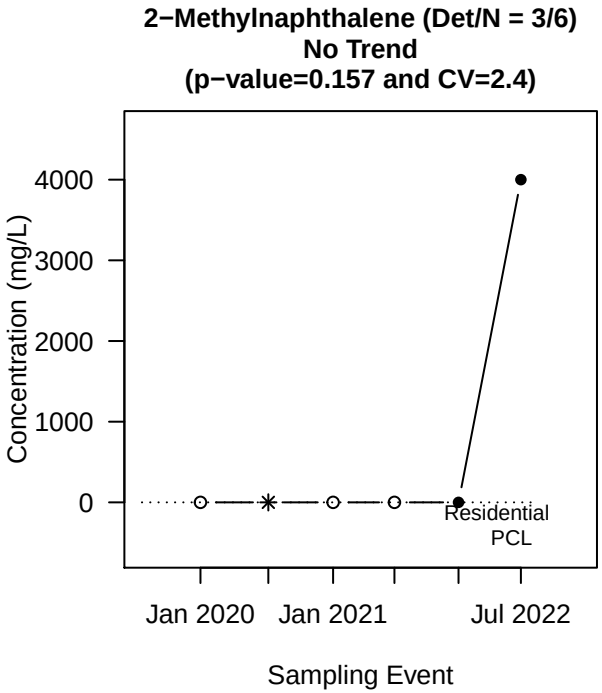


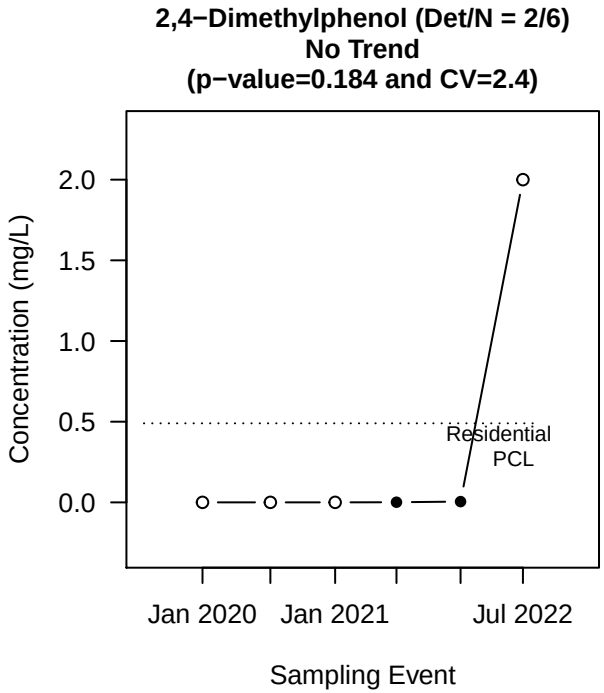
LEGEND:
Concentration

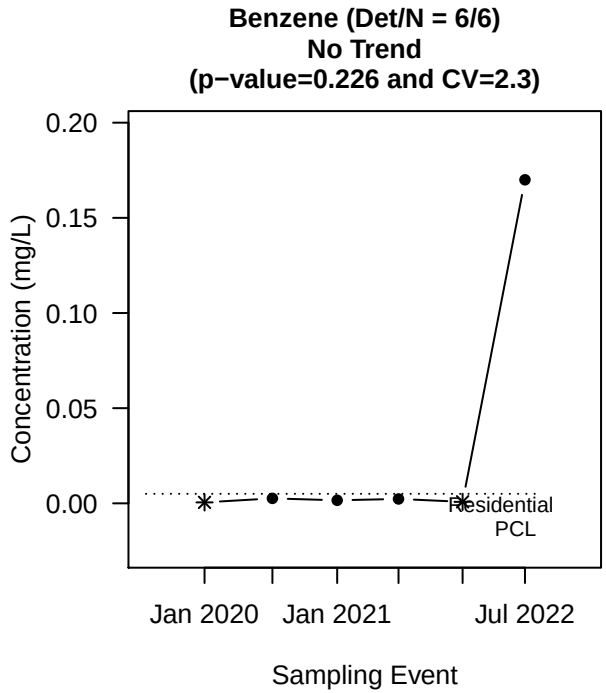
- DET
- DET, J−flagged
- ND (DL plotted)

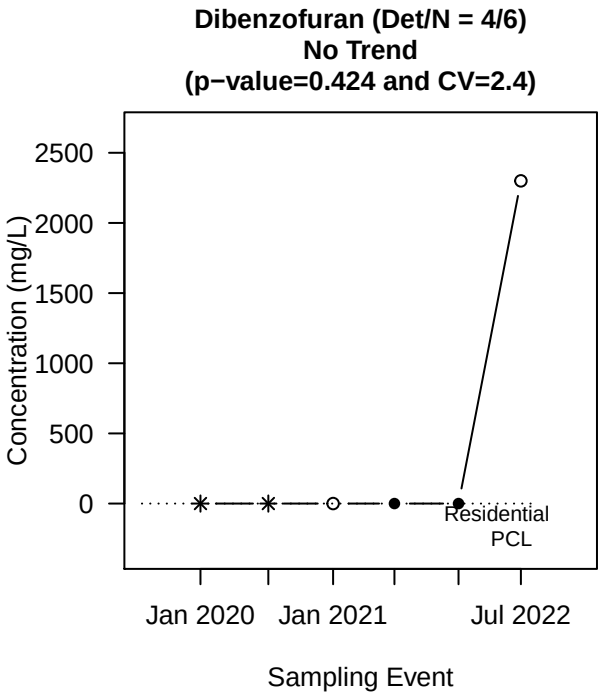
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

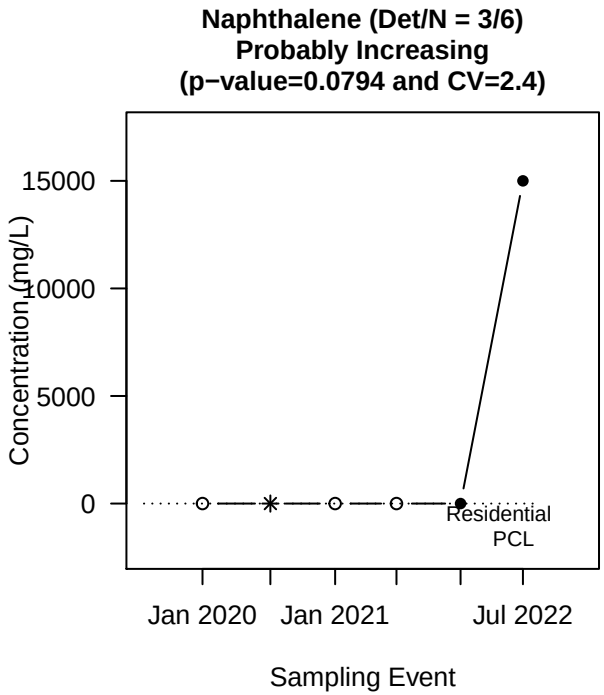
Mann−Kendall Trend Tests for MW−45C









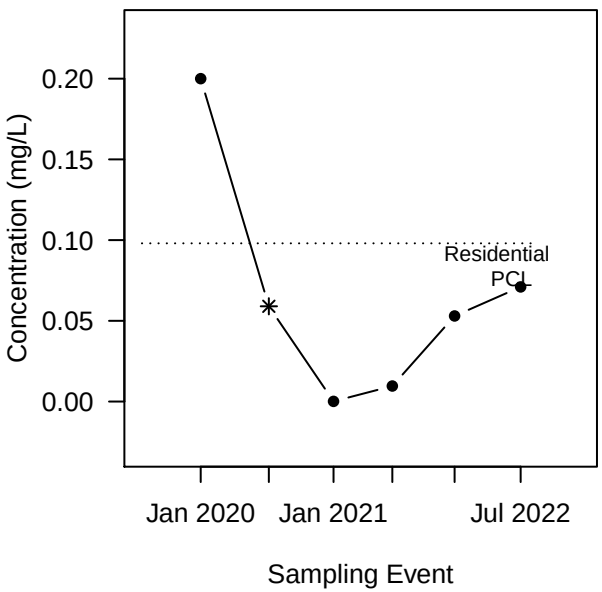


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

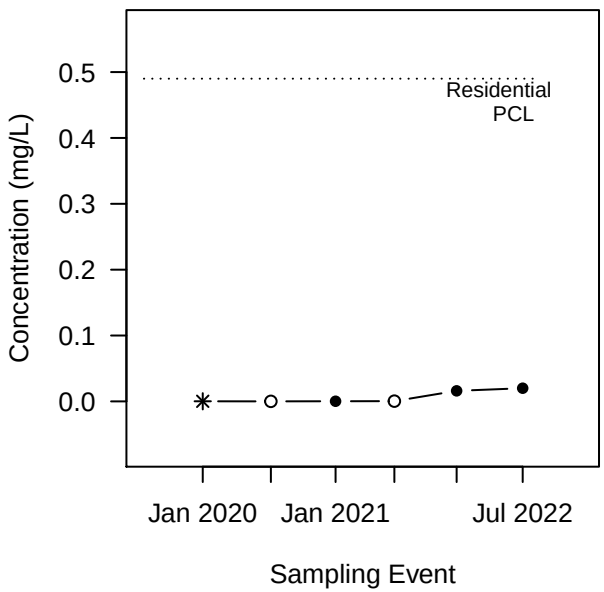
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−46C

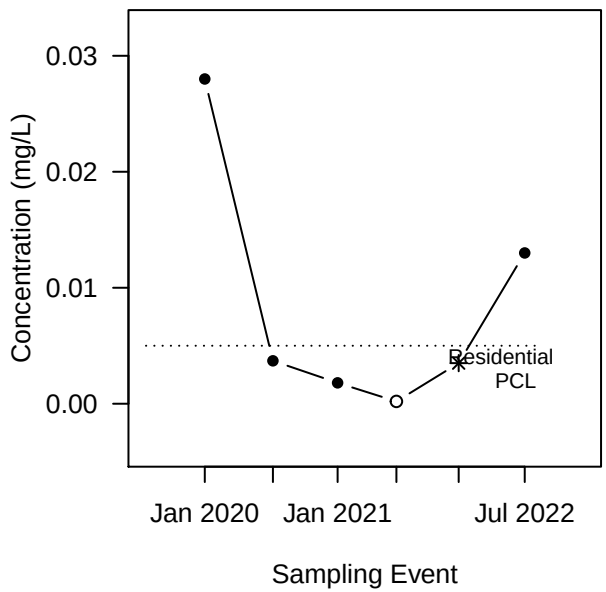
2−Methylnaphthalene (Det/N = 6/6)
No Trend
(p−value=0.5 and CV=1.1)



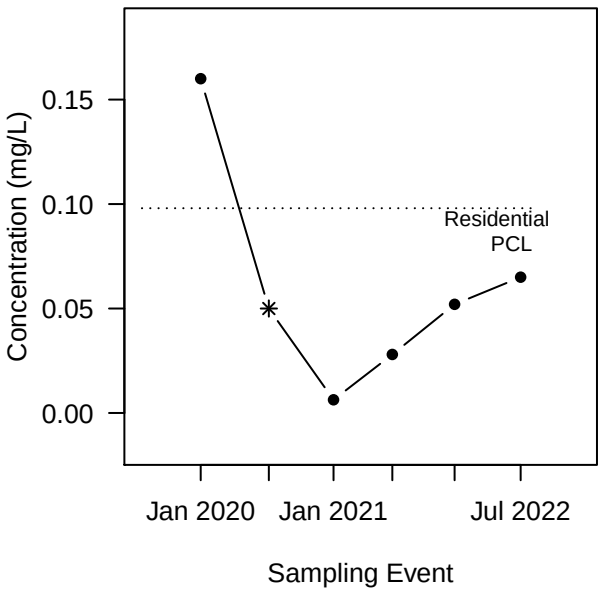
2,4−Dimethylphenol (Det/N = 4/6)
Probably Increasing
(p−value=0.0903 and CV=1.5)



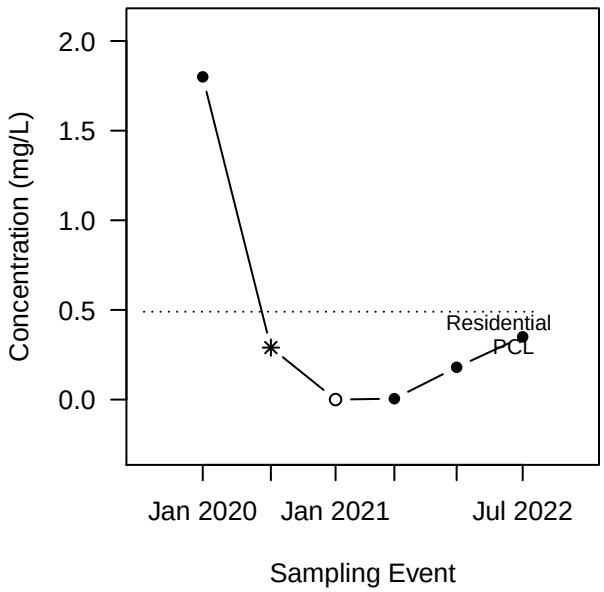
Benzene (Det/N = 5/6)
No Trend
(p−value=0.354 and CV=1.3)



Dibenzofuran (Det/N = 6/6)
No Trend
(p−value=0.5 and CV=0.88)



Naphthalene (Det/N = 5/6)
No Trend
(p−value=0.5 and CV=1.6)

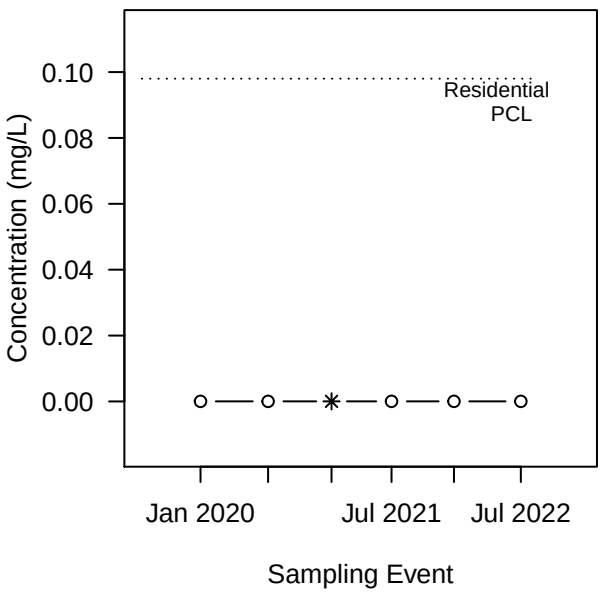


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

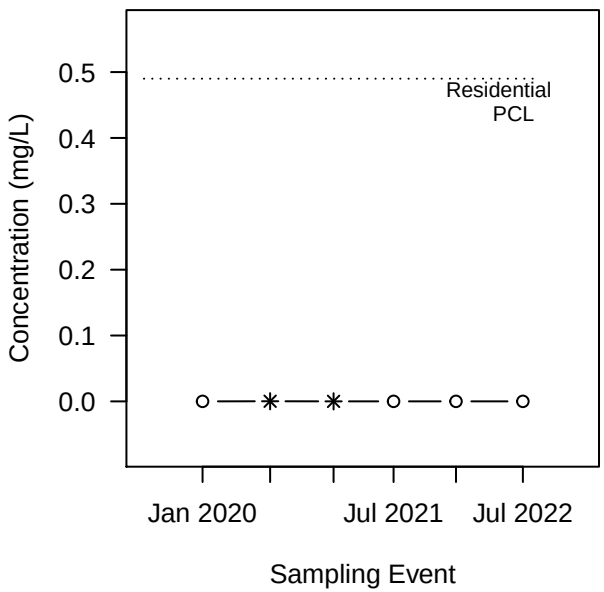
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−47A

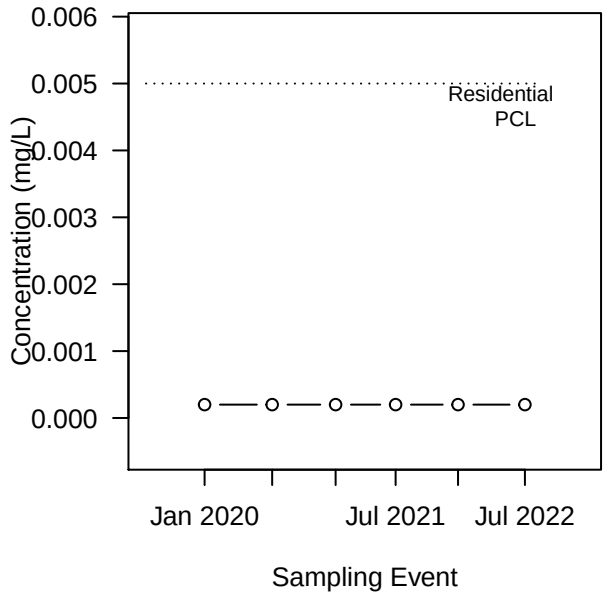
2−Methylnaphthalene (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=0.083)



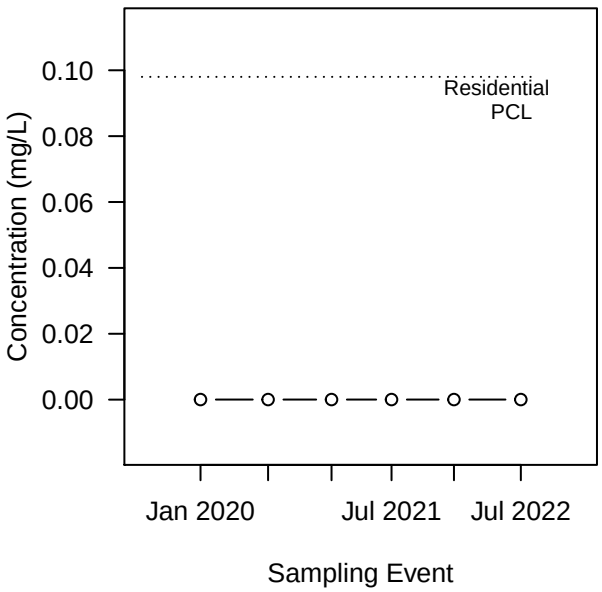
2,4−Dimethylphenol (Det/N = 2/6)
Stable
(p−value=0.184 and CV=0.92)



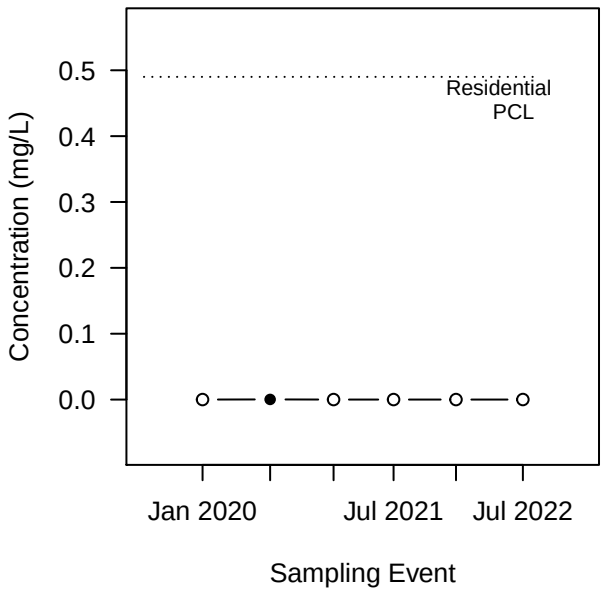
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Naphthalene (Det/N = 1/6)
No Trend
(p−value=0.279 and CV=1.4)

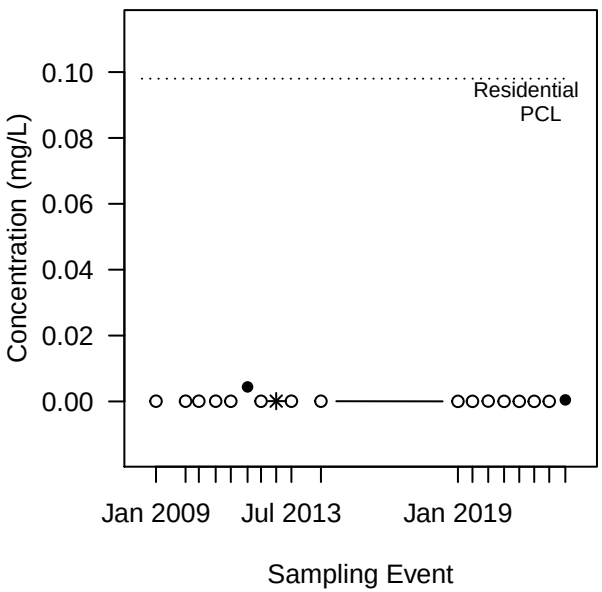


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

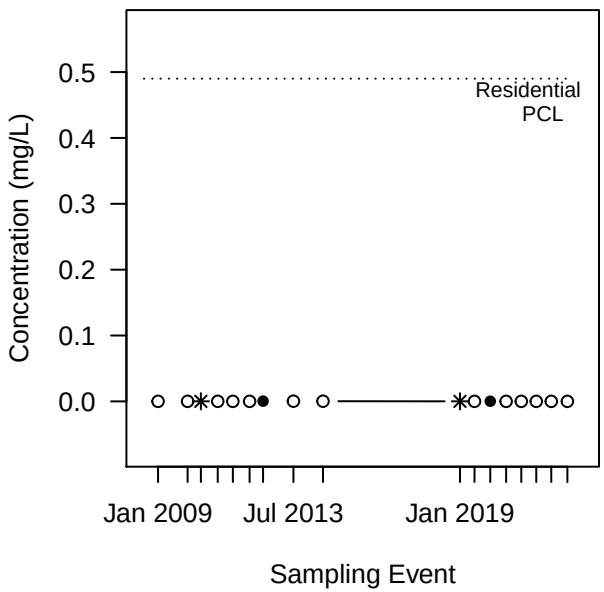
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−47C

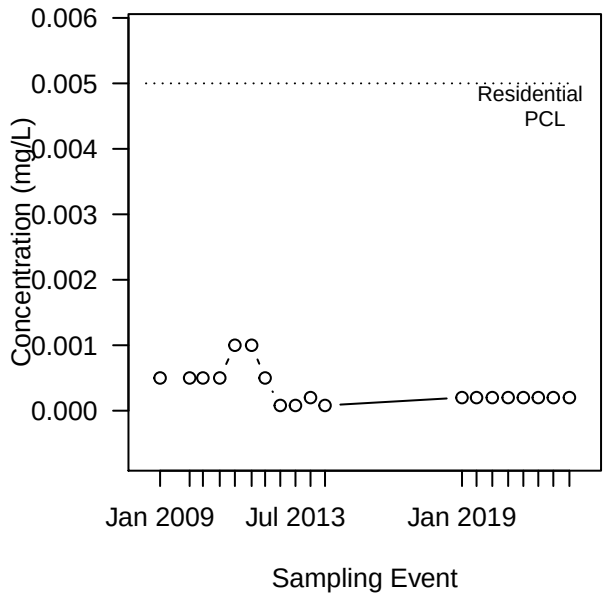
2−Methylnaphthalene (Det/N = 3/18)
No Trend
(p−value=0.384 and CV=3.2)



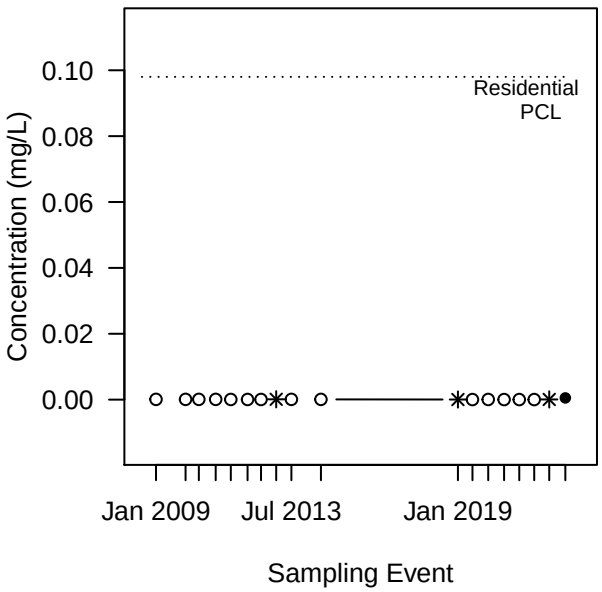
2,4−Dimethylphenol (Det/N = 4/17)
Stable
(p−value=0.348 and CV=0.98)



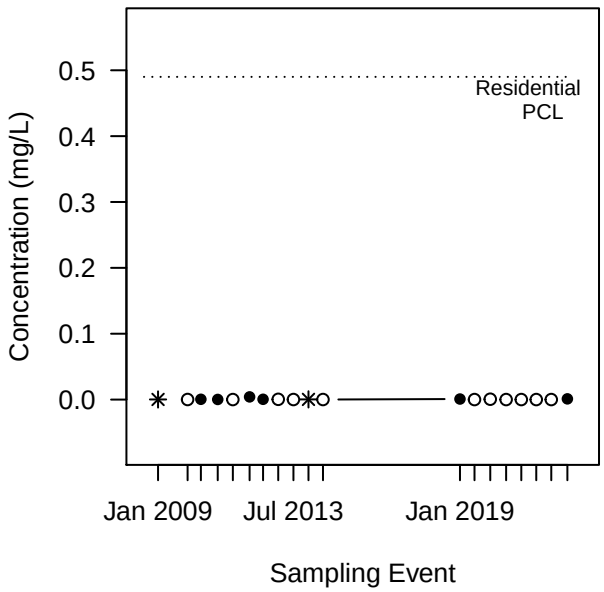
Benzene (Det/N = 0/19)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/18)
Increasing
(p−value=0.0417 and CV=1.4)



Naphthalene (Det/N = 8/19)
No Trend
(p−value=0.194 and CV=2)

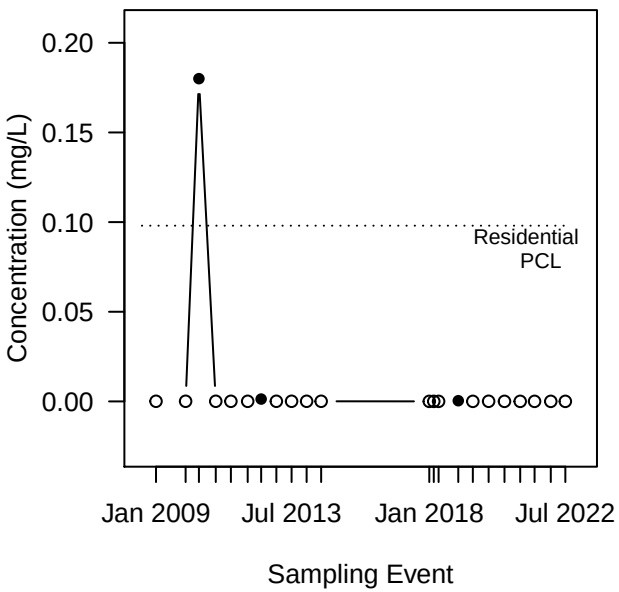


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

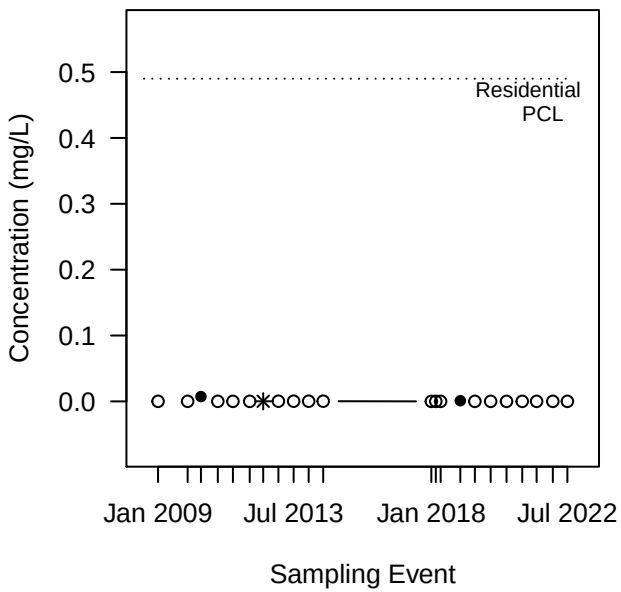
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−48C

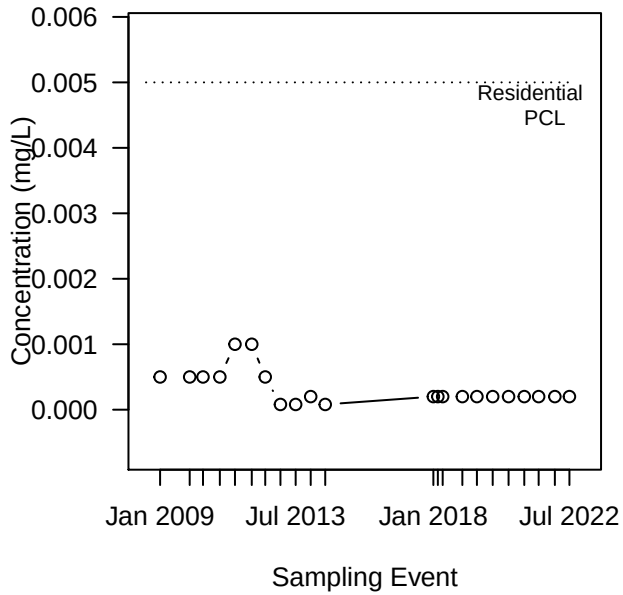
2−Methylnaphthalene (Det/N = 3/22)
No Trend
(p−value=0.159 and CV=4.6)



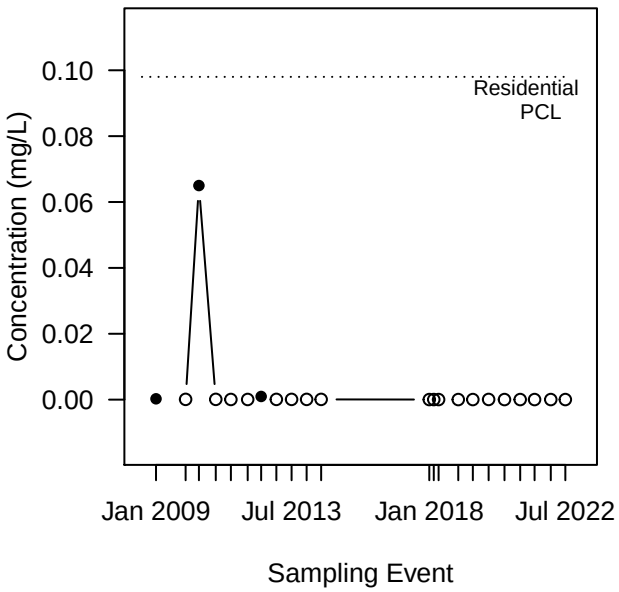
2,4−Dimethylphenol (Det/N = 3/22)
No Trend
(p−value=0.183 and CV=3.3)



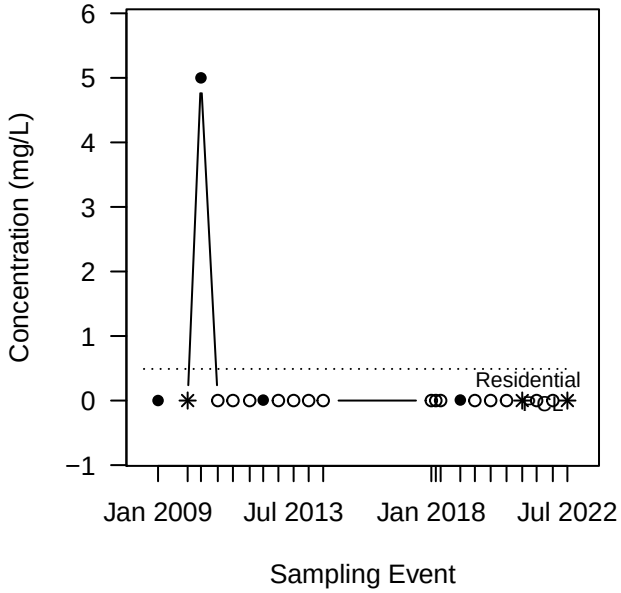
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 3/22)
Decreasing
(p−value=0.016 and CV=4.5)



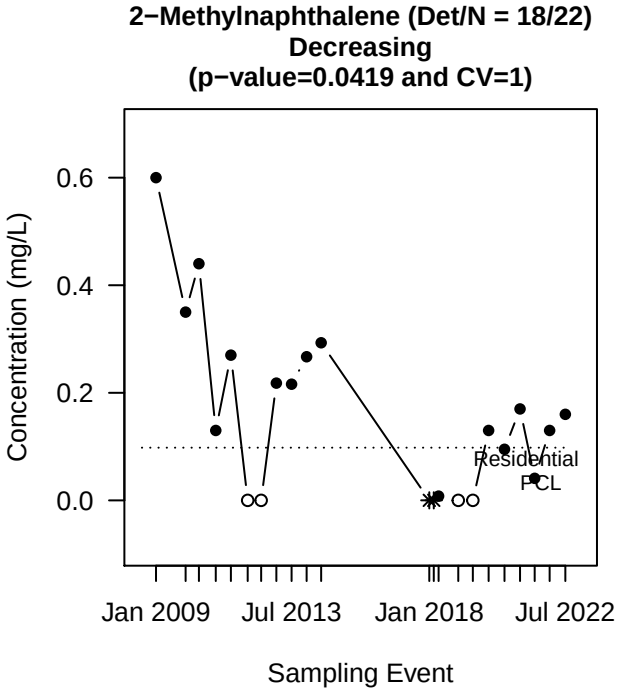
Naphthalene (Det/N = 7/22)
No Trend
(p−value=0.16 and CV=4.7)

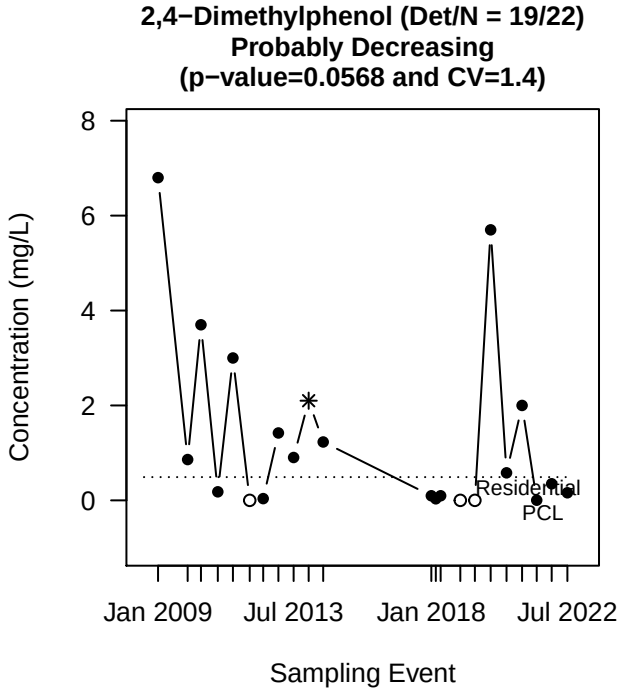


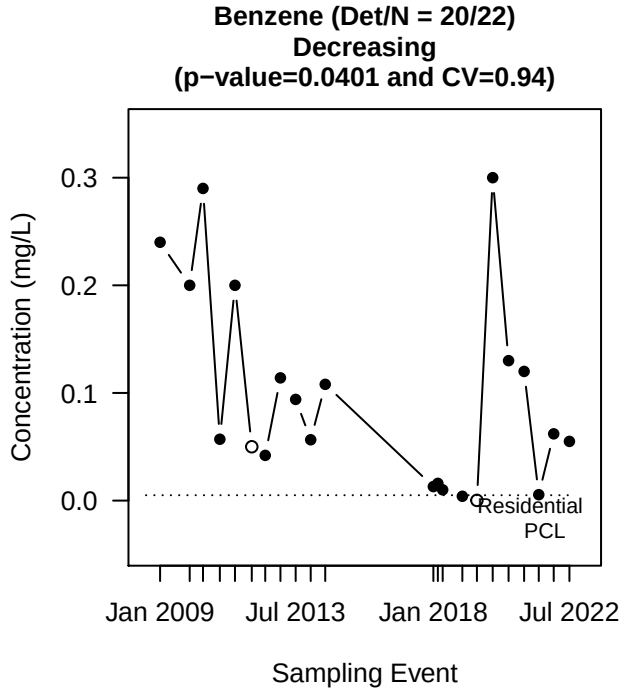
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

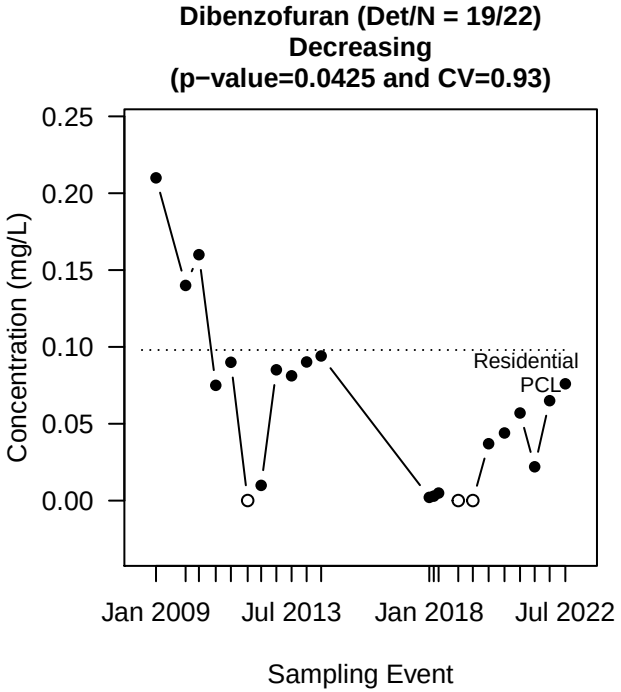
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

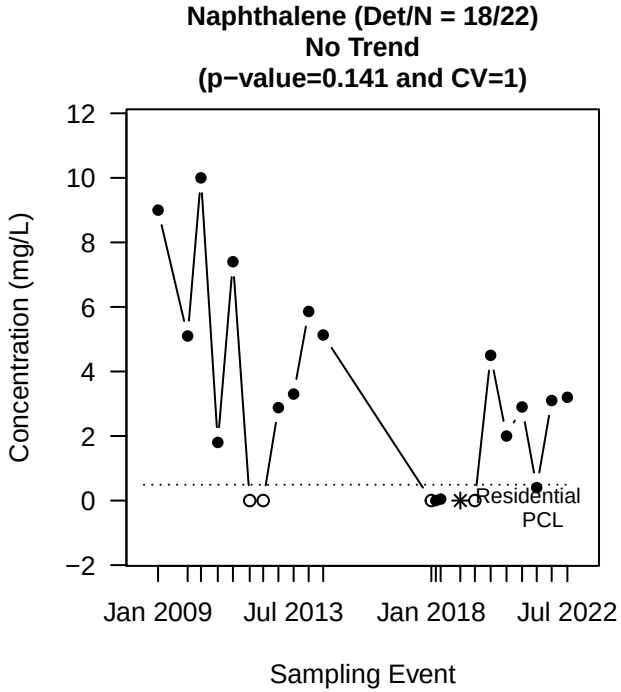
Mann−Kendall Trend Tests for MW−49A









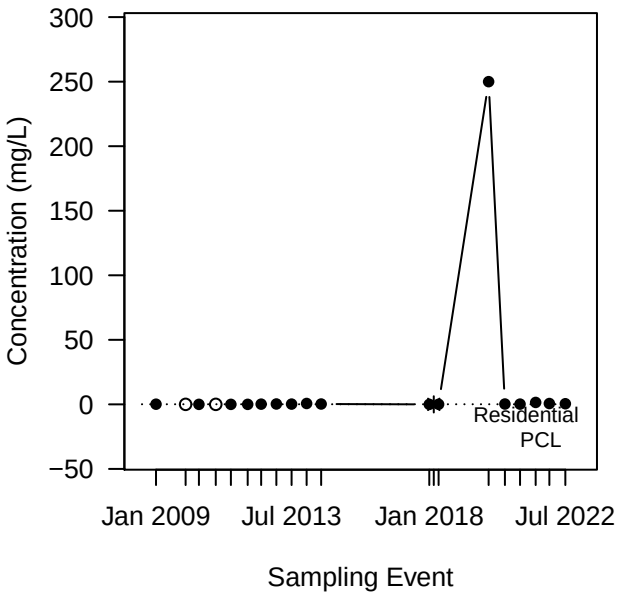


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

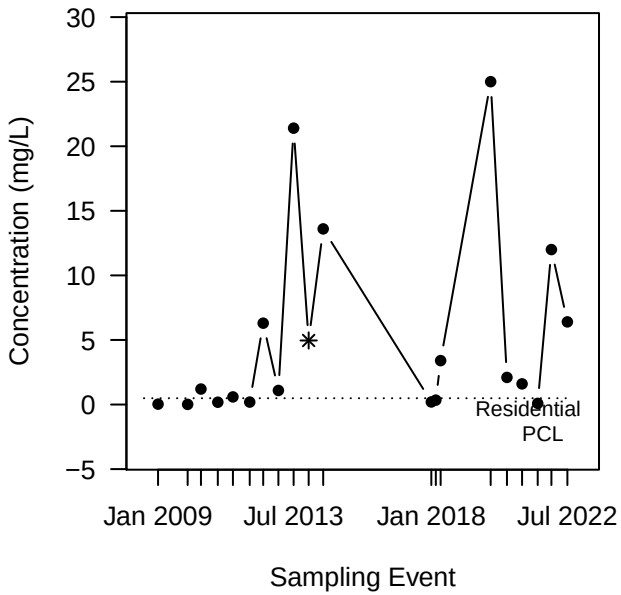
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−49B

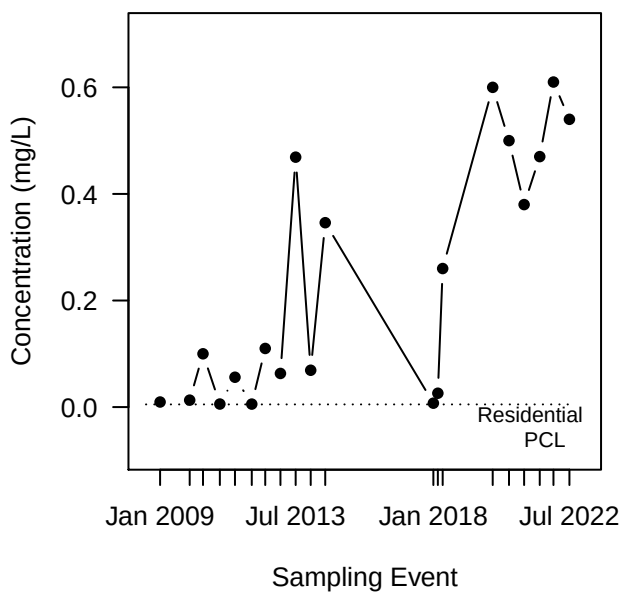
2−Methylnaphthalene (Det/N = 18/20)
Increasing
(p−value=0.00214 and CV=4.4)



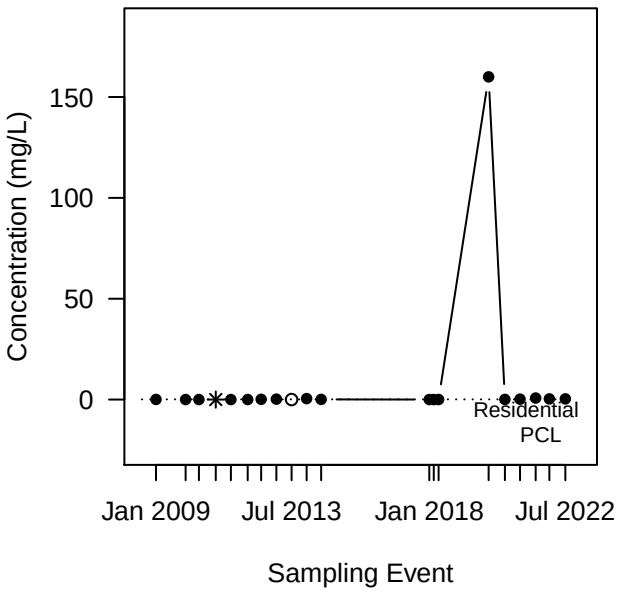
2,4−Dimethylphenol (Det/N = 20/20)
Increasing
(p−value=0.0205 and CV=1.5)



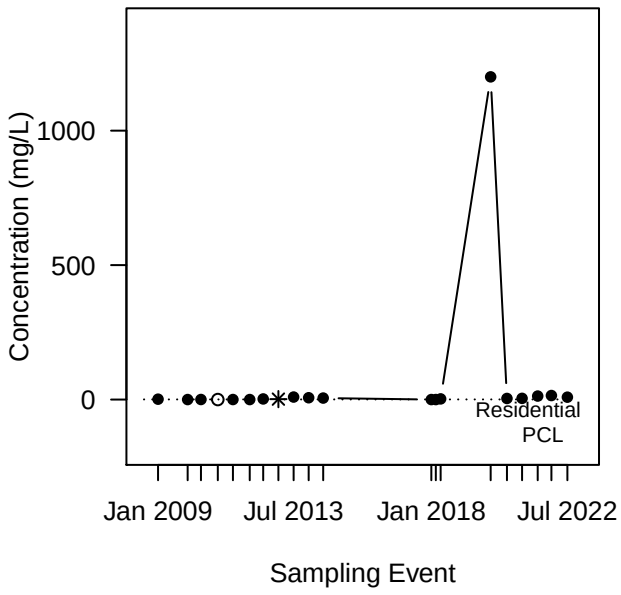
Benzene (Det/N = 20/20)
Increasing
(p−value=0.000259 and CV=0.99)



Dibenzofuran (Det/N = 19/20)
Increasing
(p−value=0.00214 and CV=4.4)



Naphthalene (Det/N = 19/20)
Increasing
(p−value=0.00194 and CV=4.2)

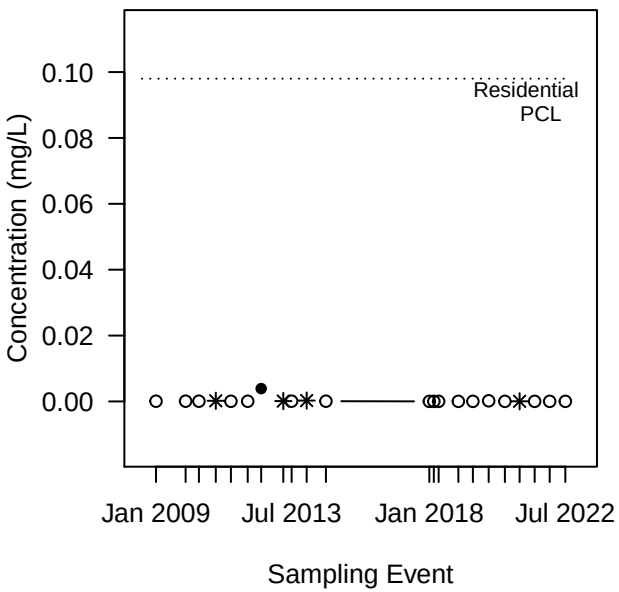


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

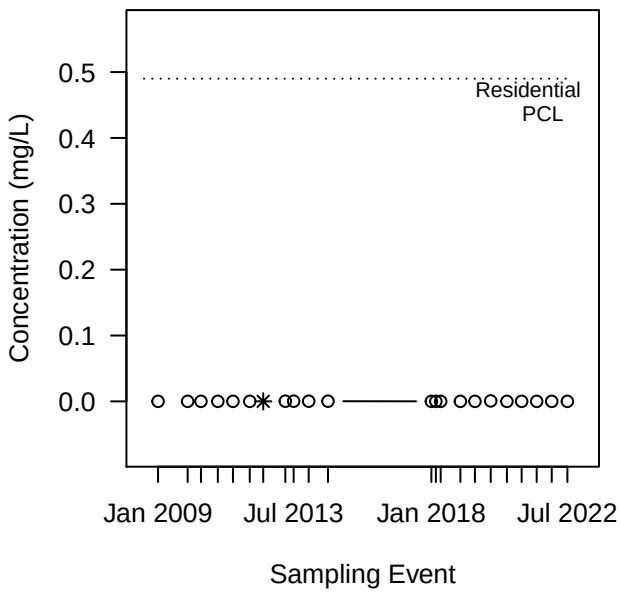
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−50A

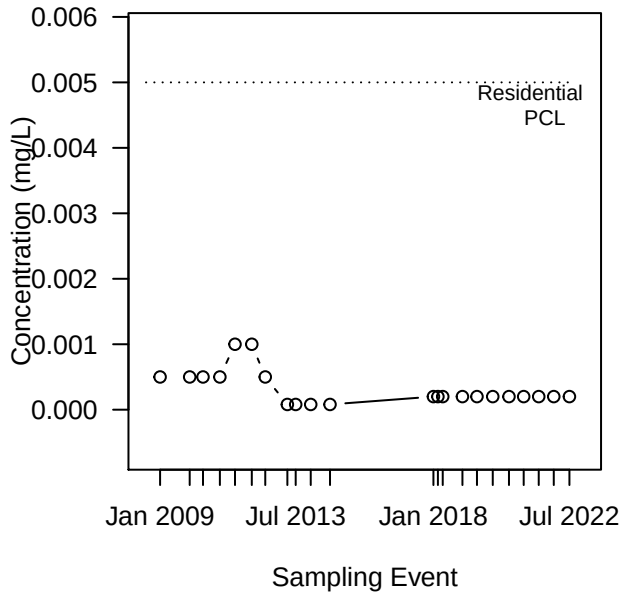
2−Methylnaphthalene (Det/N = 5/22)
No Trend
(p−value=0.197 and CV=3.4)



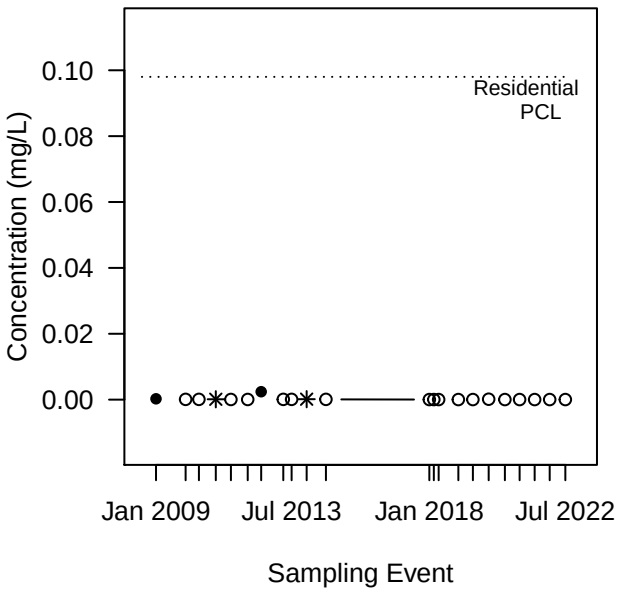
2,4−Dimethylphenol (Det/N = 1/22)
No Trend
(p−value=0.264 and CV=1.3)



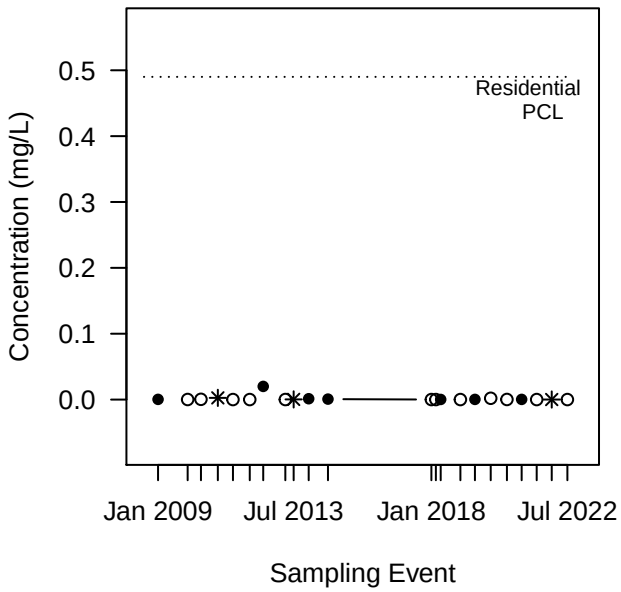
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/22)
Decreasing
(p−value=0.0236 and CV=3)



Naphthalene (Det/N = 10/22)
No Trend
(p−value=0.211 and CV=3.2)

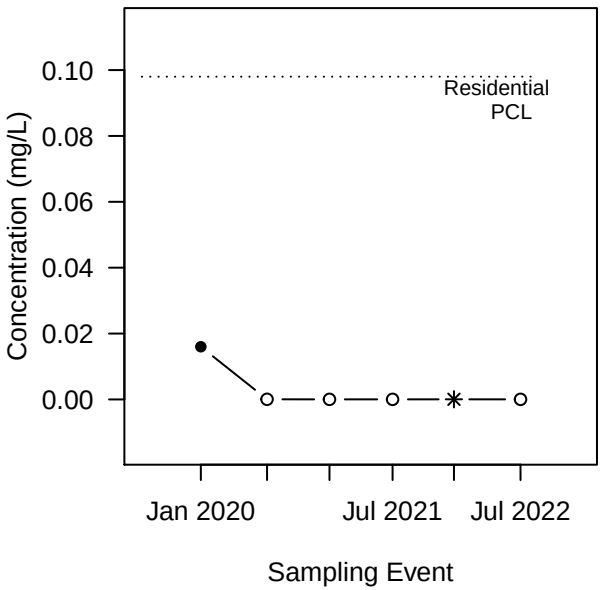


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

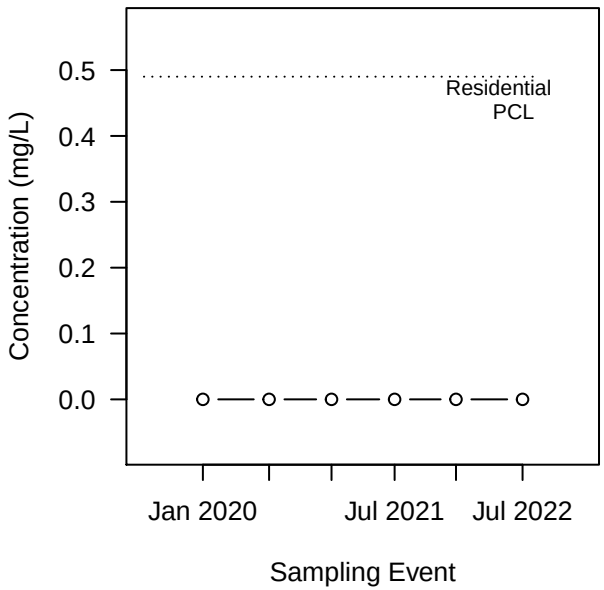
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−50B

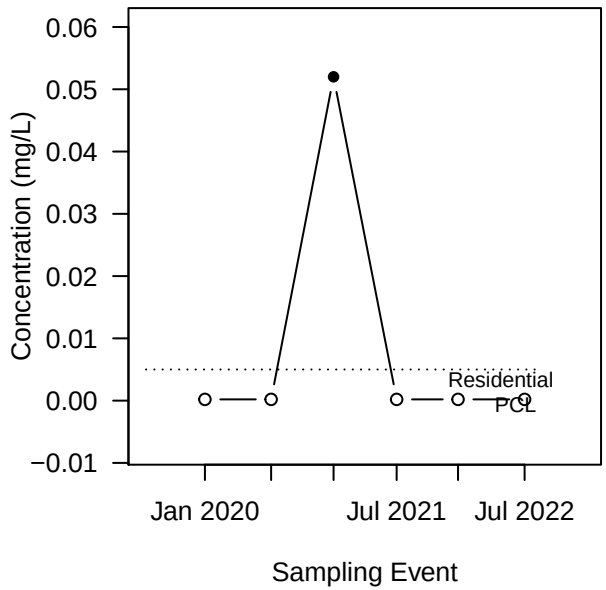
2−Methylnaphthalene (Det/N = 2/6)
No Trend
(p−value=0.326 and CV=2.4)



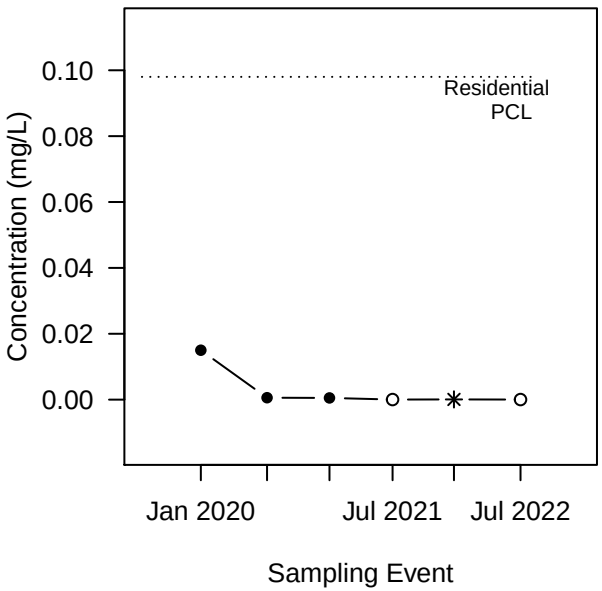
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated − All NDs



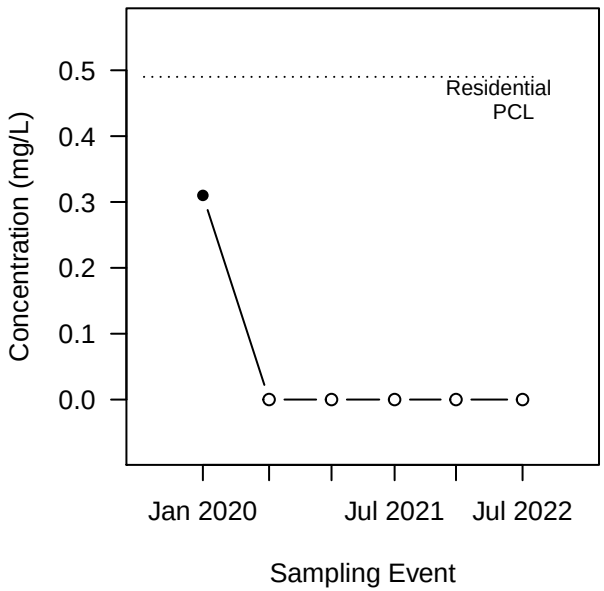
Benzene (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=2.4)



Dibenzofuran (Det/N = 4/6)
Decreasing
(p−value=0.0177 and CV=2.2)



Naphthalene (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=2.4)

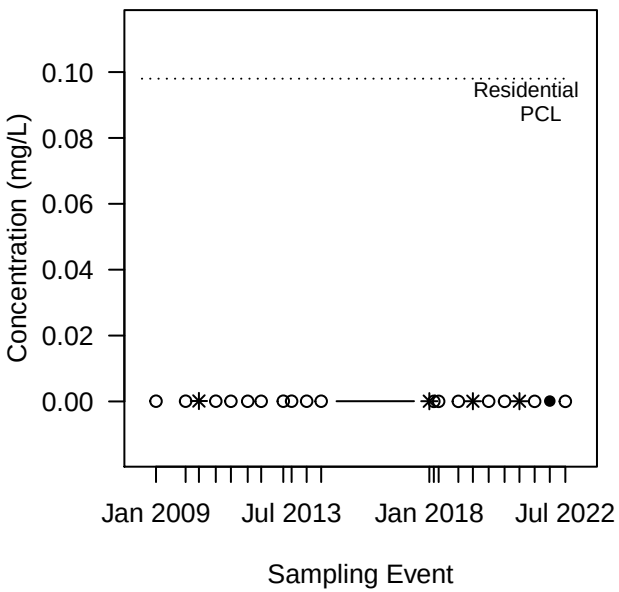


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

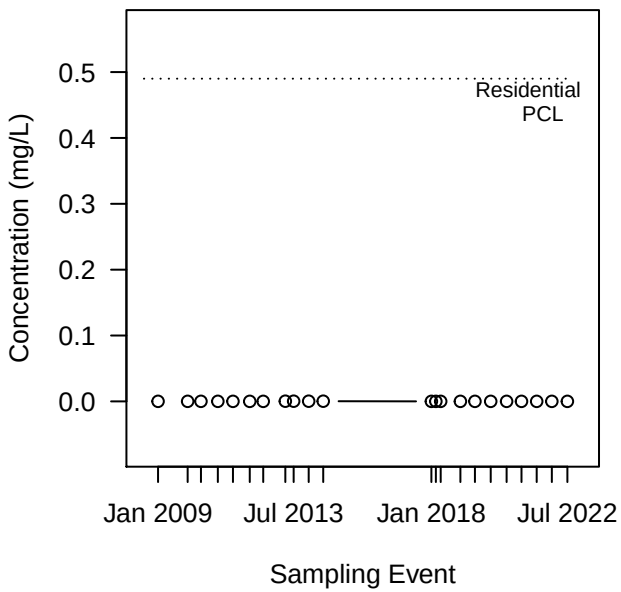
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−51A

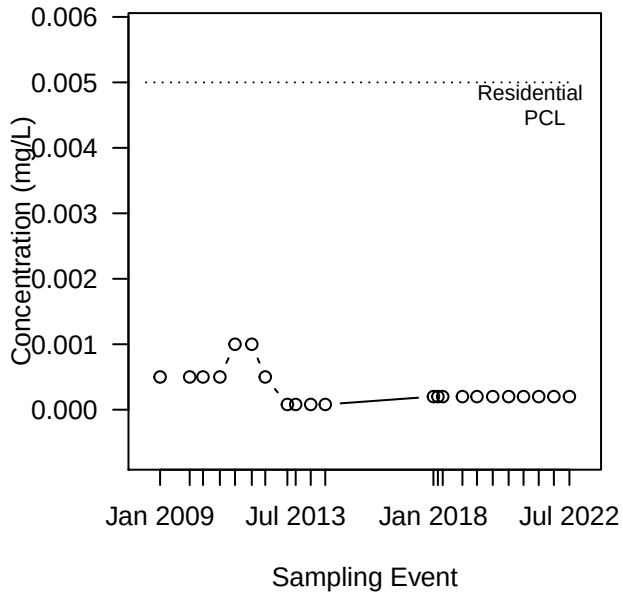
2−Methylnaphthalene (Det/N = 5/22)
No Trend
(p−value=0.197 and CV=0.53)



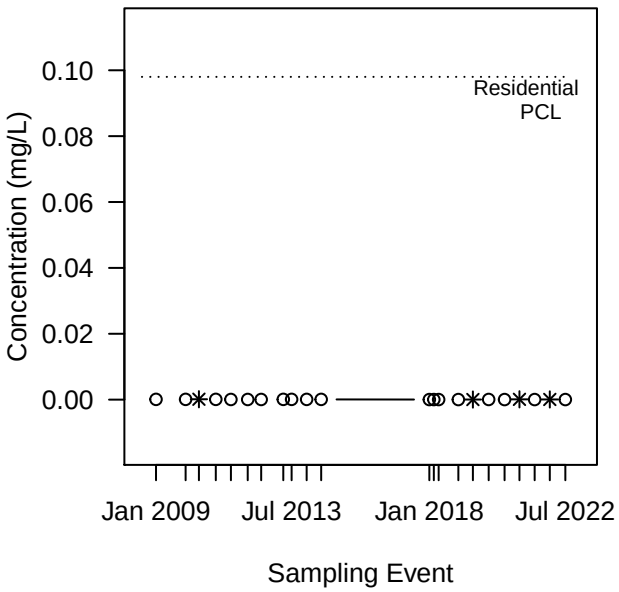
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



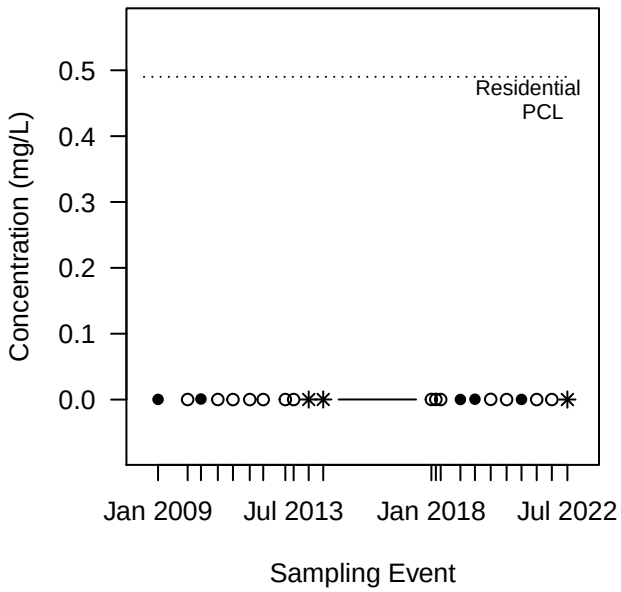
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/22)
No Trend
(p−value=0.166 and CV=0.55)



Naphthalene (Det/N = 8/22)
No Trend
(p−value=0.487 and CV=1.2)

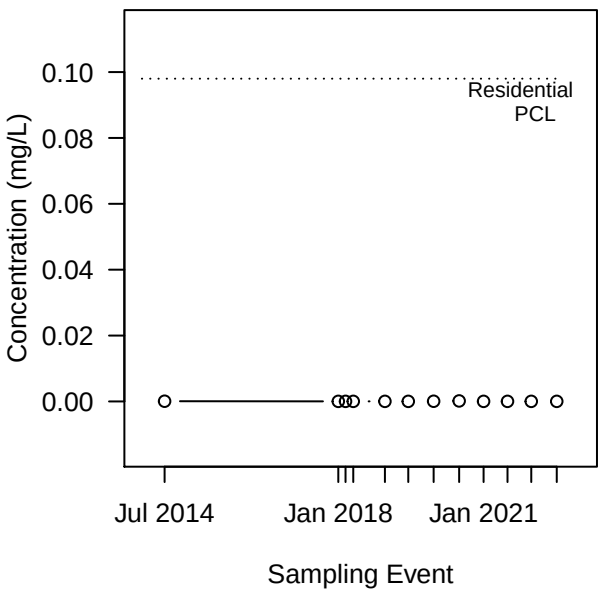


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

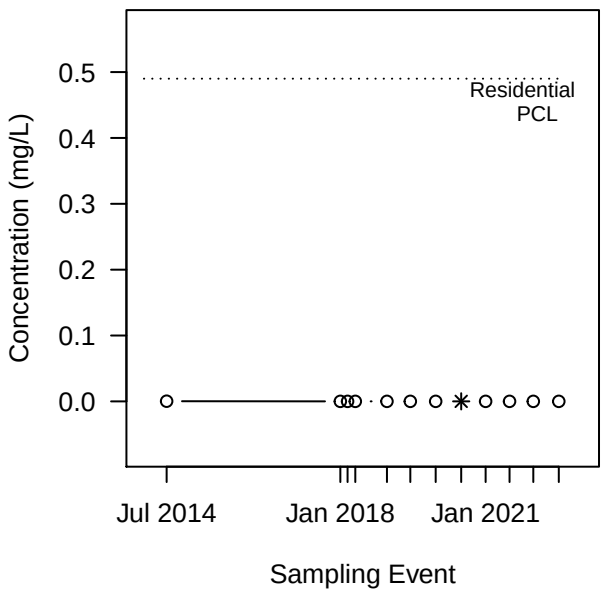
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−51C

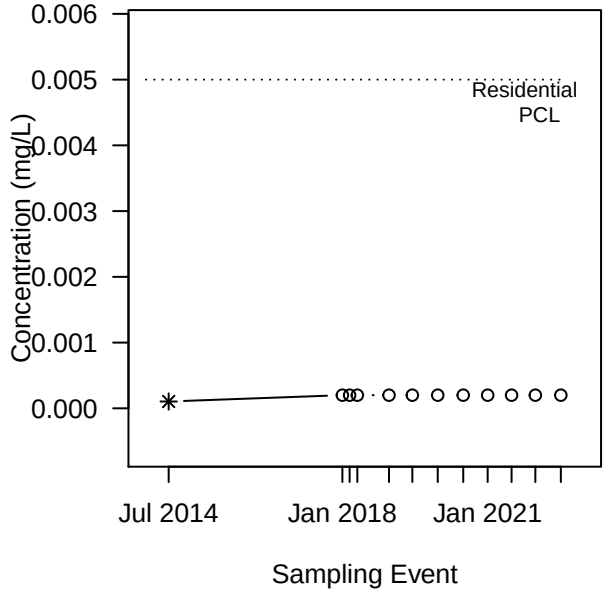
2−Methylnaphthalene (Det/N = 0/12)
Not evaluated − All NDs



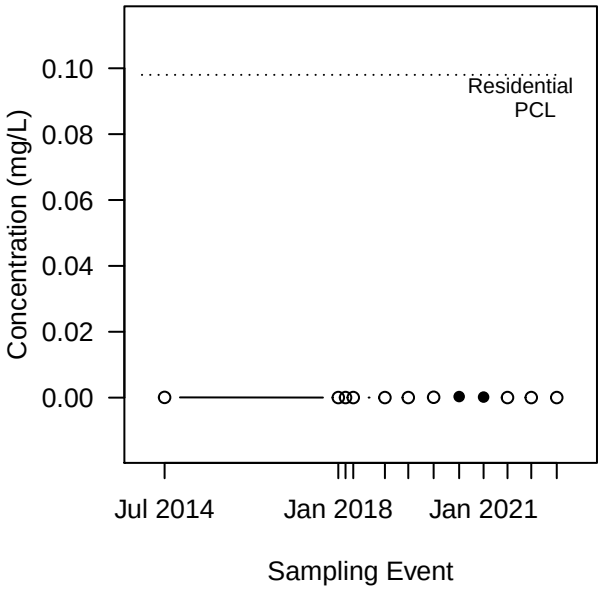
2,4−Dimethylphenol (Det/N = 1/12)
No Trend
(p−value=0.386 and CV=1.1)



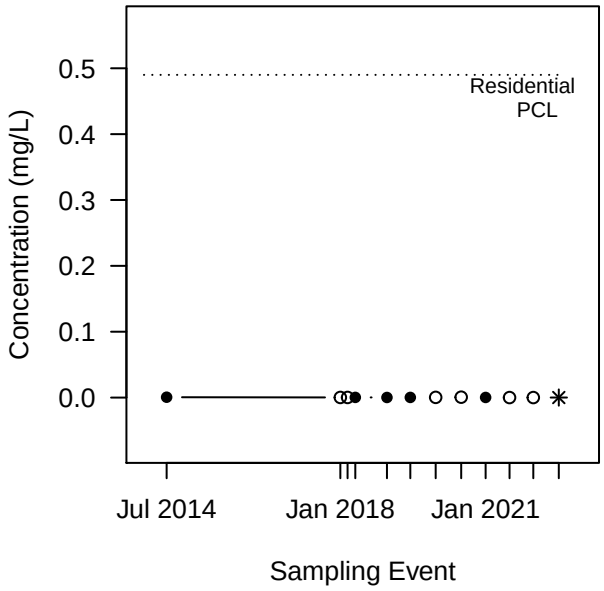
Benzene (Det/N = 1/12)
Probably Decreasing
(p−value=0.0738 and CV=0.14)



Dibenzofuran (Det/N = 2/12)
No Trend
(p−value=0.261 and CV=1.3)



Naphthalene (Det/N = 6/12)
Stable
(p−value=0.151 and CV=0.78)

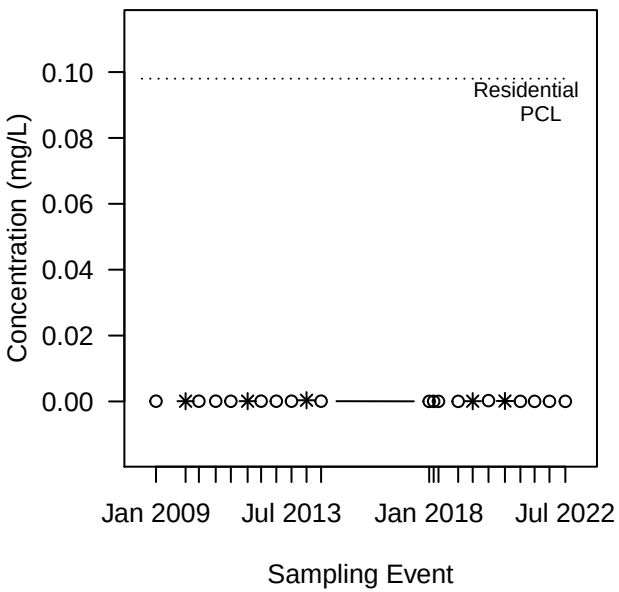


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

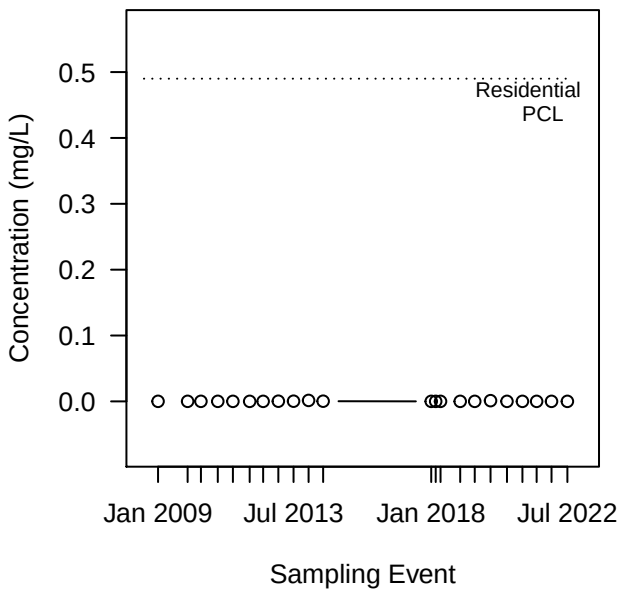
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−53C

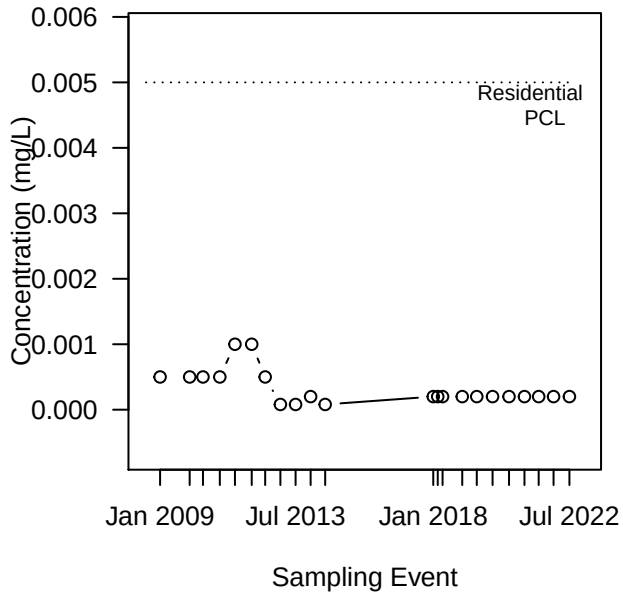
2−Methylnaphthalene (Det/N = 5/22)
No Trend
(p−value=0.408 and CV=1.1)



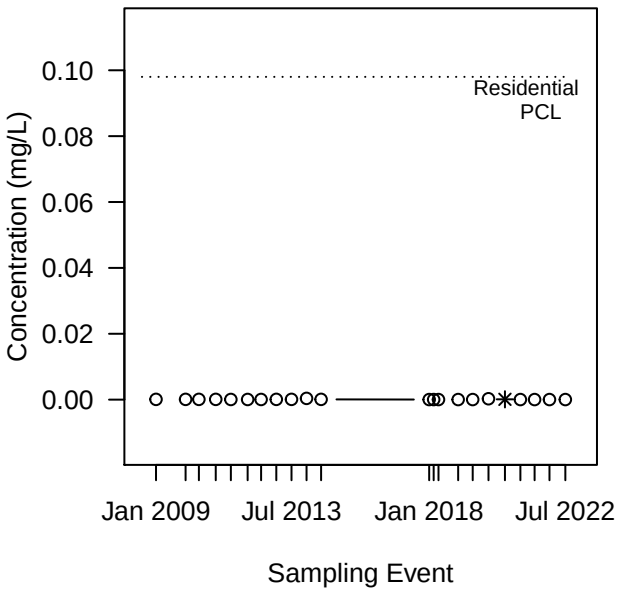
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



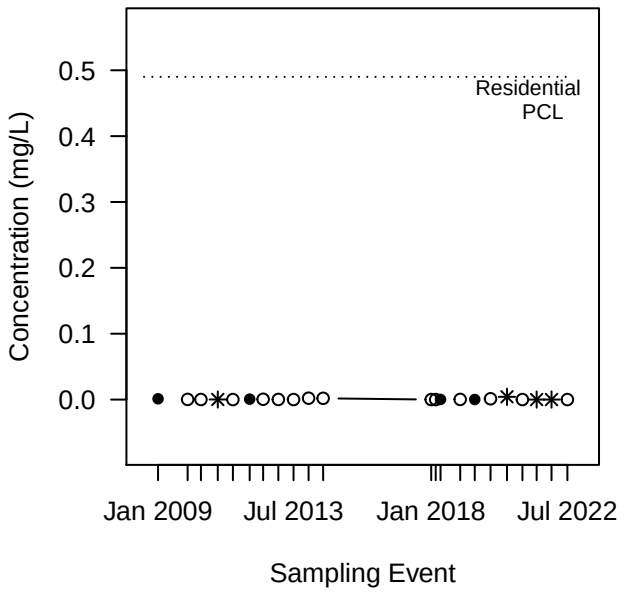
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 1/22)
No Trend
(p−value=0.172 and CV=1.2)



Naphthalene (Det/N = 8/22)
No Trend
(p−value=0.461 and CV=1.7)

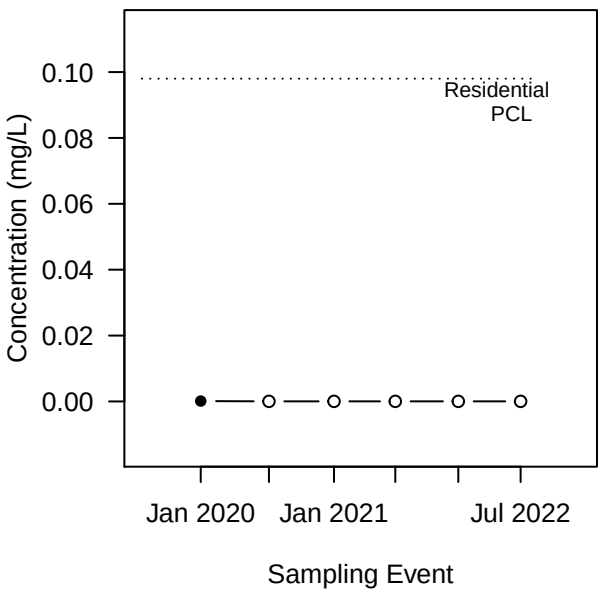


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

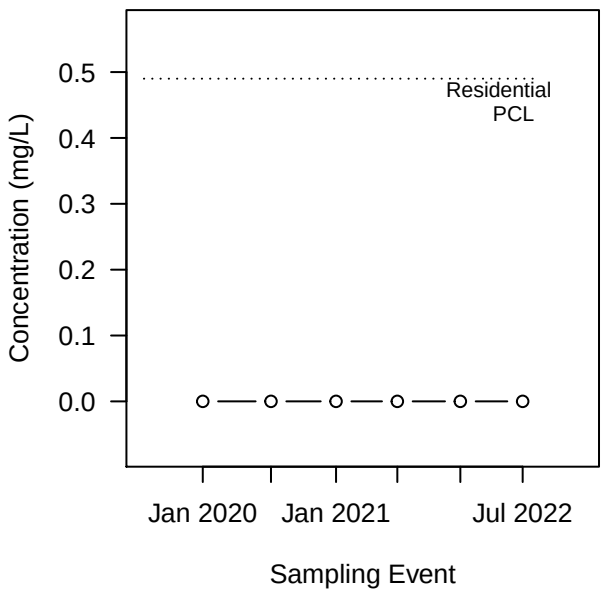
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−54B

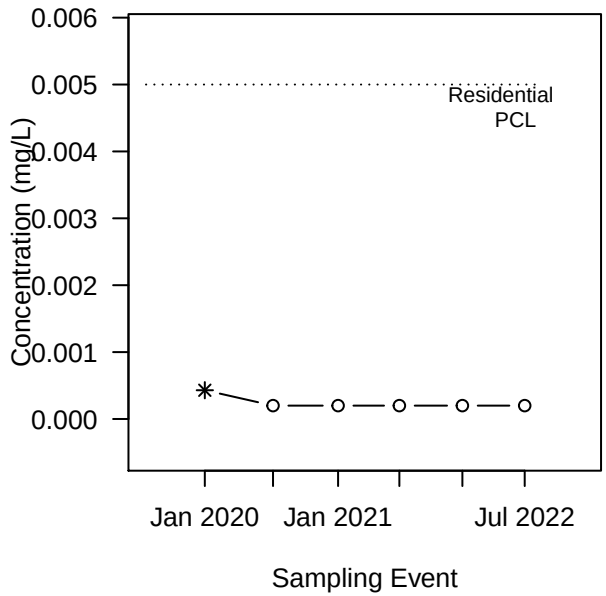
2−Methylnaphthalene (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=1.1)



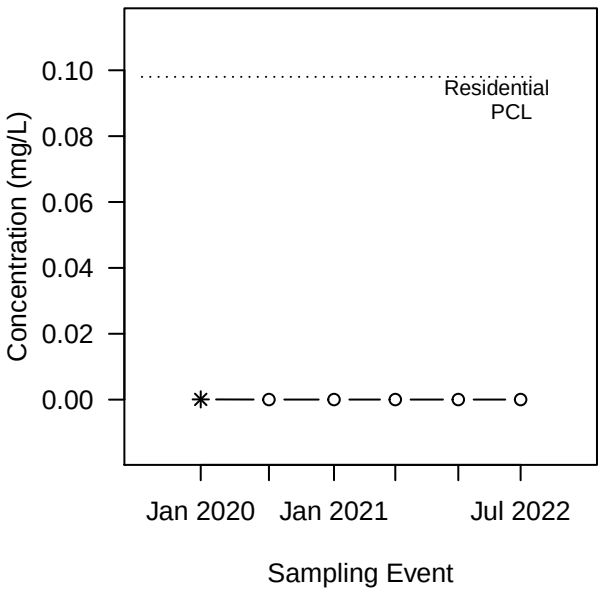
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated (all concentrations are identical)



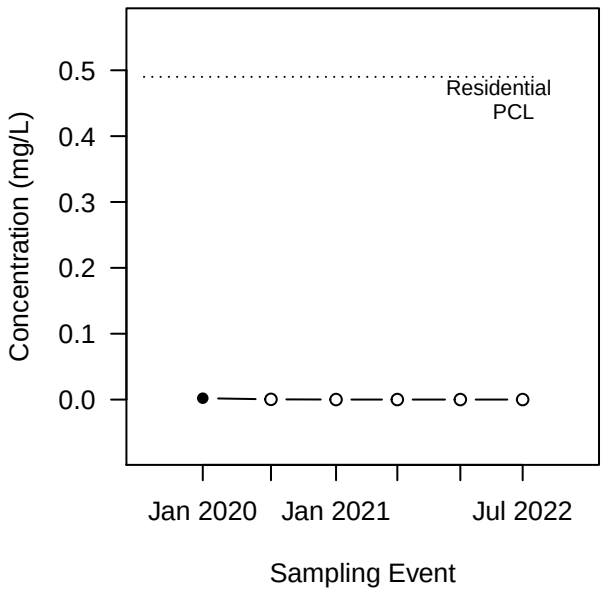
Benzene (Det/N = 1/6)
Stable
(p−value=0.121 and CV=0.39)



Dibenzofuran (Det/N = 1/6)
Stable
(p−value=0.121 and CV=0.78)



Naphthalene (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=2)

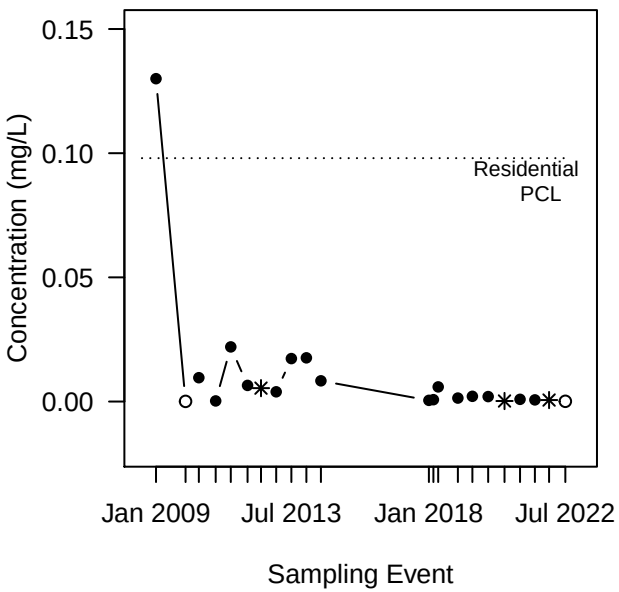


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

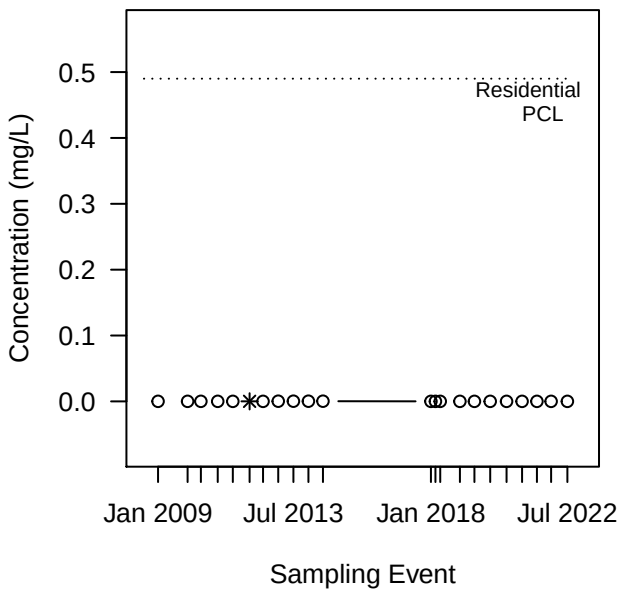
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−54C

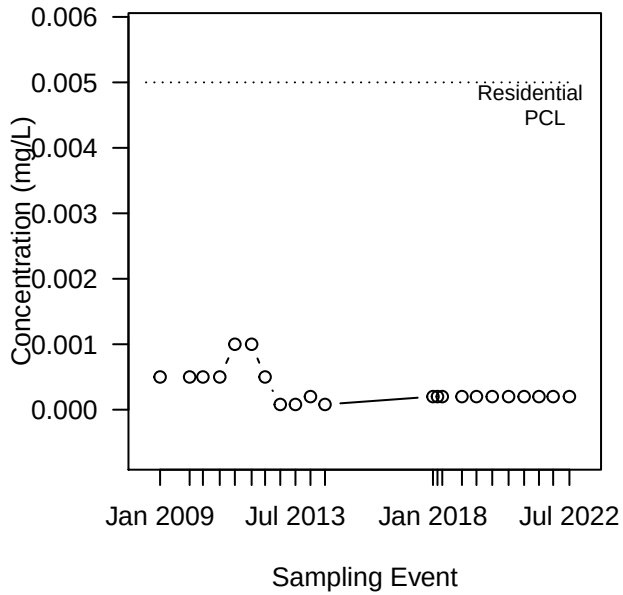
2−Methylnaphthalene (Det/N = 20/22)
Decreasing
(p−value=0.00435 and CV=2.6)



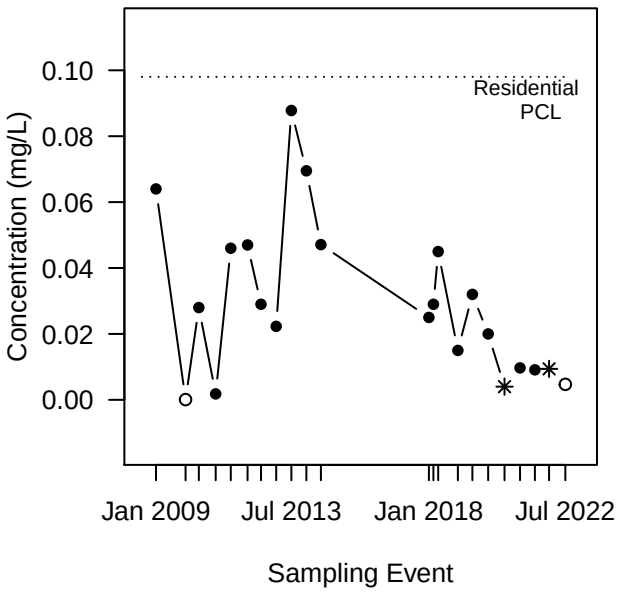
2,4−Dimethylphenol (Det/N = 1/22)
No Trend
(p−value=0.215 and CV=1)



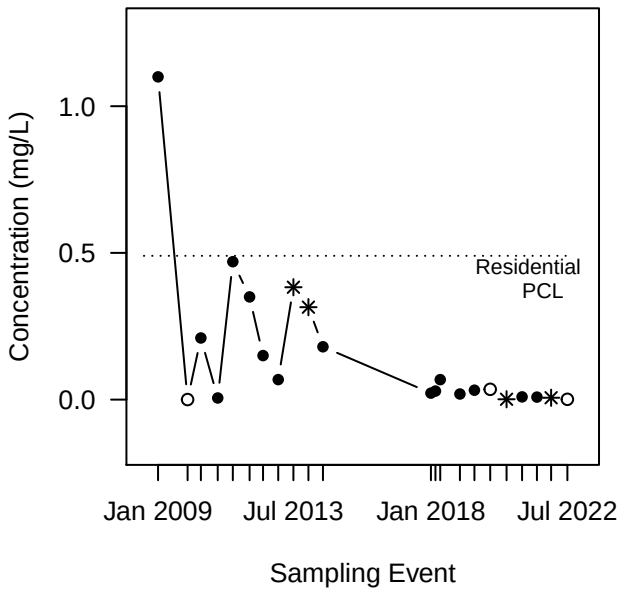
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 20/22)
Decreasing
(p−value=0.0184 and CV=0.81)



Naphthalene (Det/N = 19/22)
Decreasing
(p−value=0.000709 and CV=1.6)



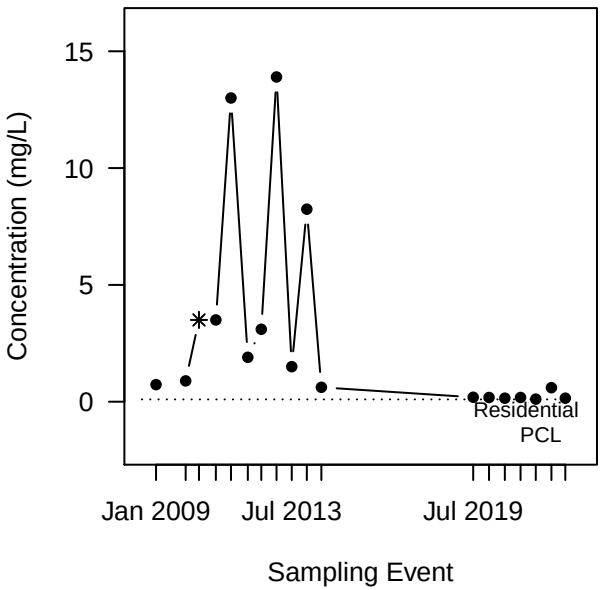
LEGEND:
Concentration

- DET
- DET, J−flagged
- ND (DL plotted)

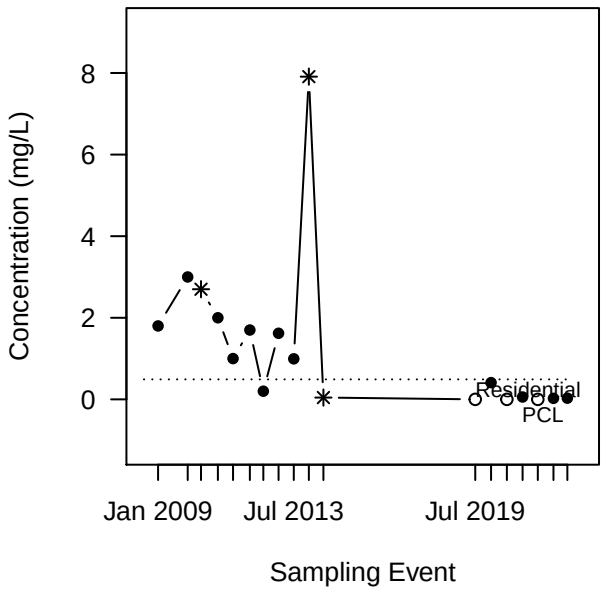
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−57A

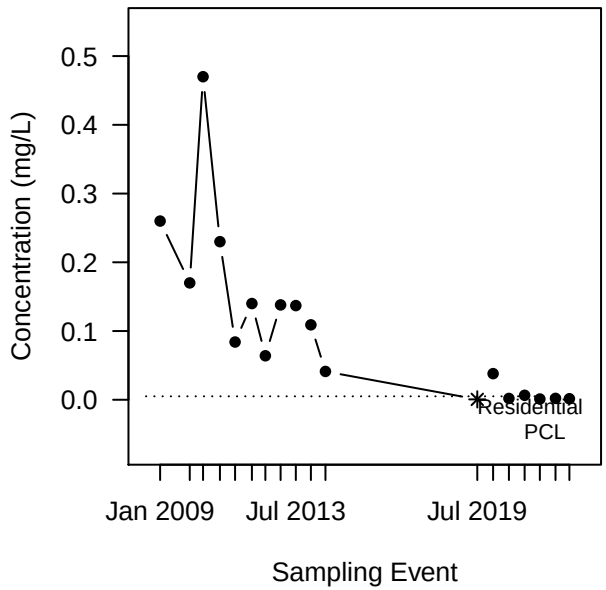
2−Methylnaphthalene (Det/N = 18/18)
Decreasing
(p−value=0.00221 and CV=1.5)



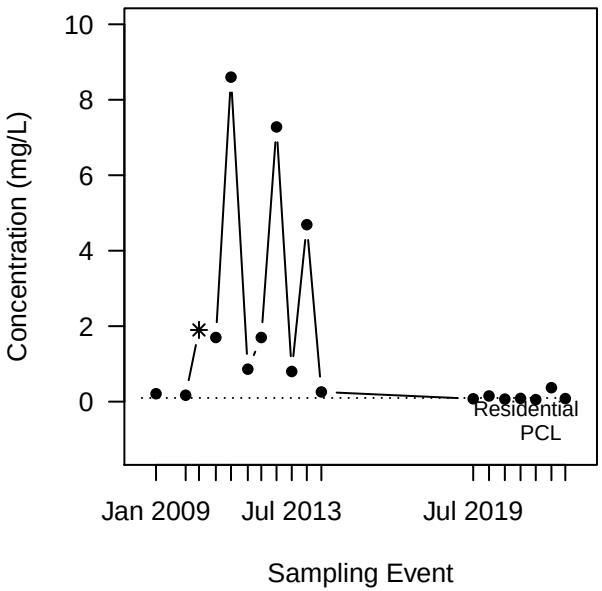
2,4−Dimethylphenol (Det/N = 15/18)
Decreasing
(p−value=0.000274 and CV=1.5)



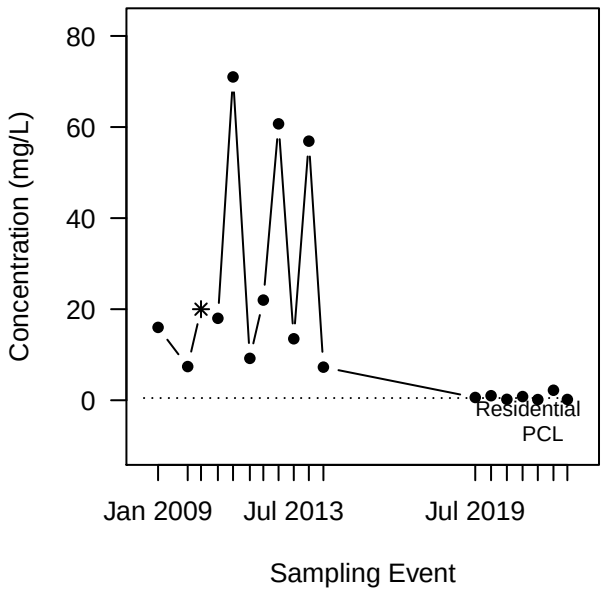
Benzene (Det/N = 18/18)
Decreasing
(p−value=1.11e−05 and CV=1.2)



Dibenzofuran (Det/N = 18/18)
Decreasing
(p−value=0.00847 and CV=1.6)



Naphthalene (Det/N = 18/18)
Decreasing
(p−value=0.002 and CV=1.3)



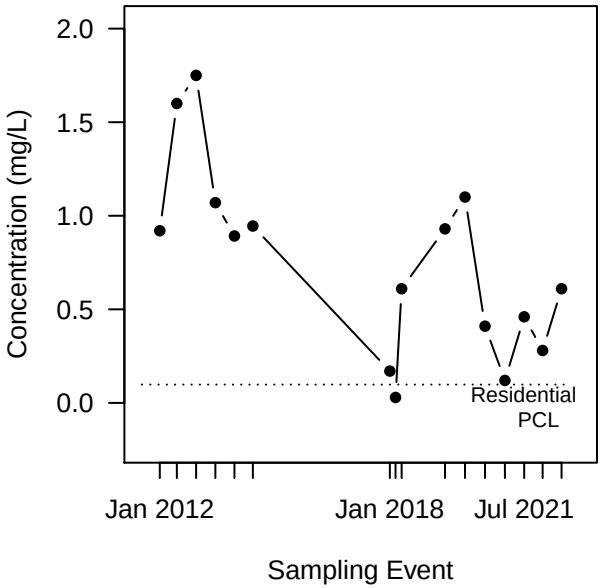
LEGEND:
Concentration

- DET
- DET, J−flagged
- ND (DL plotted)

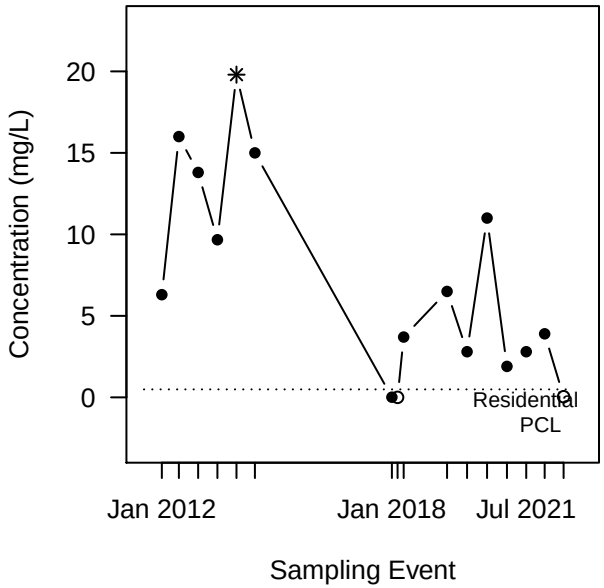
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−57B

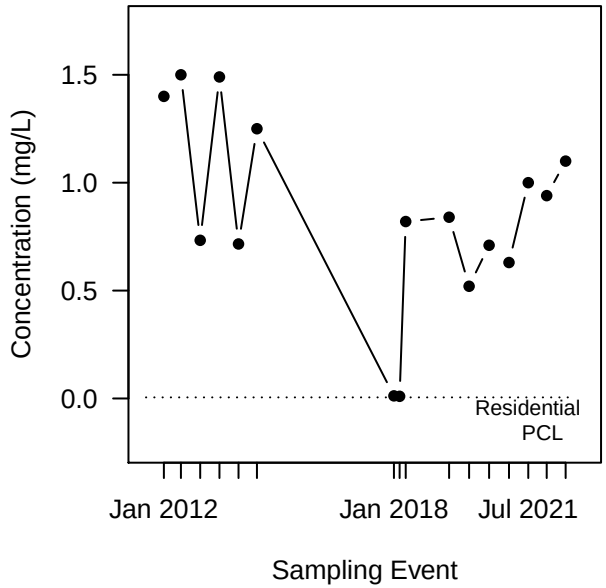
2−Methylnaphthalene (Det/N = 16/16)
Decreasing
(p−value=0.0237 and CV=0.68)



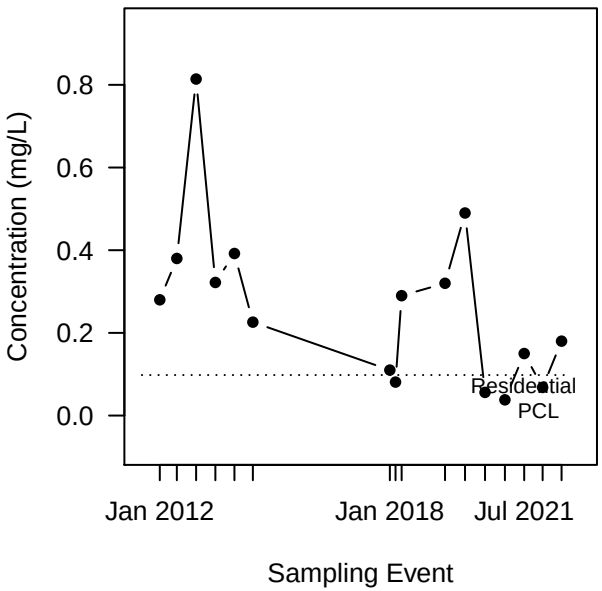
2,4−Dimethylphenol (Det/N = 14/16)
Decreasing
(p−value=0.0212 and CV=0.9)



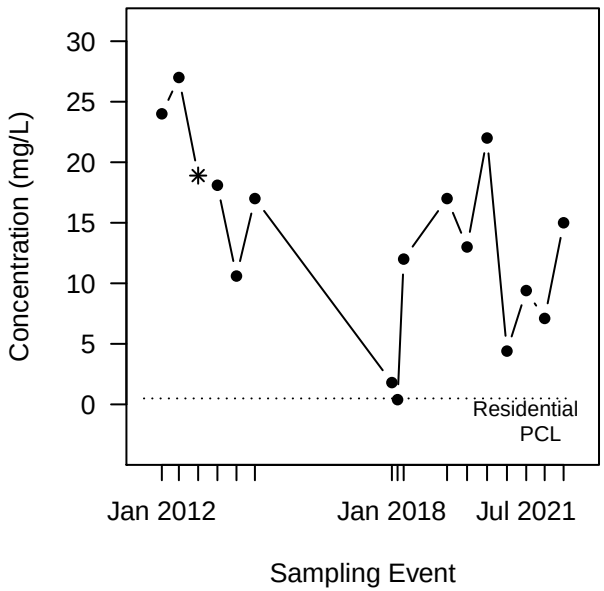
Benzene (Det/N = 16/16)
Stable
(p−value=0.222 and CV=0.52)



Dibenzofuran (Det/N = 16/16)
Decreasing
(p−value=0.0214 and CV=0.76)



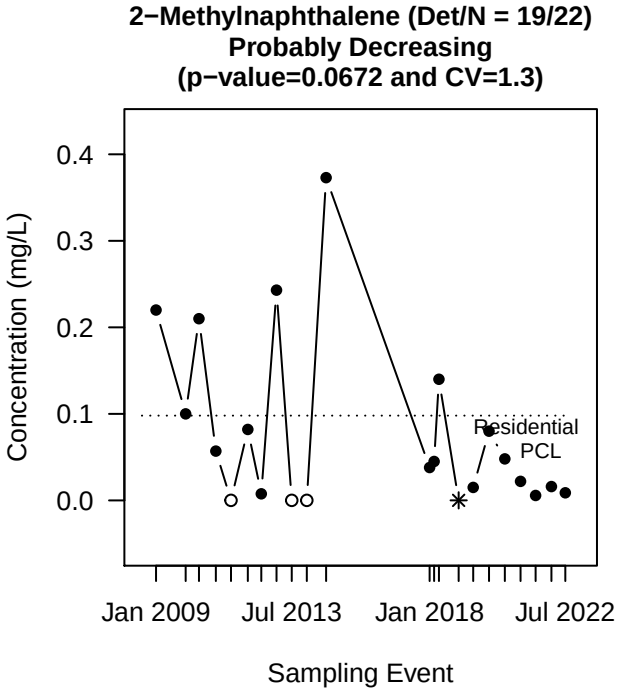
Naphthalene (Det/N = 16/16)
Decreasing
(p−value=0.0292 and CV=0.57)

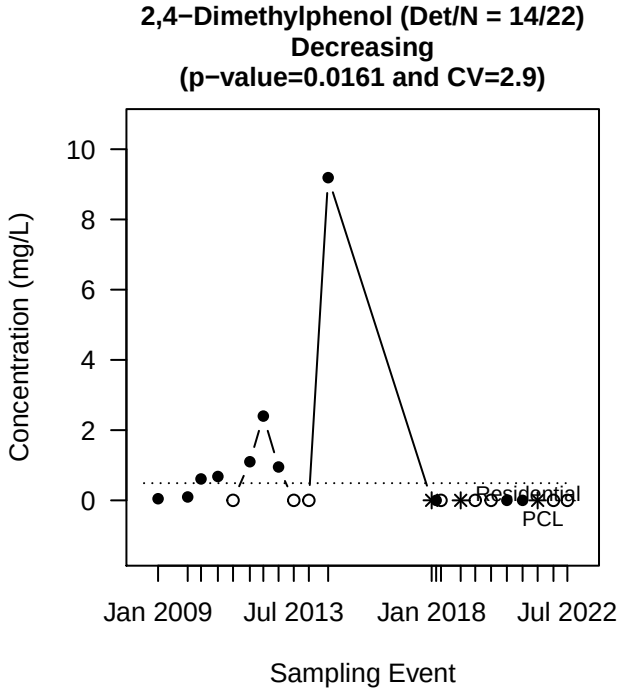


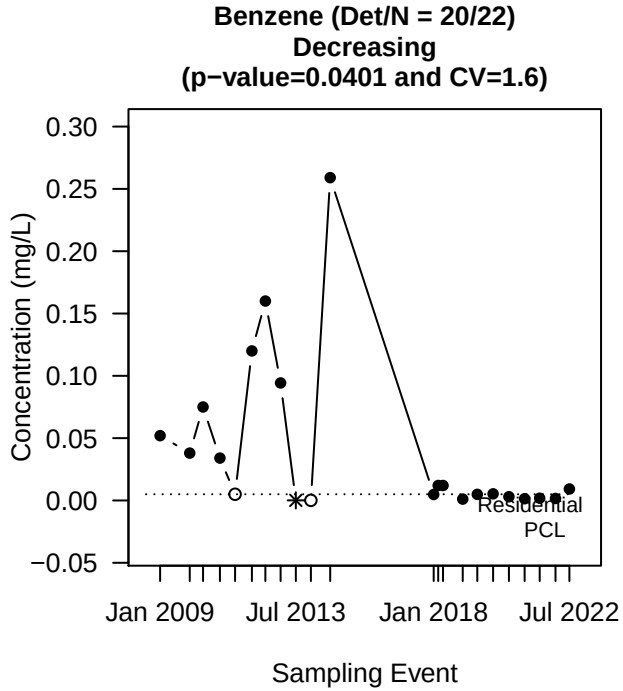
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

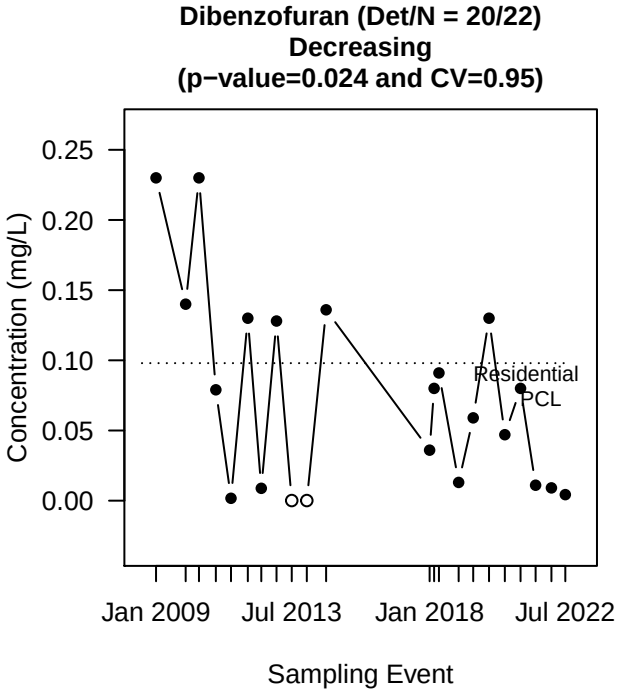
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

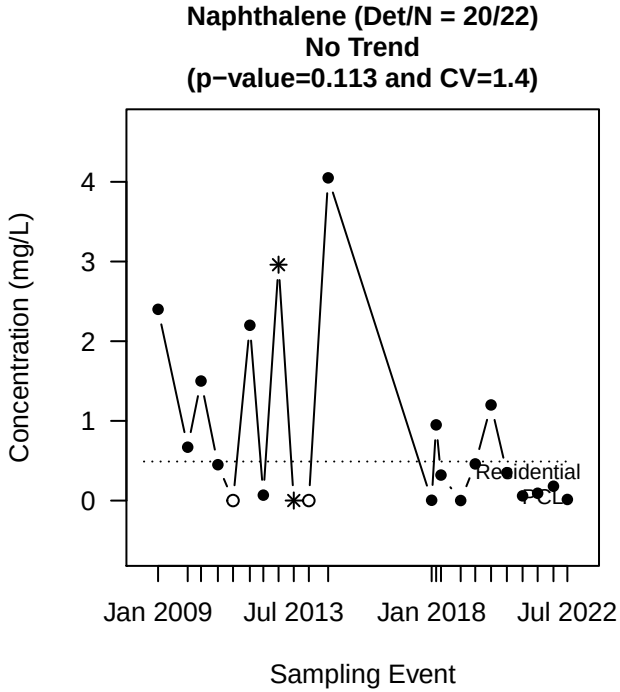
Mann−Kendall Trend Tests for MW−58A









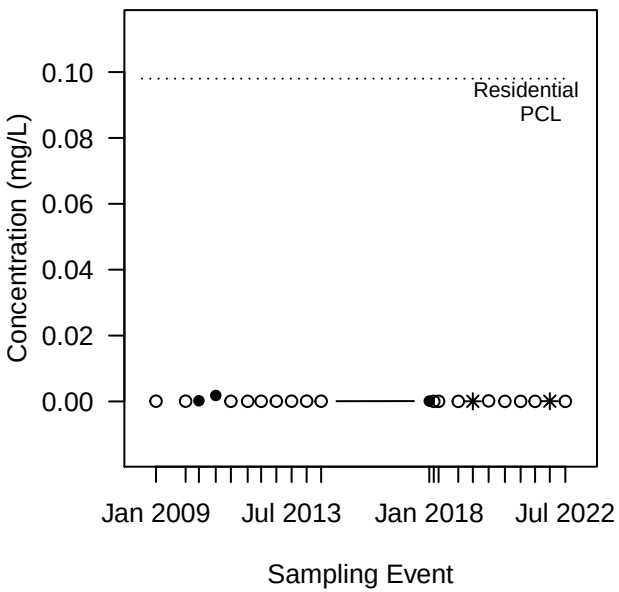


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

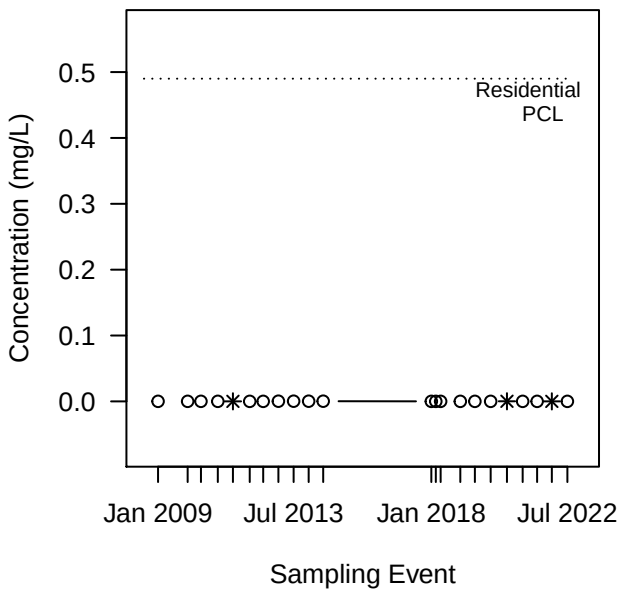
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59A

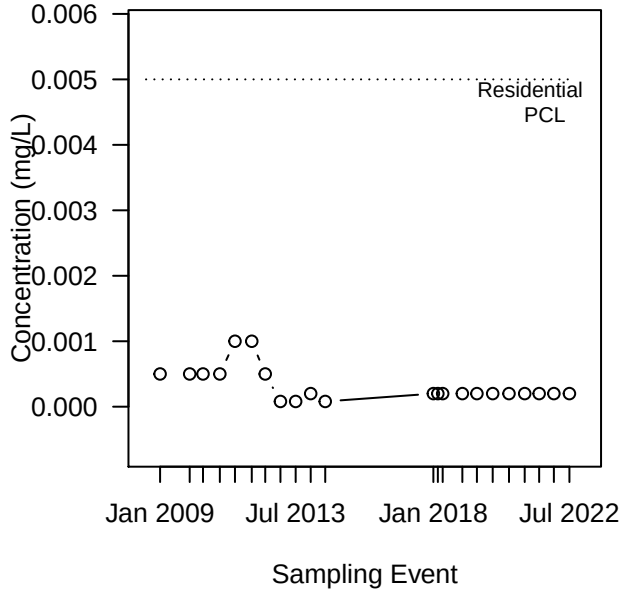
2−Methylnaphthalene (Det/N = 5/22)
No Trend
(p−value=0.378 and CV=2.7)



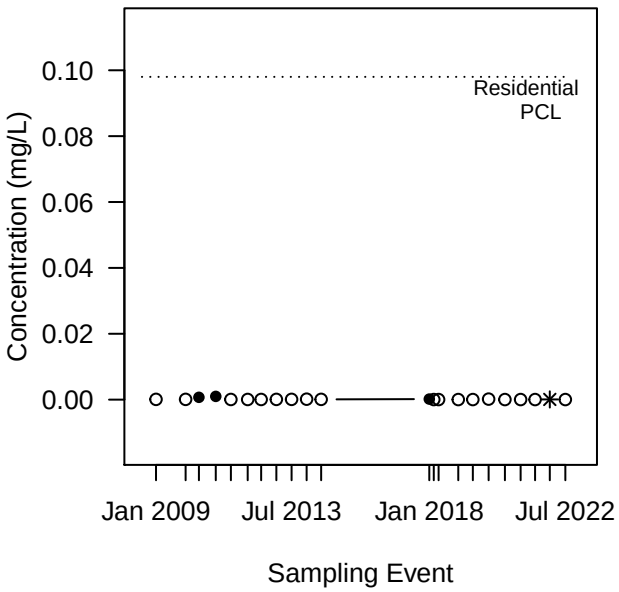
2,4−Dimethylphenol (Det/N = 3/22)
No Trend
(p−value=0.209 and CV=0.96)



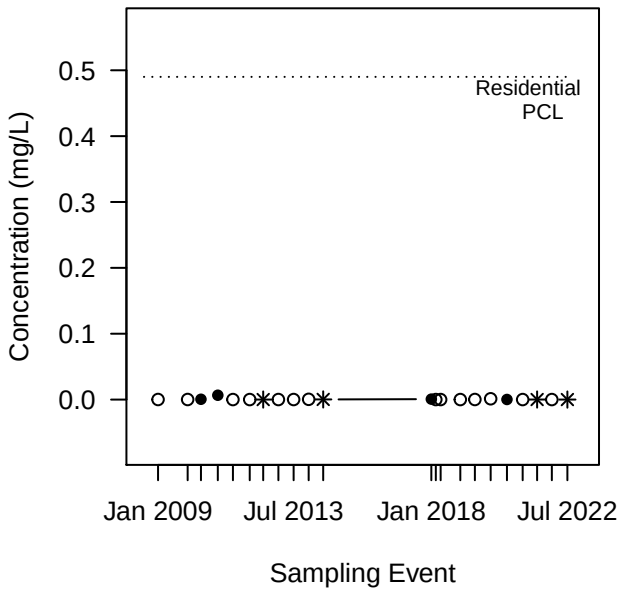
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/22)
No Trend
(p−value=0.263 and CV=1.8)



Naphthalene (Det/N = 8/22)
No Trend
(p−value=0.461 and CV=2.9)

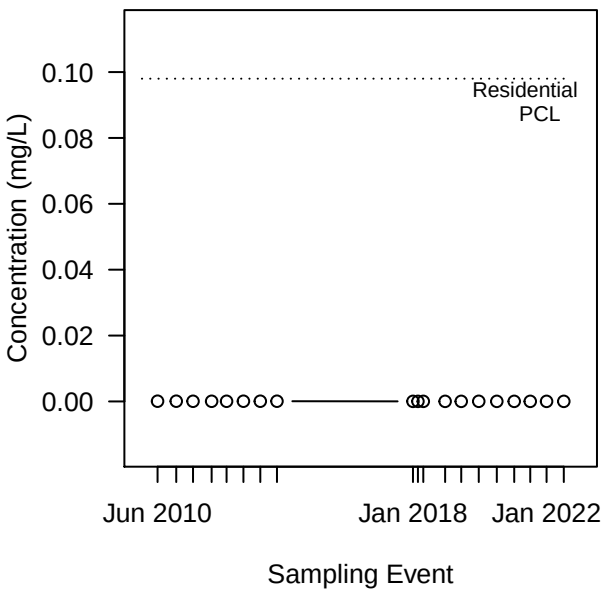


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

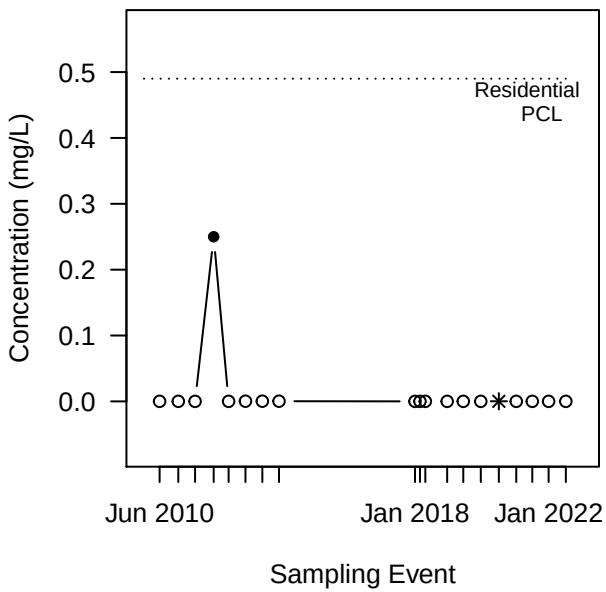
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59B

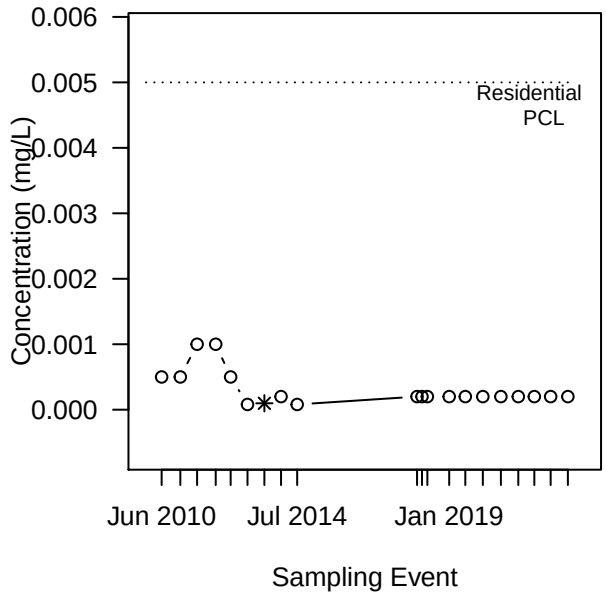
2−Methylnaphthalene (Det/N = 0/19)
Not evaluated − All NDs



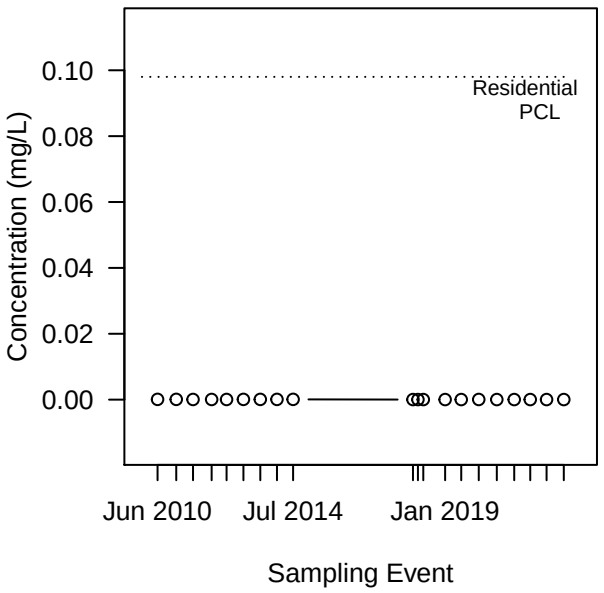
2,4−Dimethylphenol (Det/N = 2/19)
No Trend
(p−value=0.447 and CV=4.3)



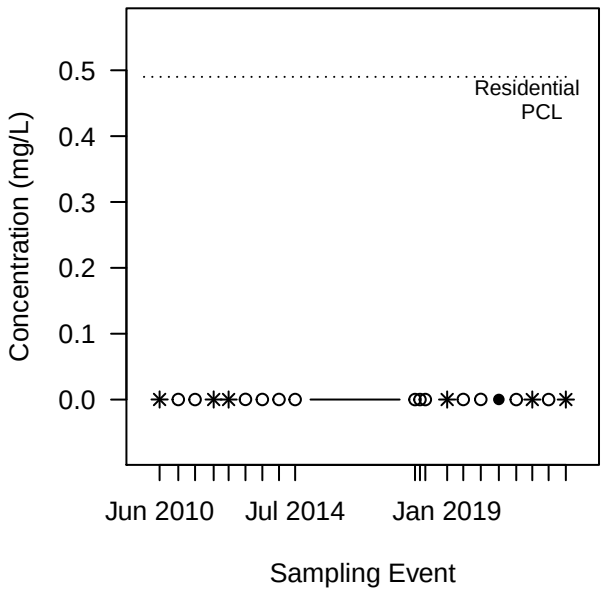
Benzene (Det/N = 1/20)
Stable
(p−value=0.301 and CV=0.87)



Dibenzofuran (Det/N = 0/20)
Not evaluated − All NDs



Naphthalene (Det/N = 7/20)
Stable
(p−value=0.454 and CV=0.77)

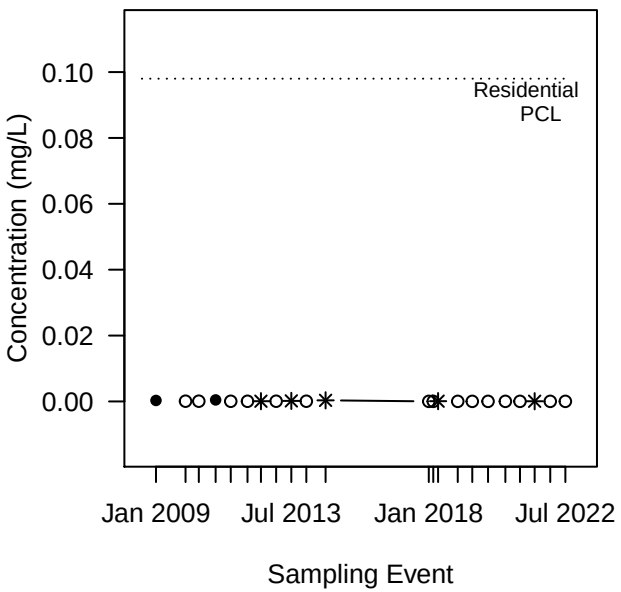


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

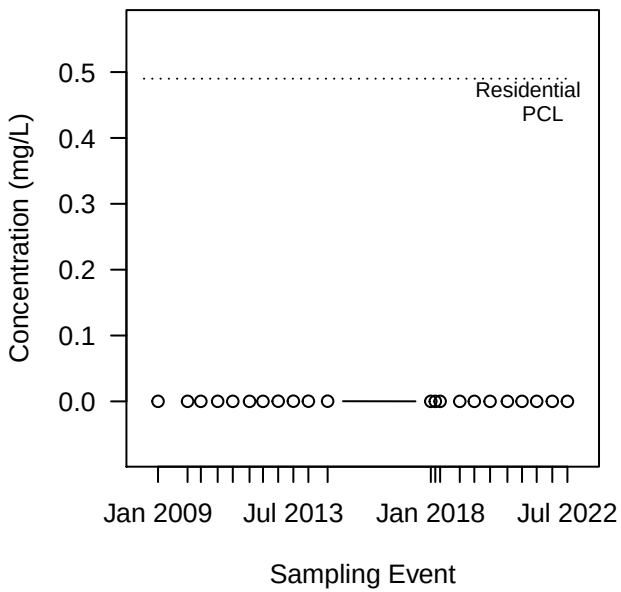
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59D

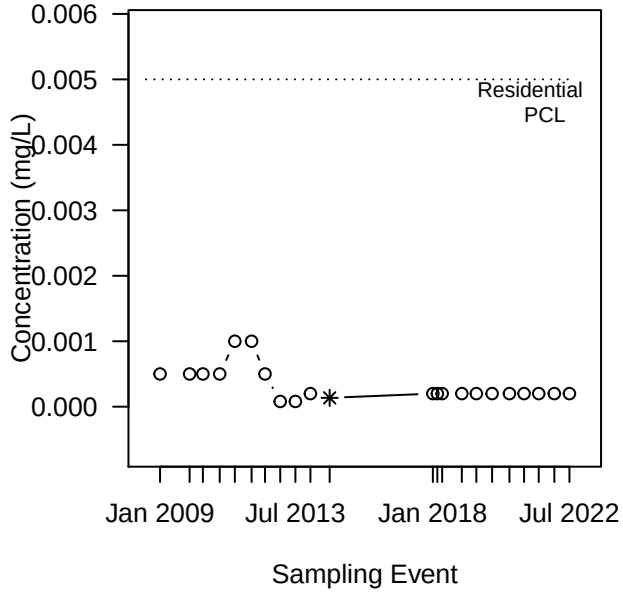
2−Methylnaphthalene (Det/N = 7/22)
No Trend
(p−value=0.102 and CV=1.3)



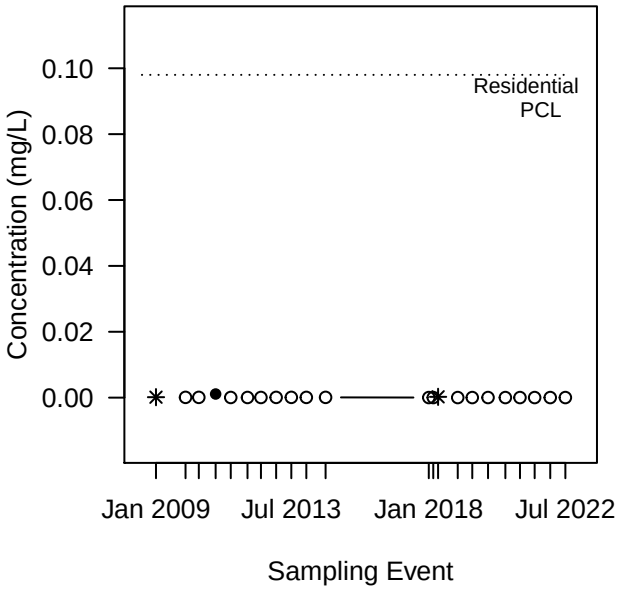
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



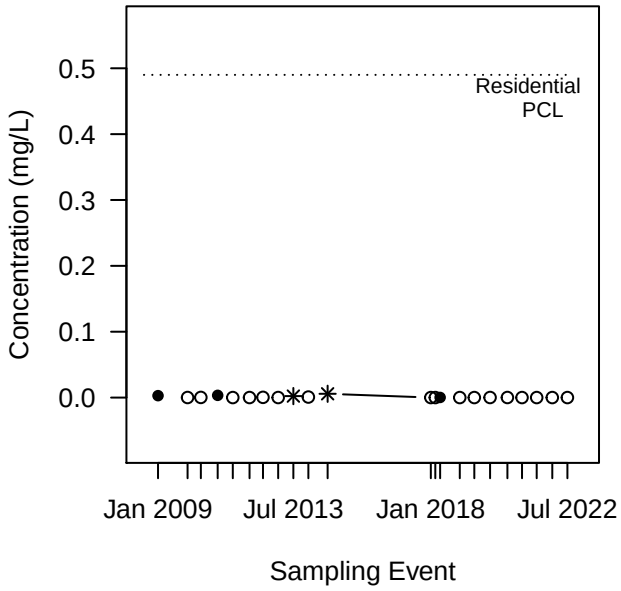
Benzene (Det/N = 1/22)
No Trend
(p−value=0.5 and CV=0.79)



Dibenzofuran (Det/N = 3/22)
Probably Decreasing
(p−value=0.0836 and CV=2.2)



Naphthalene (Det/N = 5/22)
Probably Decreasing
(p−value=0.0708 and CV=2)

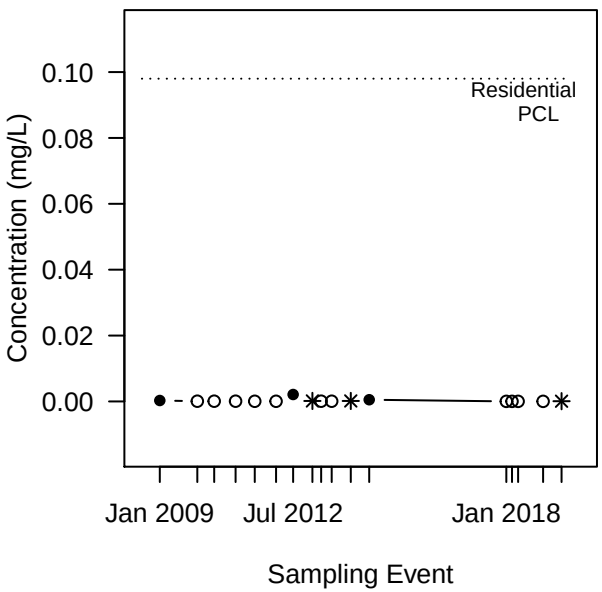


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

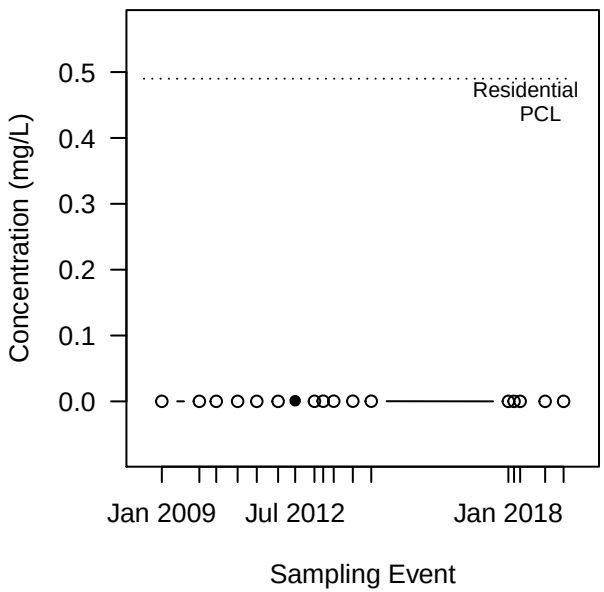
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−60A

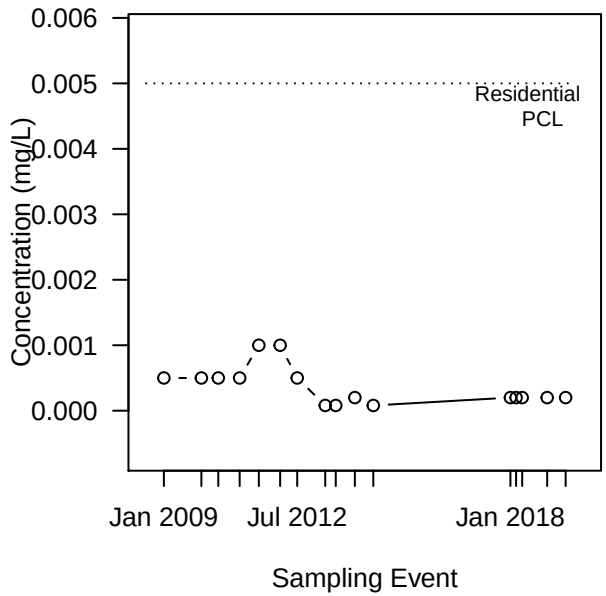
2−Methylnaphthalene (Det/N = 6/17)
No Trend
(p−value=0.461 and CV=2.2)



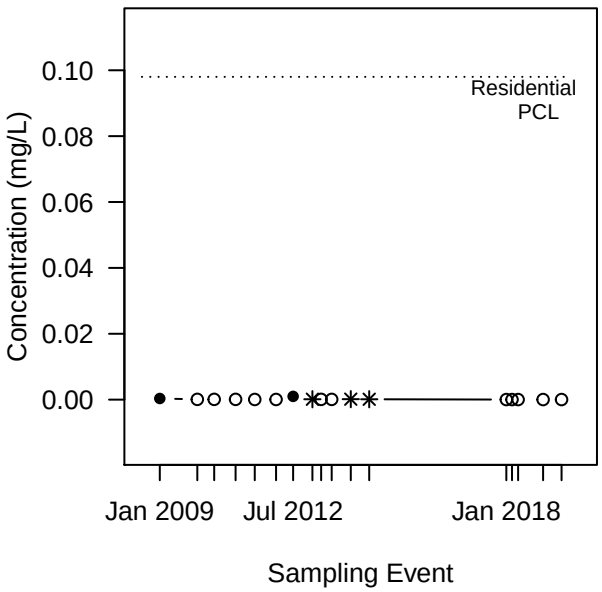
2,4−Dimethylphenol (Det/N = 1/17)
No Trend
(p−value=0.38 and CV=1.4)



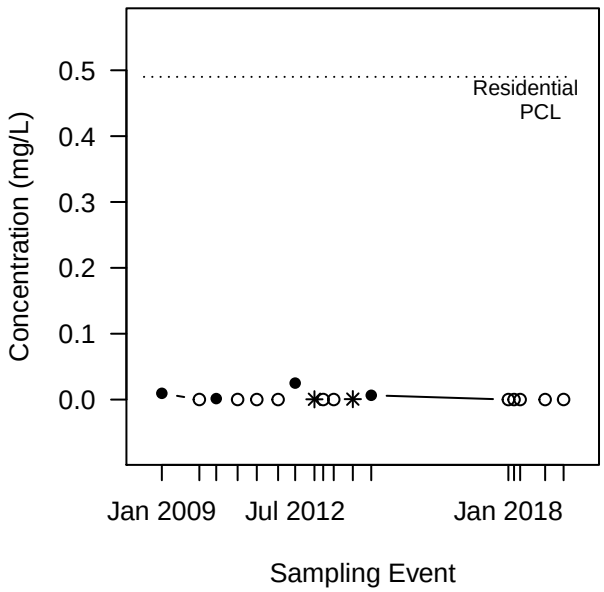
Benzene (Det/N = 0/16)
Not evaluated − All NDs



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)

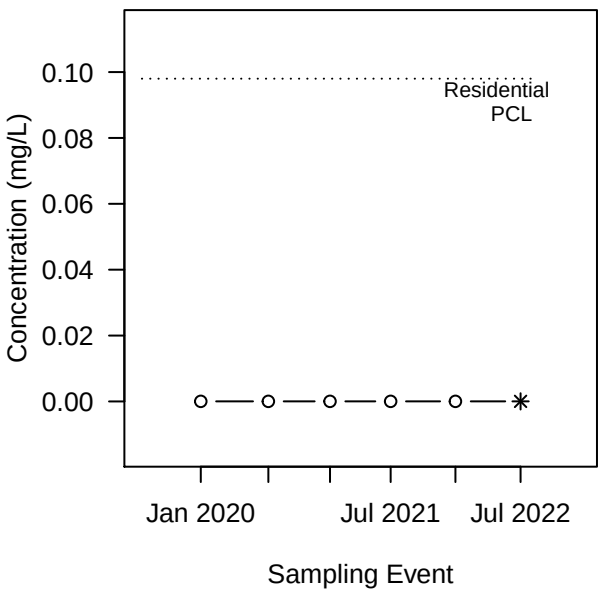


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

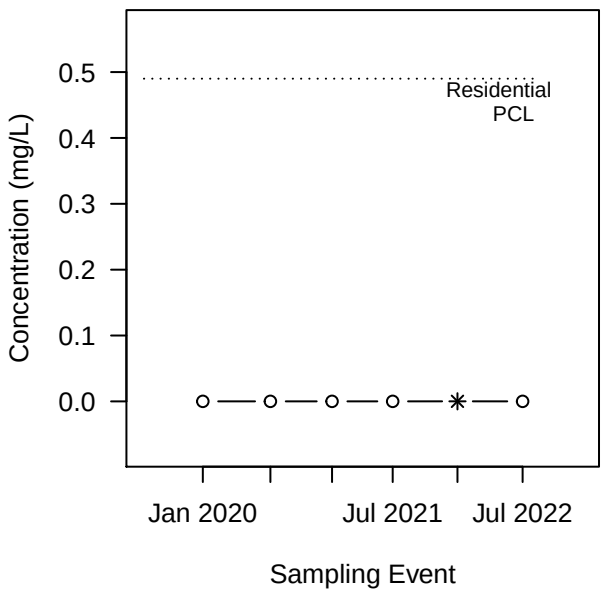
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−60AR

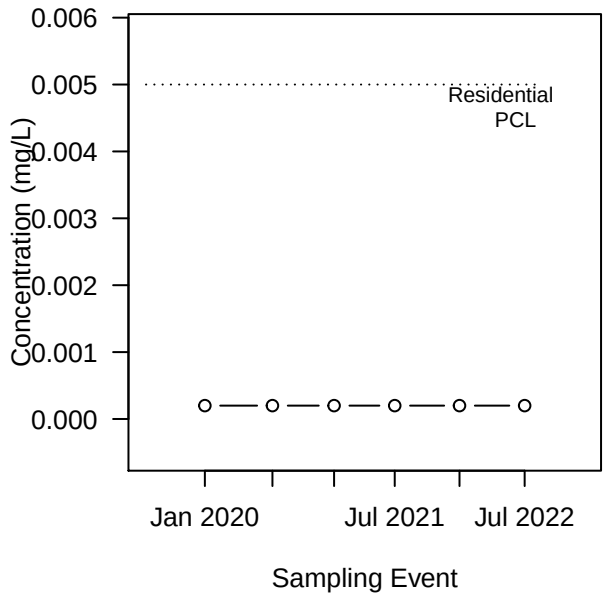
2−Methylnaphthalene (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=0.021)



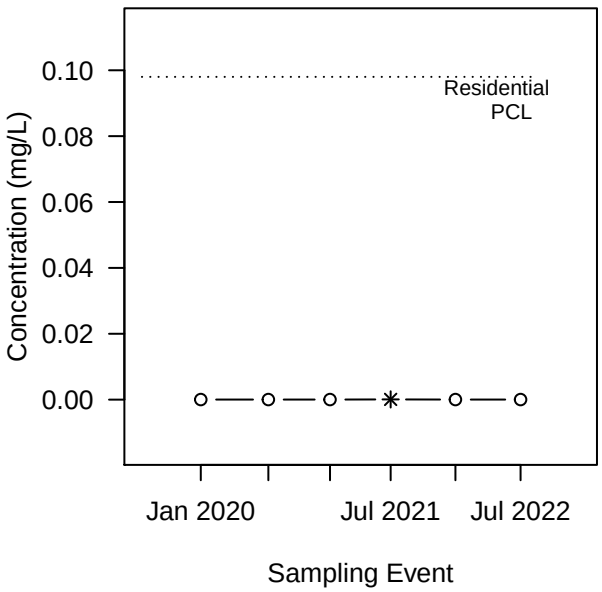
2,4−Dimethylphenol (Det/N = 1/6)
No Trend
(p−value=0.279 and CV=0.55)



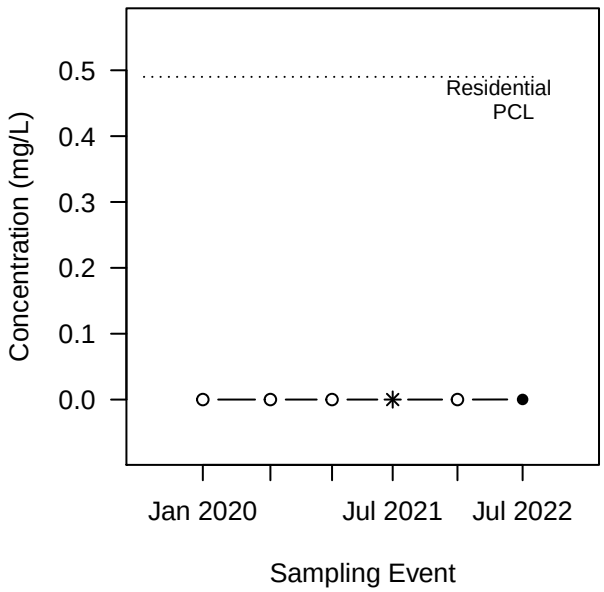
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=0.73)



Naphthalene (Det/N = 2/6)
Probably Increasing
(p−value=0.088 and CV=1.4)

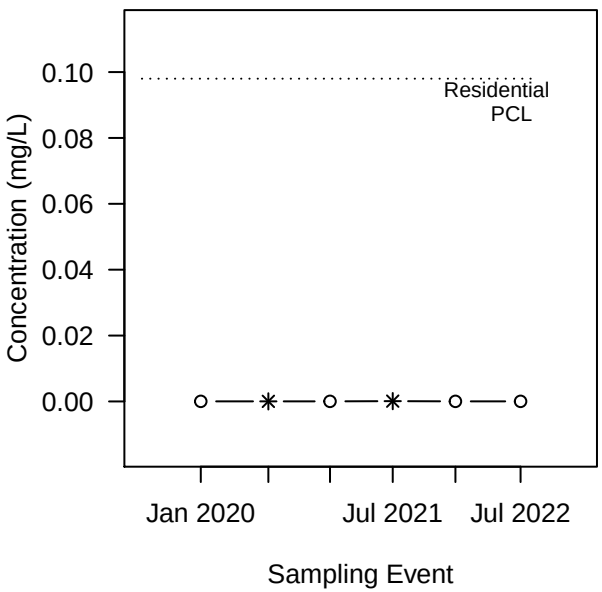


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

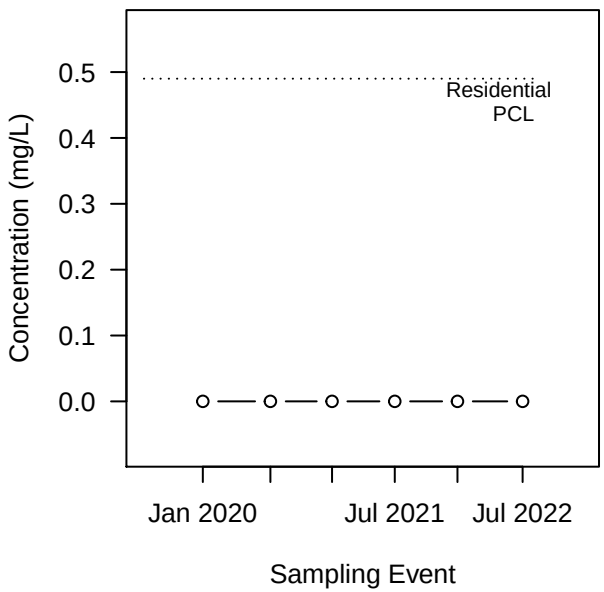
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−60B

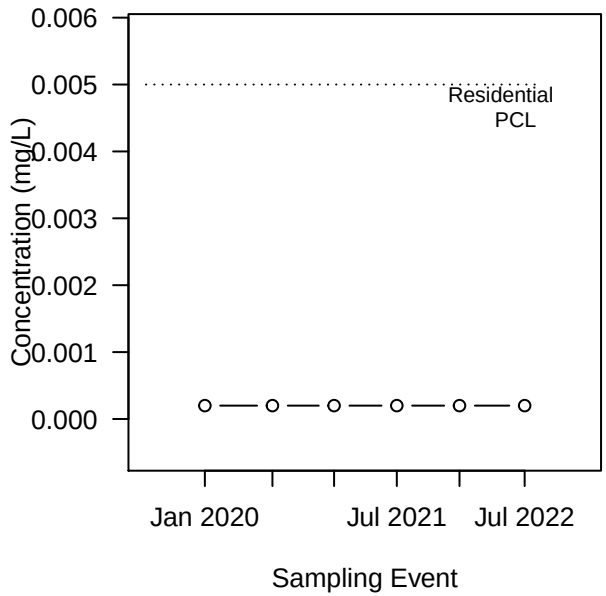
2−Methylnaphthalene (Det/N = 2/6)
No Trend
(p−value=0.5 and CV=0.91)



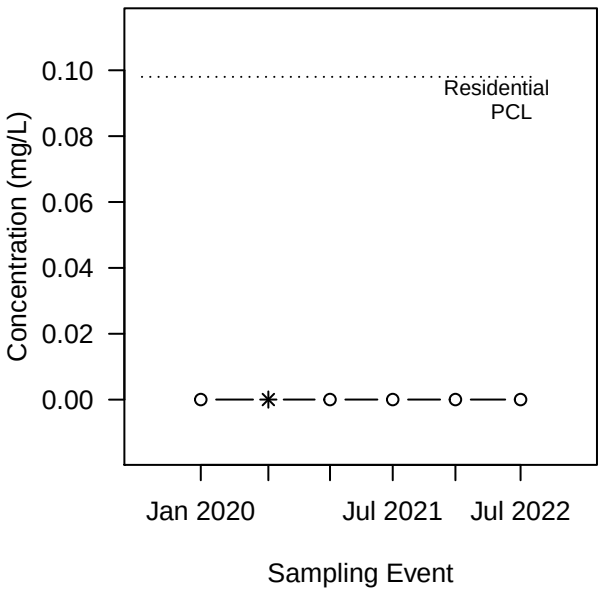
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated (all concentrations are identical)



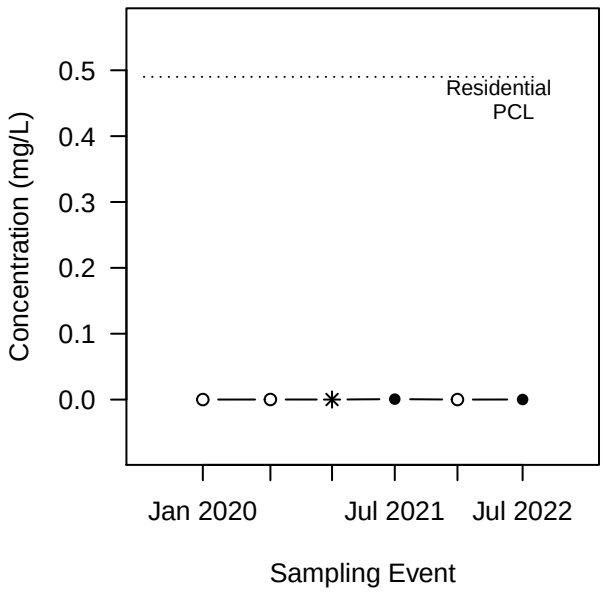
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/6)
Stable
(p−value=0.279 and CV=0.06)



Naphthalene (Det/N = 3/6)
No Trend
(p−value=0.157 and CV=1.5)

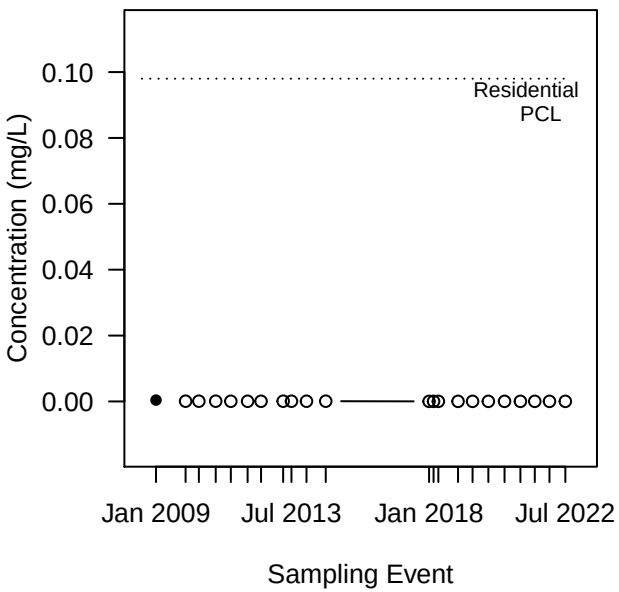


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

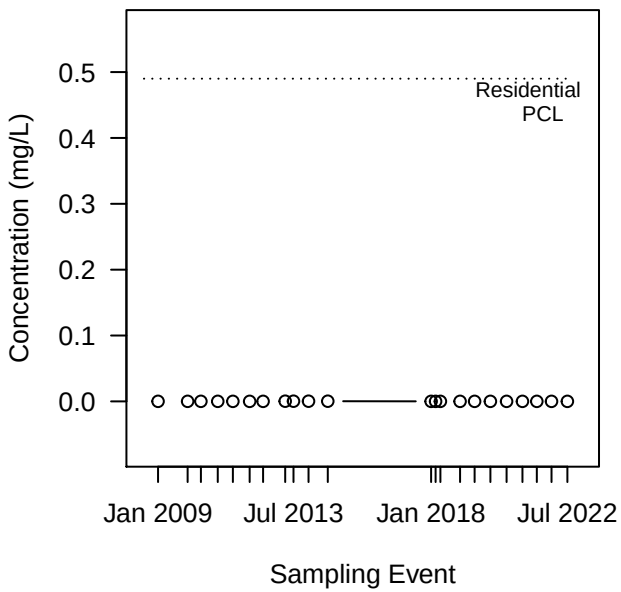
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−61A

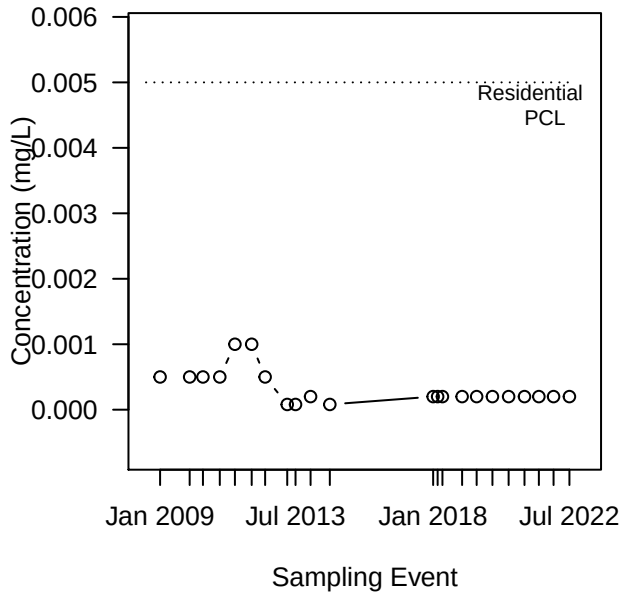
2−Methylnaphthalene (Det/N = 1/22)
Probably Decreasing
(p−value=0.0575 and CV=1.4)



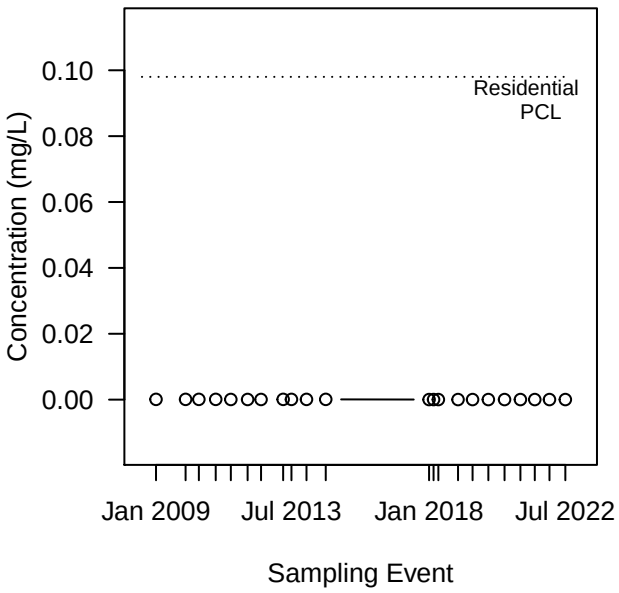
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



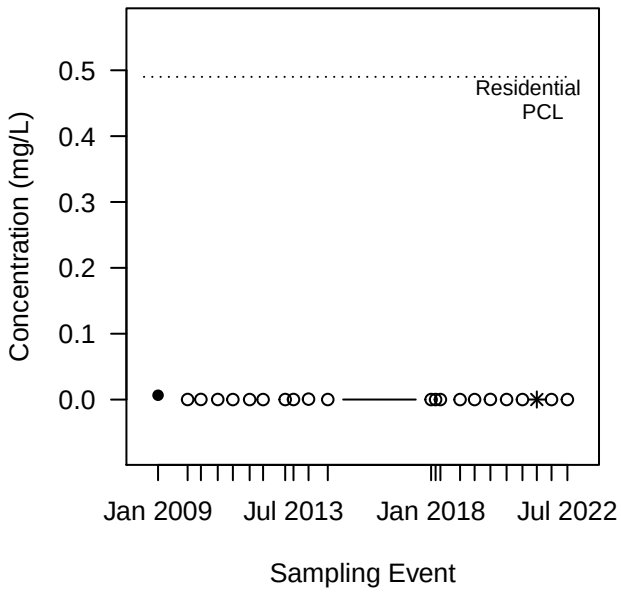
Benzene (Det/N = 0/22)
Not evaluated − All NDs



Dibenzofuran (Det/N = 0/22)
Not evaluated − All NDs



Naphthalene (Det/N = 2/22)
No Trend
(p−value=0.41 and CV=3.5)

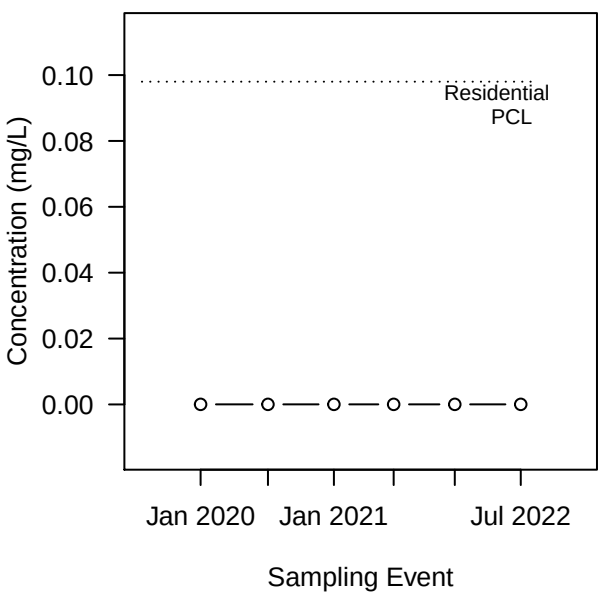


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

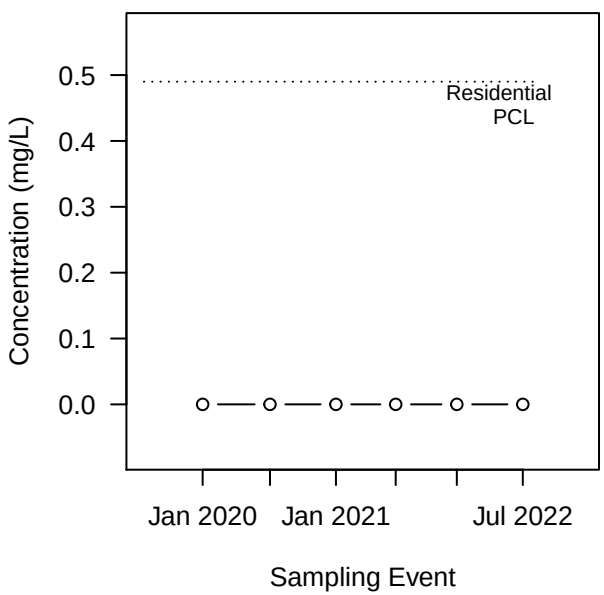
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−61B

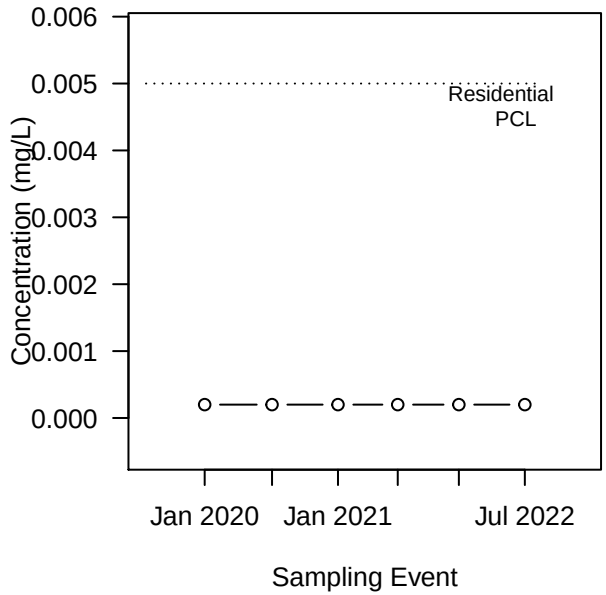
2−Methylnaphthalene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



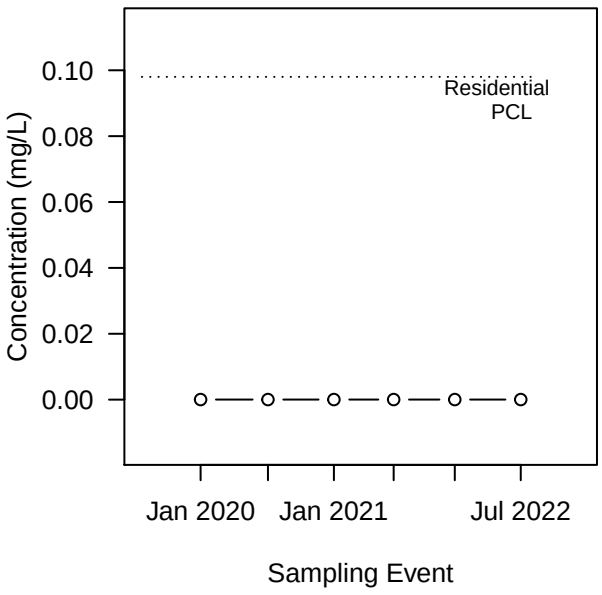
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated (all concentrations are identical)



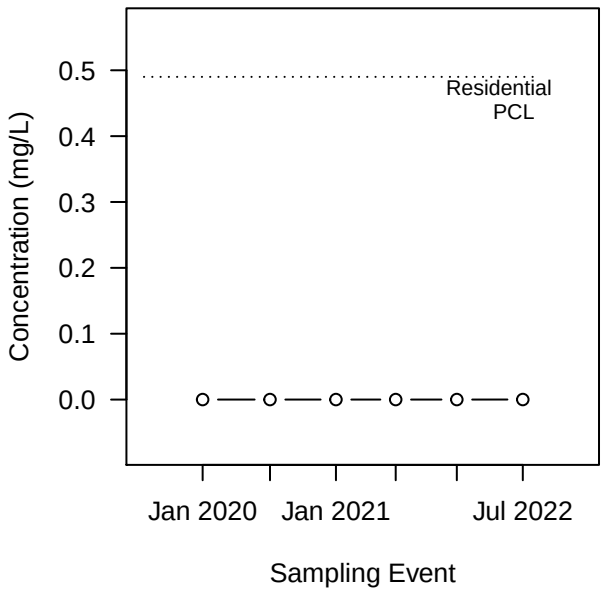
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Naphthalene (Det/N = 0/6)
Not evaluated − All NDs

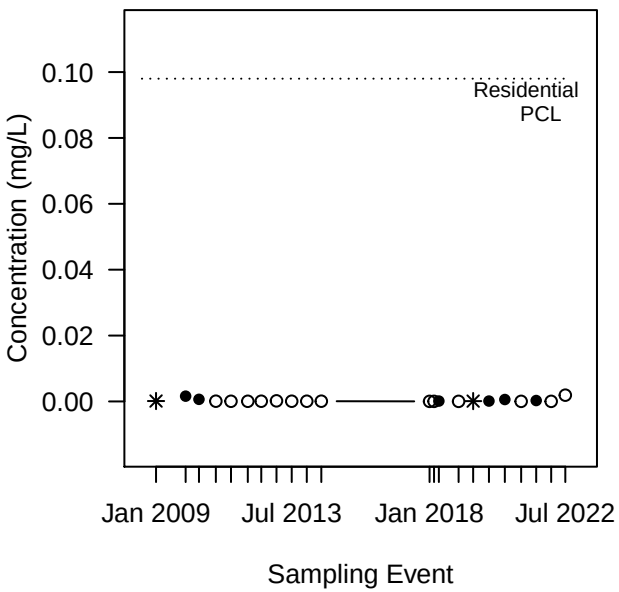


LEGEND:
Concentration
- DET
- ND (DL plotted)

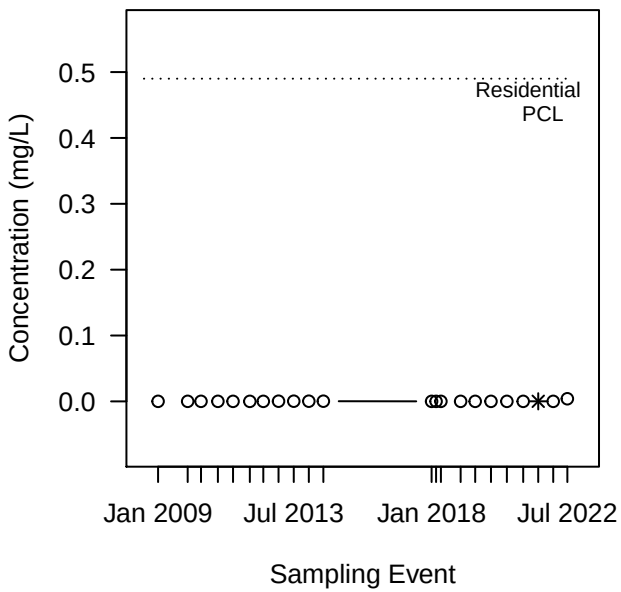
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−62B

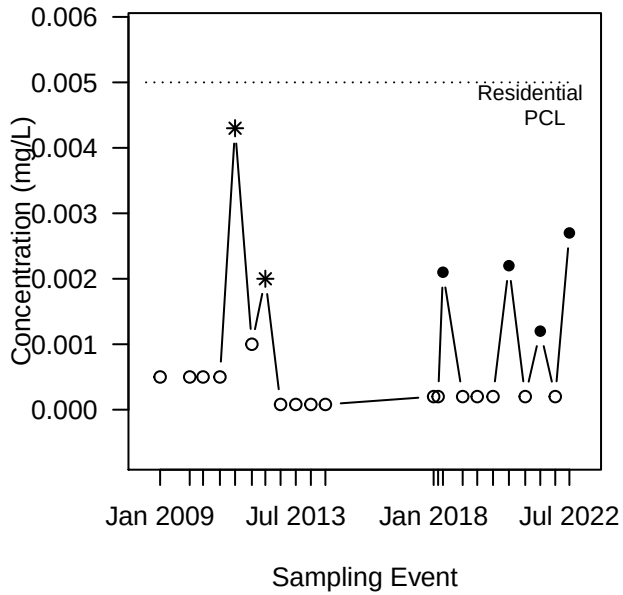
2−Methylnaphthalene (Det/N = 8/22)
No Trend
(p−value=0.422 and CV=1.8)



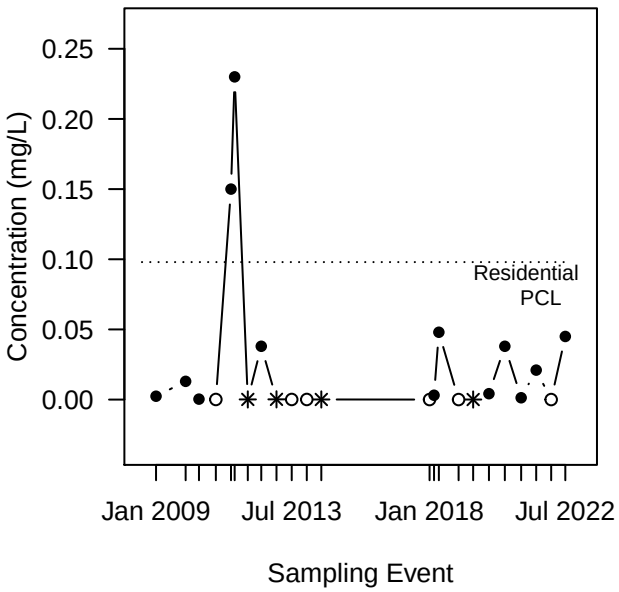
2,4−Dimethylphenol (Det/N = 1/22)
No Trend
(p−value=0.104 and CV=3)



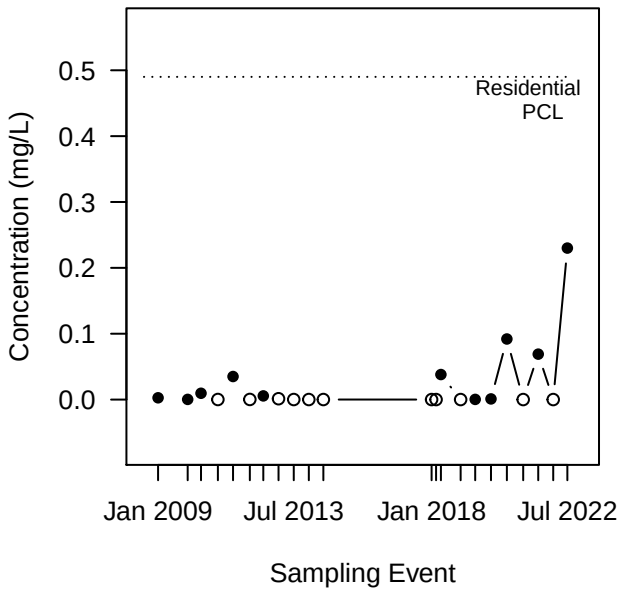
Benzene (Det/N = 6/22)
No Trend
(p−value=0.124 and CV=1.3)



Dibenzofuran (Det/N = 17/23)
No Trend
(p−value=0.479 and CV=2.1)



Naphthalene (Det/N = 11/22)
No Trend
(p−value=0.263 and CV=2.4)

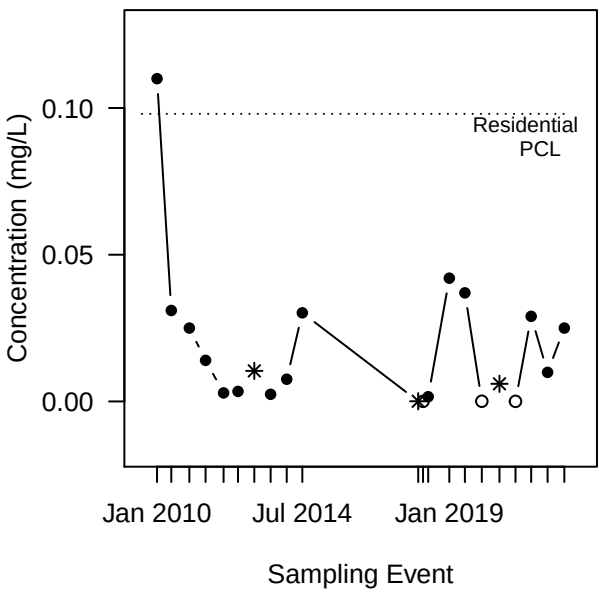


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

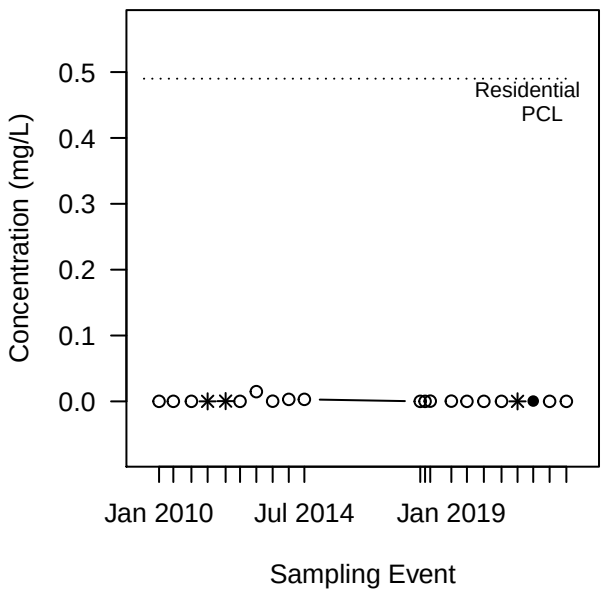
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−63B

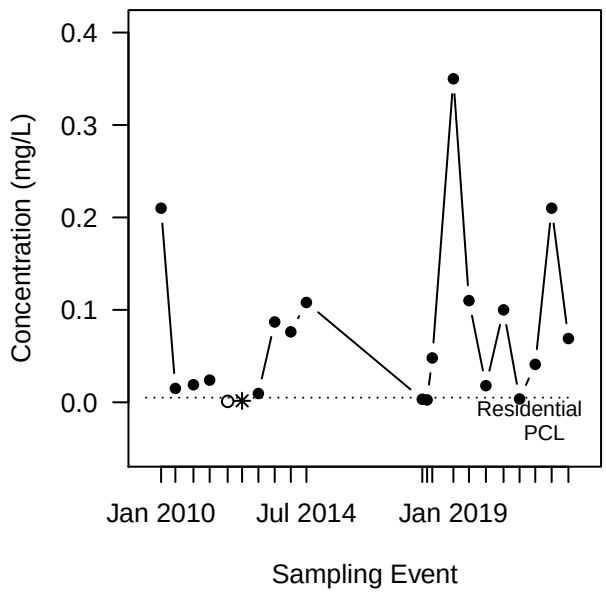
2−Methylnaphthalene (Det/N = 18/21)
No Trend
(p−value=0.107 and CV=1.4)



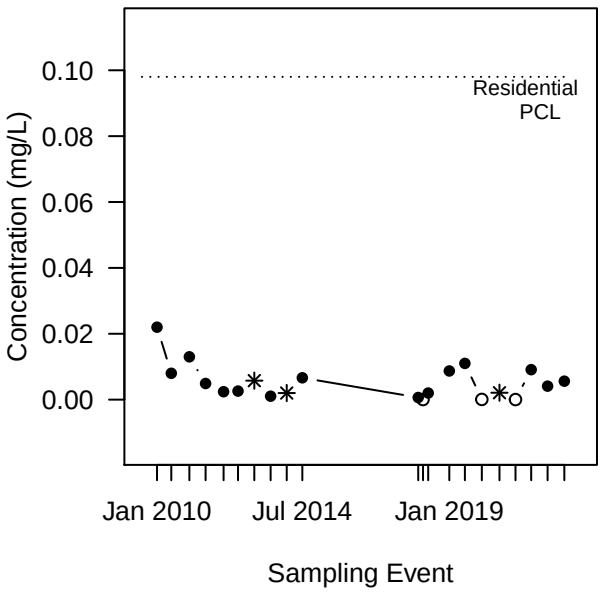
2,4−Dimethylphenol (Det/N = 4/21)
No Trend
(p−value=0.378 and CV=2.9)



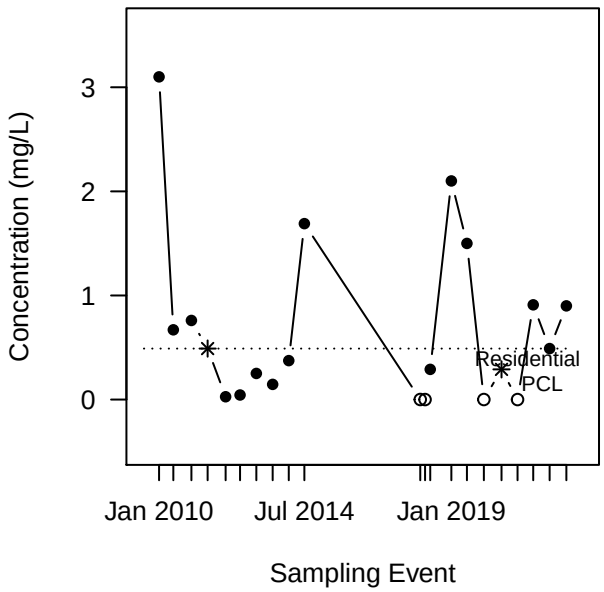
Benzene (Det/N = 20/21)
No Trend
(p−value=0.125 and CV=1.2)



Dibenzofuran (Det/N = 18/21)
Probably Decreasing
(p−value=0.0966 and CV=1)



Naphthalene (Det/N = 17/21)
No Trend
(p−value=0.347 and CV=1.2)

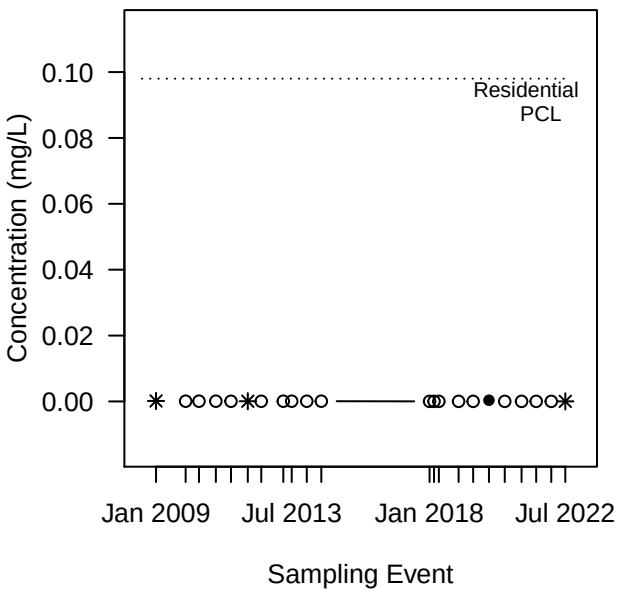


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

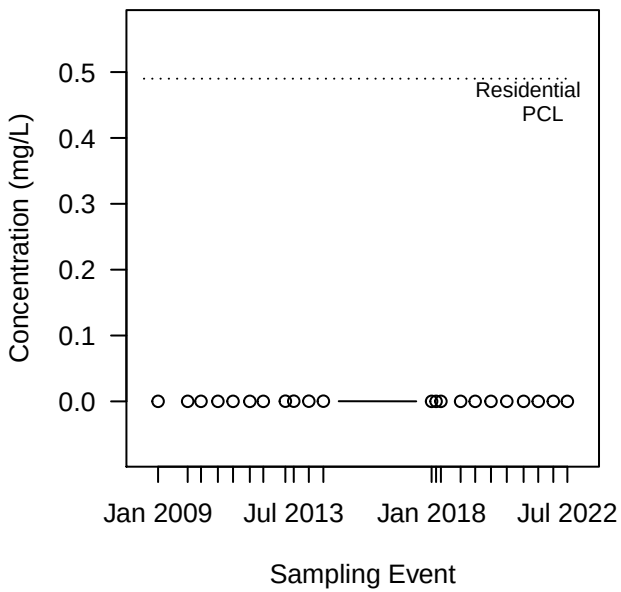
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−64A

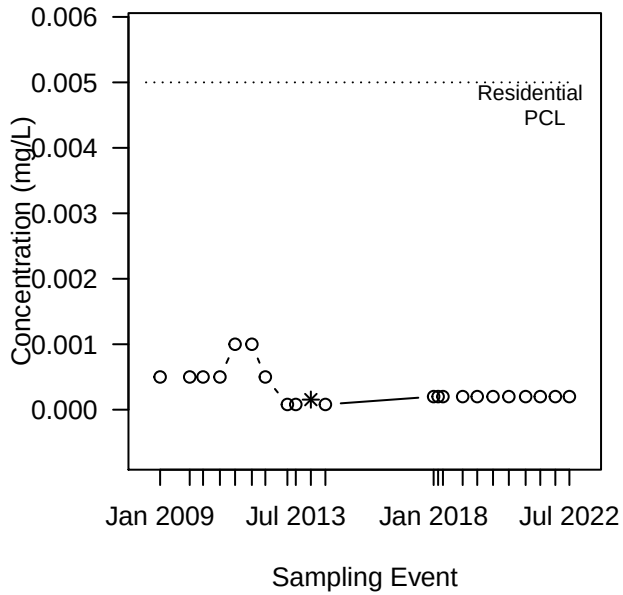
2−Methylnaphthalene (Det/N = 4/22)
No Trend
(p−value=0.483 and CV=1.2)



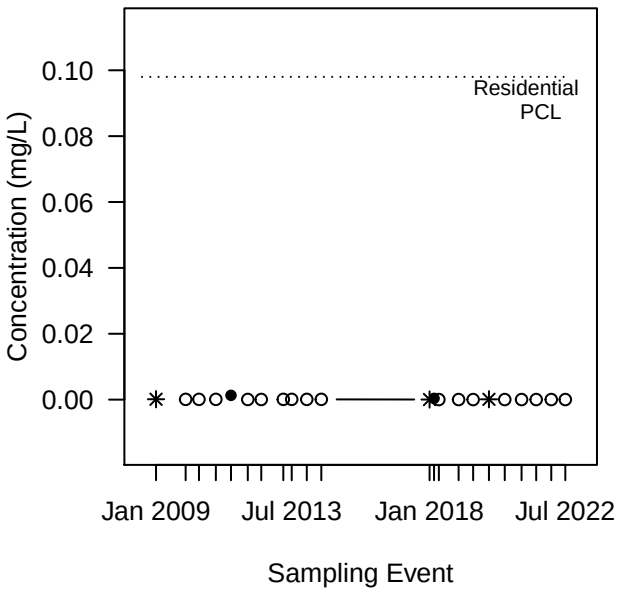
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



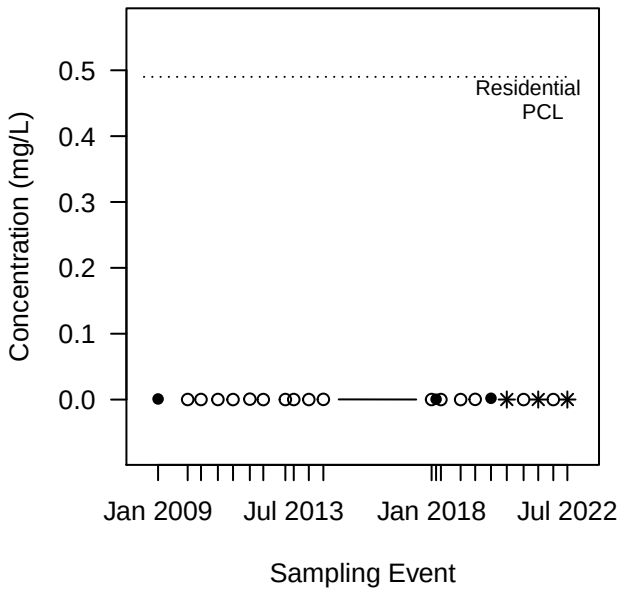
Benzene (Det/N = 1/22)
Stable
(p−value=0.437 and CV=0.81)



Dibenzofuran (Det/N = 5/22)
No Trend
(p−value=0.22 and CV=2.2)



Naphthalene (Det/N = 6/22)
No Trend
(p−value=0.109 and CV=1.7)

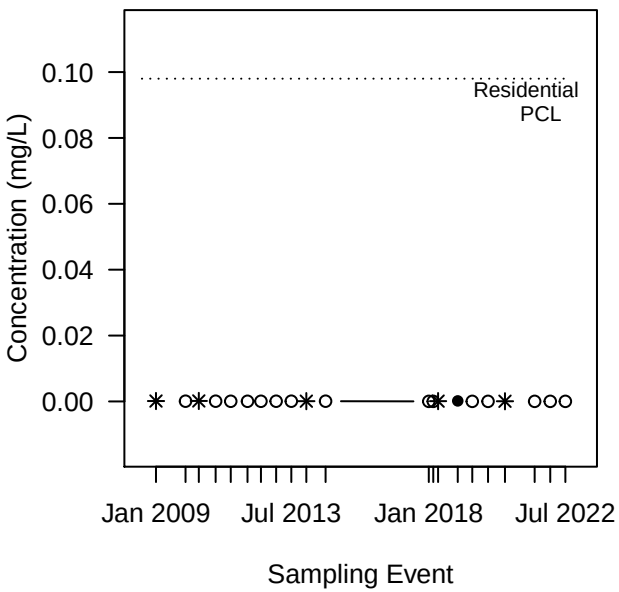


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

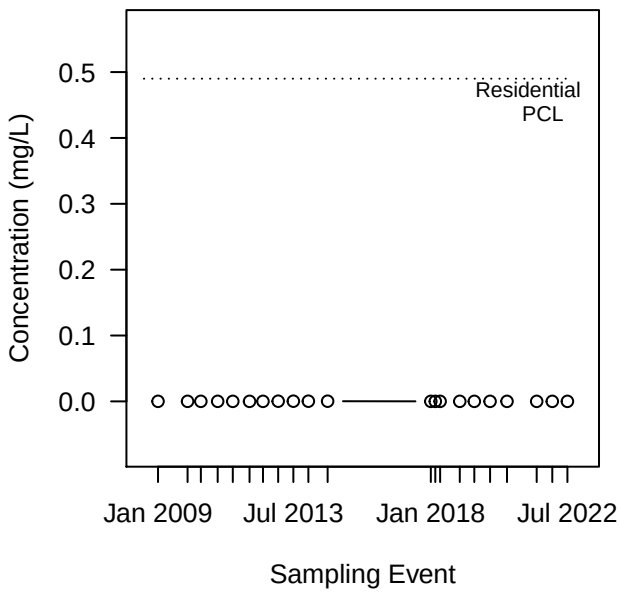
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−65D

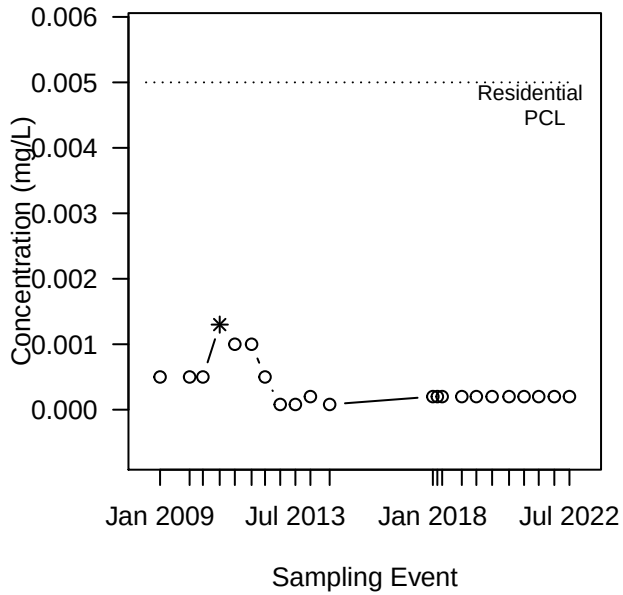
2−Methylnaphthalene (Det/N = 6/21)
Stable
(p−value=0.324 and CV=0.68)



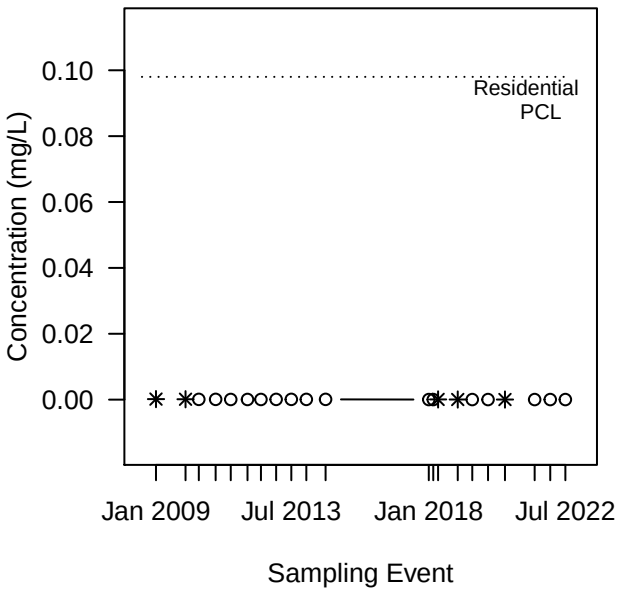
2,4−Dimethylphenol (Det/N = 0/21)
Not evaluated − All NDs



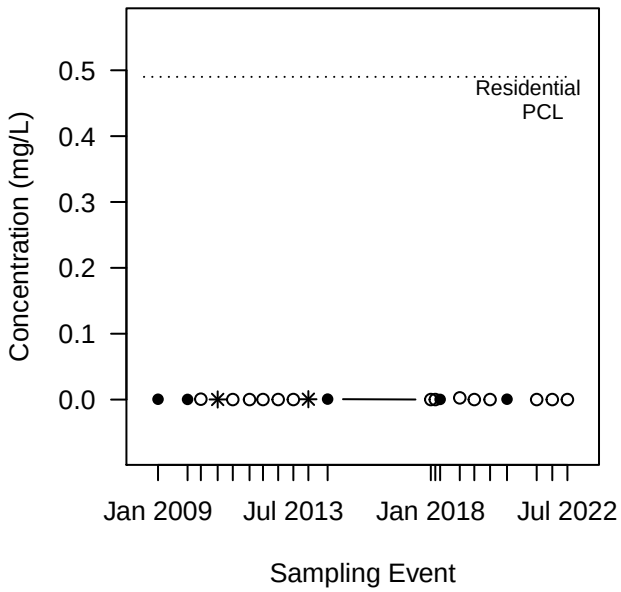
Benzene (Det/N = 1/22)
Stable
(p−value=0.135 and CV=0.92)



Dibenzofuran (Det/N = 5/21)
Stable
(p−value=0.22 and CV=0.67)



Naphthalene (Det/N = 7/21)
No Trend
(p−value=0.173 and CV=1.8)

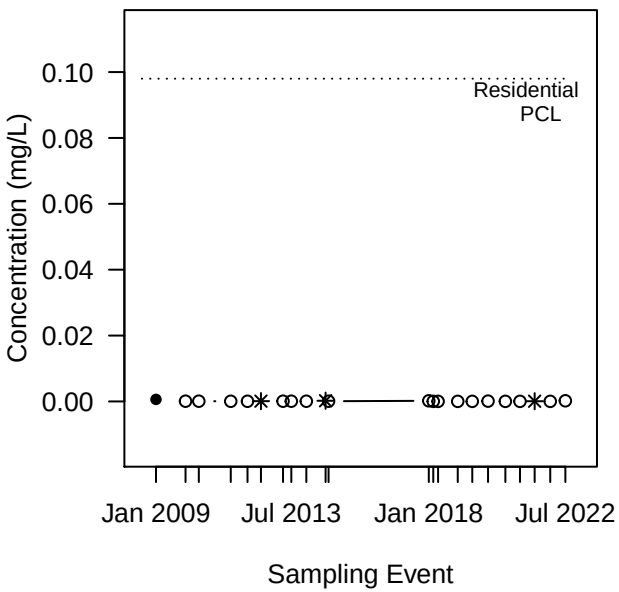


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

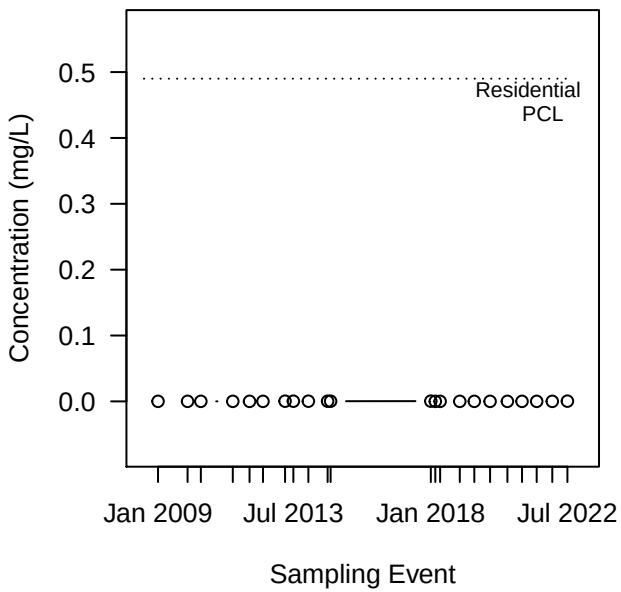
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−66D

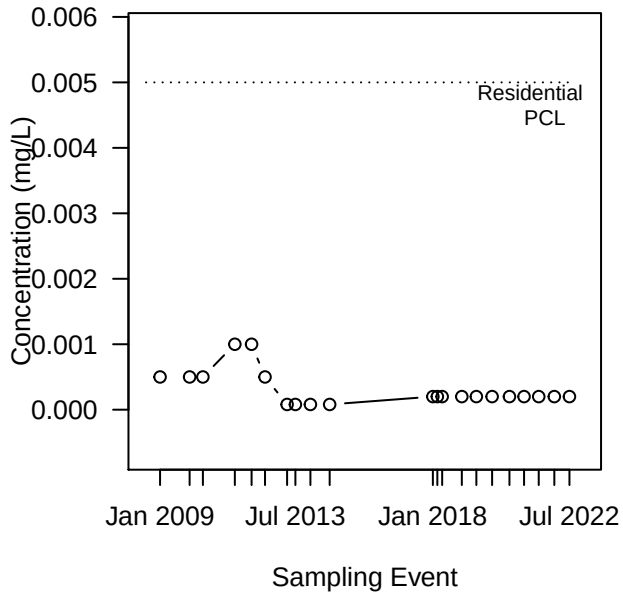
2−Methylnaphthalene (Det/N = 4/22)
No Trend
(p−value=0.188 and CV=1.4)



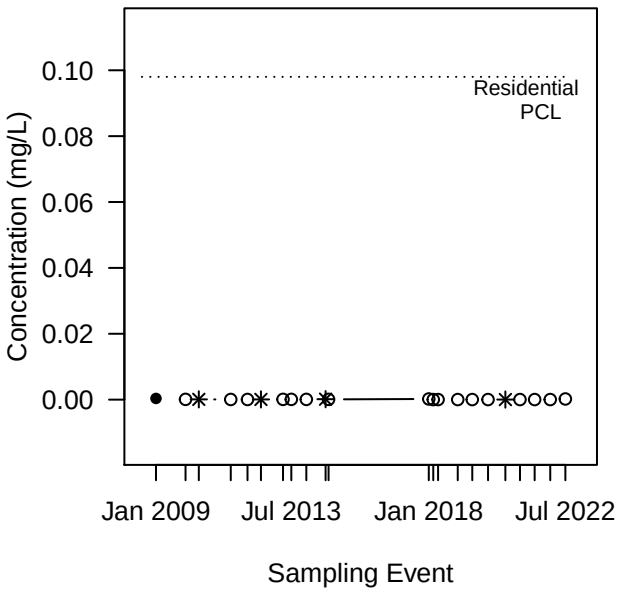
2,4−Dimethylphenol (Det/N = 0/22)
Not evaluated − All NDs



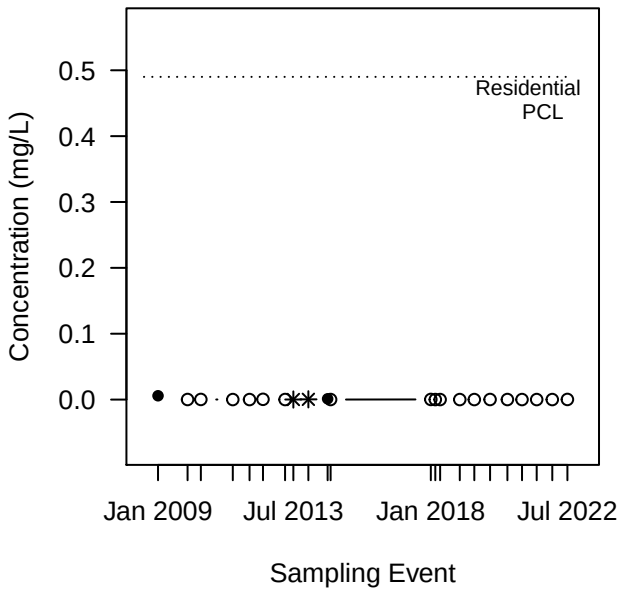
Benzene (Det/N = 0/21)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/22)
Decreasing
(p−value=0.0444 and CV=1.1)



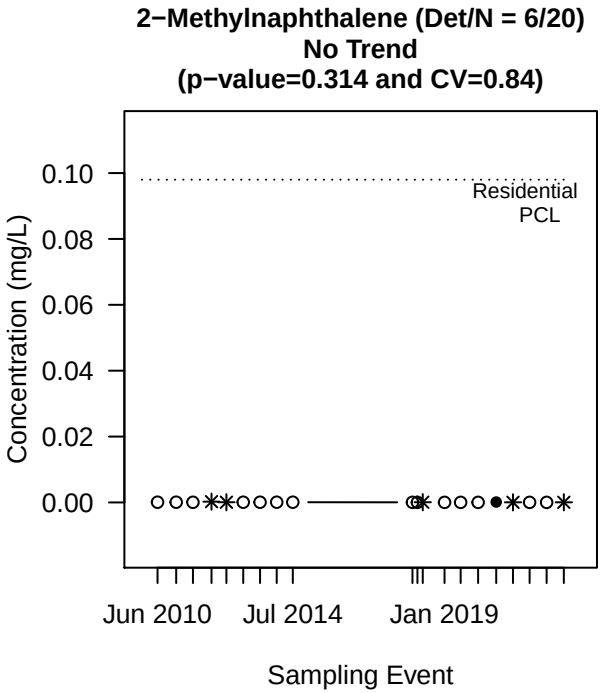
Naphthalene (Det/N = 4/22)
Probably Decreasing
(p−value=0.0697 and CV=3)

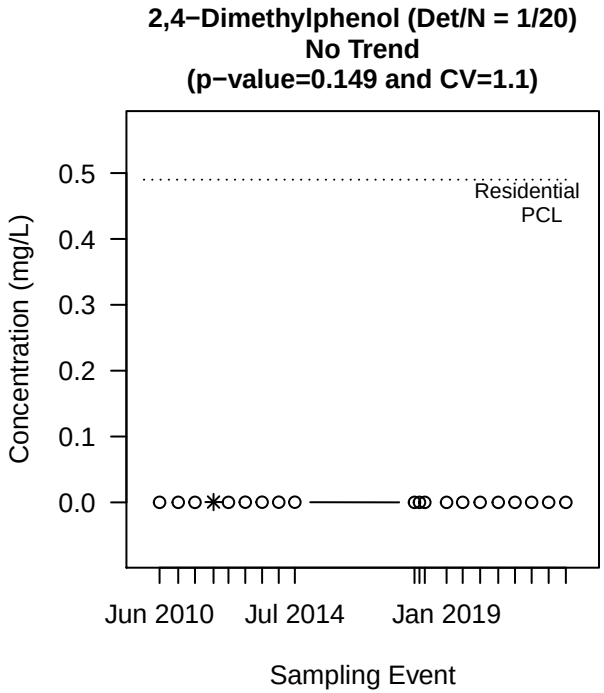


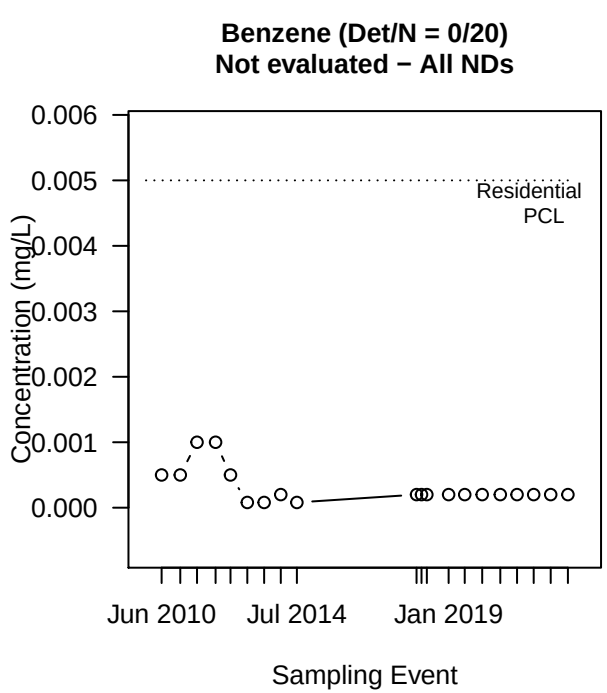
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

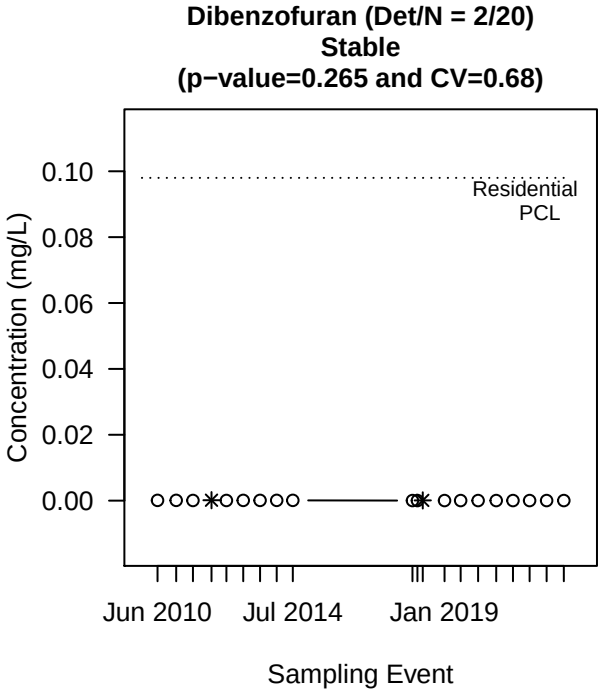
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

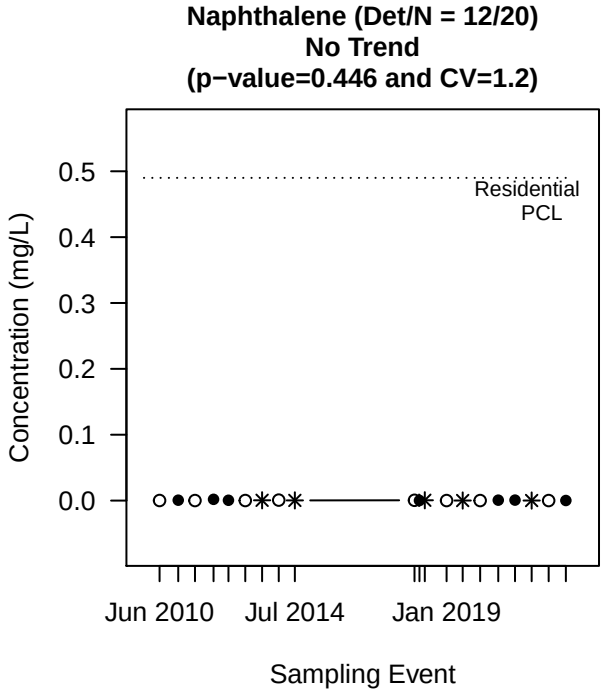
Mann−Kendall Trend Tests for MW−67B

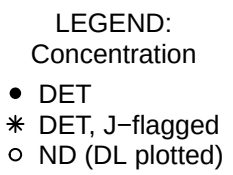








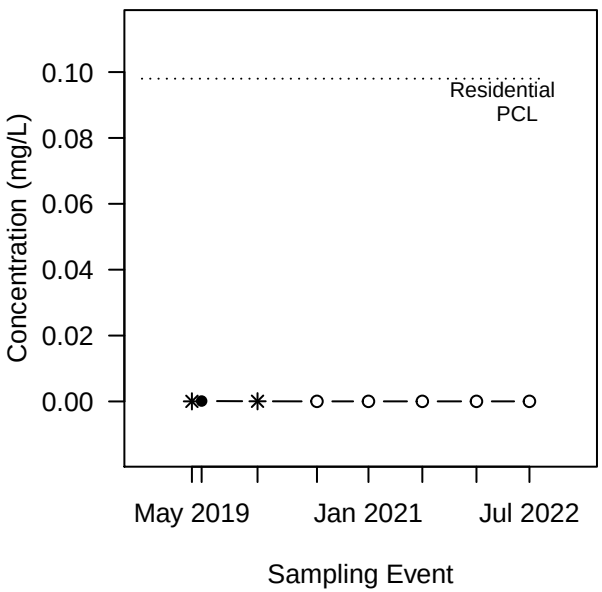




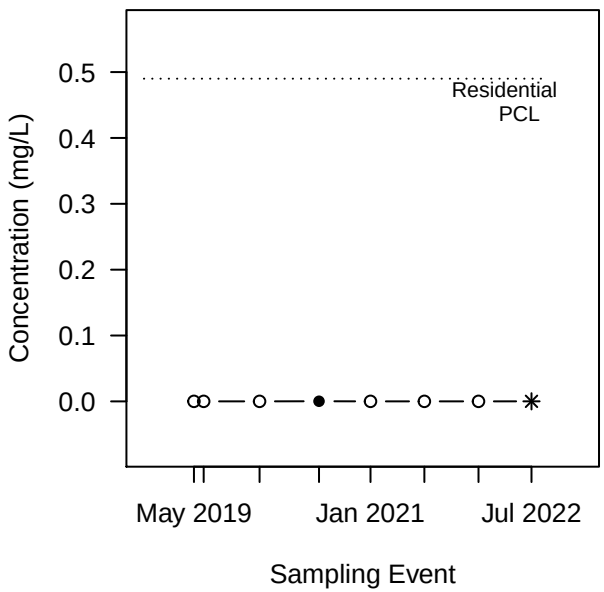
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−68A

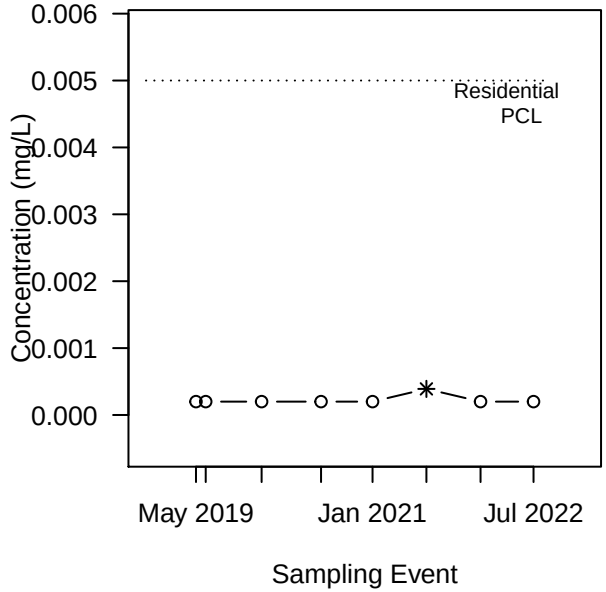
2−Methylnaphthalene (Det/N = 3/8)
Decreasing
(p−value=0.0312 and CV=0.98)



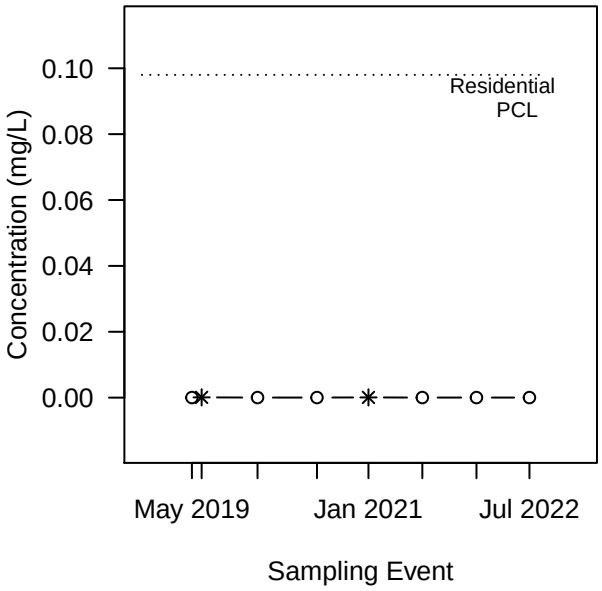
2,4−Dimethylphenol (Det/N = 2/8)
No Trend
(p−value=0.255 and CV=0.95)



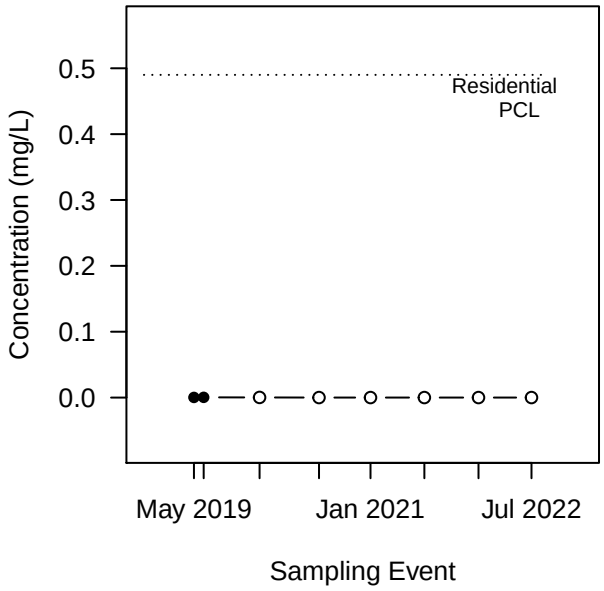
Benzene (Det/N = 1/8)
No Trend
(p−value=0.331 and CV=0.3)



Dibenzofuran (Det/N = 2/8)
Stable
(p−value=0.255 and CV=0.73)



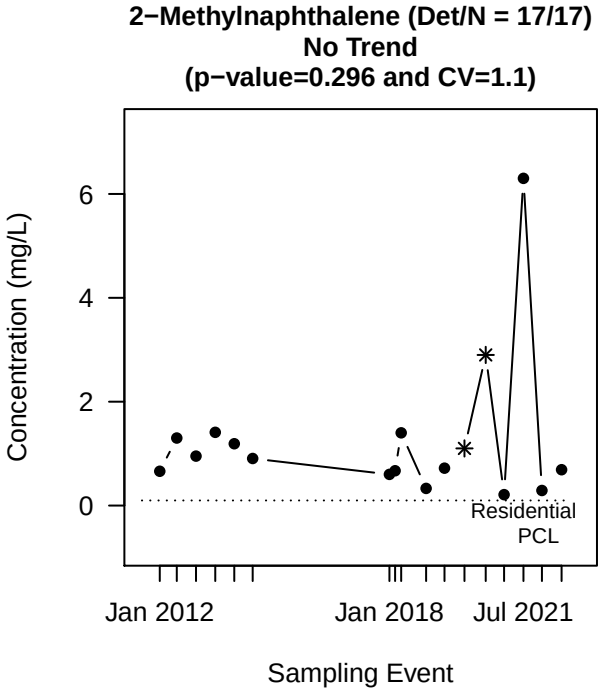
Naphthalene (Det/N = 2/8)
Probably Decreasing
(p−value=0.0501 and CV=1.1)

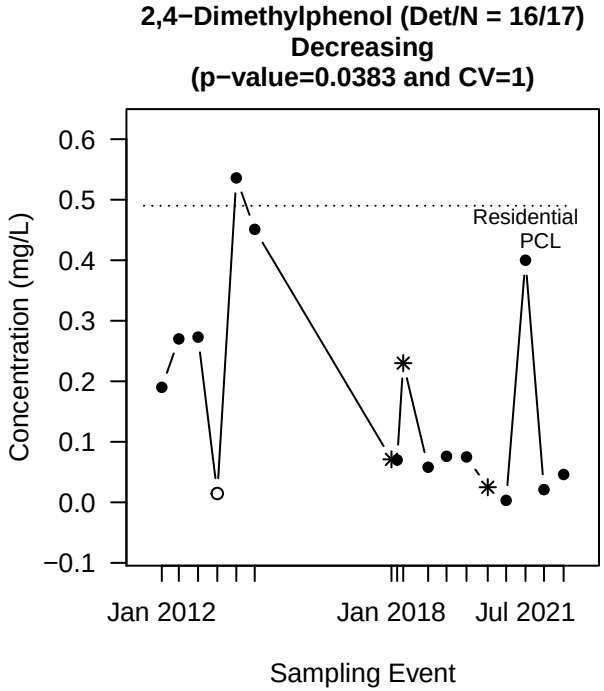


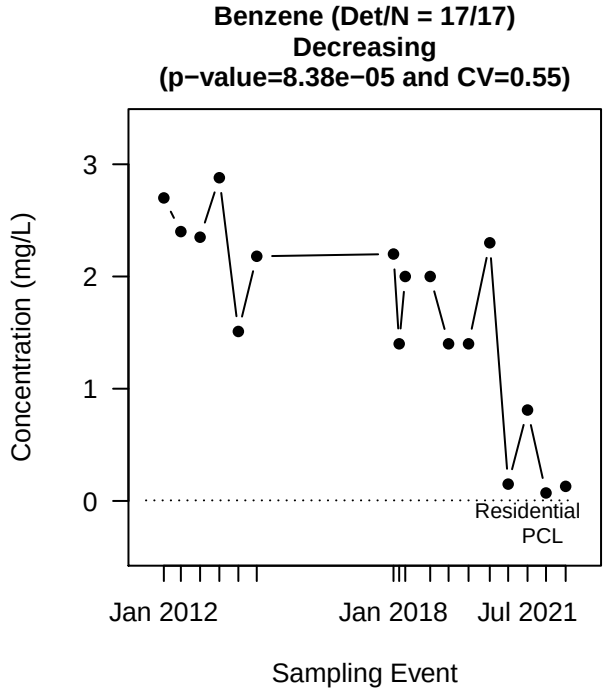
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

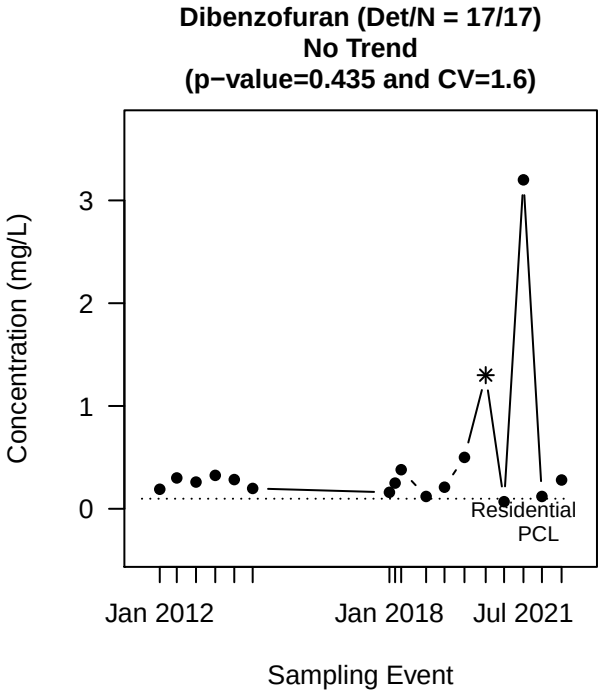
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

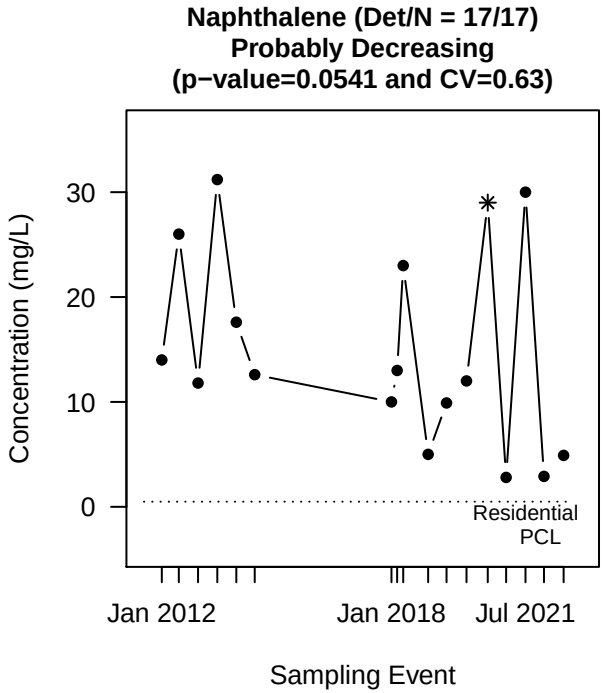
Mann−Kendall Trend Tests for MW−68B









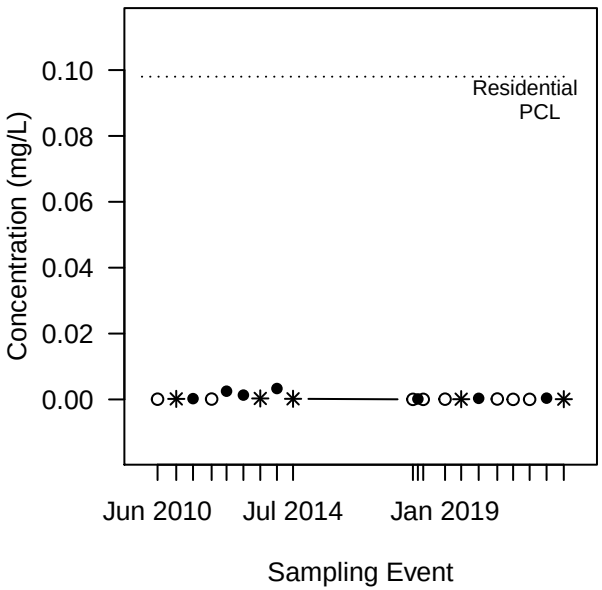


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

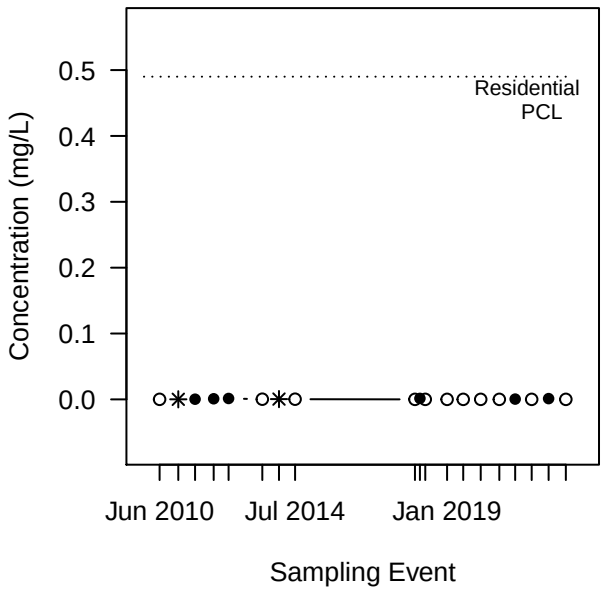
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−68C

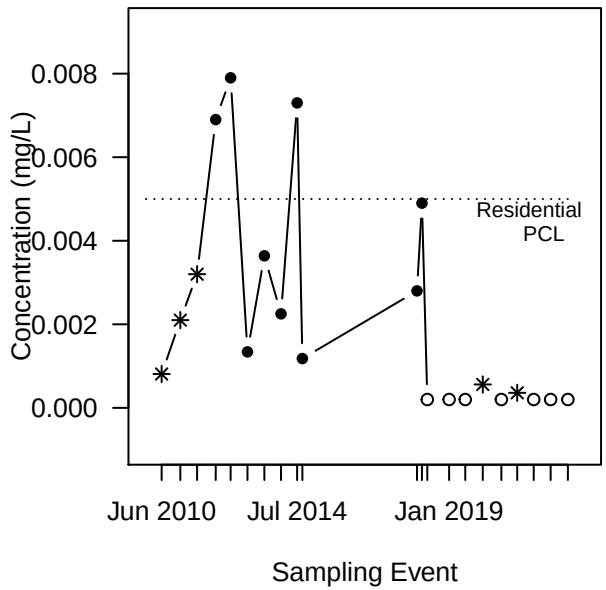
2−Methylnaphthalene (Det/N = 12/20)
No Trend
(p−value=0.2 and CV=1.9)



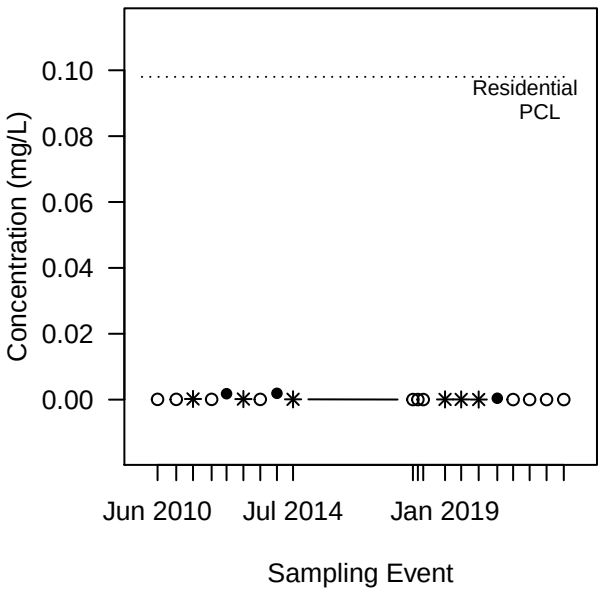
2,4−Dimethylphenol (Det/N = 8/19)
No Trend
(p−value=0.253 and CV=1.3)



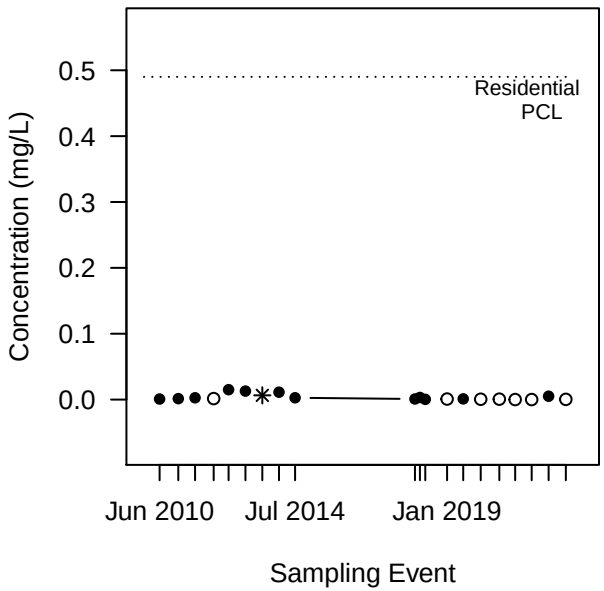
Benzene (Det/N = 14/21)
Decreasing
(p−value=0.00154 and CV=1.1)



Dibenzofuran (Det/N = 9/20)
No Trend
(p−value=0.177 and CV=2.1)



Naphthalene (Det/N = 13/20)
Decreasing
(p−value=0.0167 and CV=1.3)

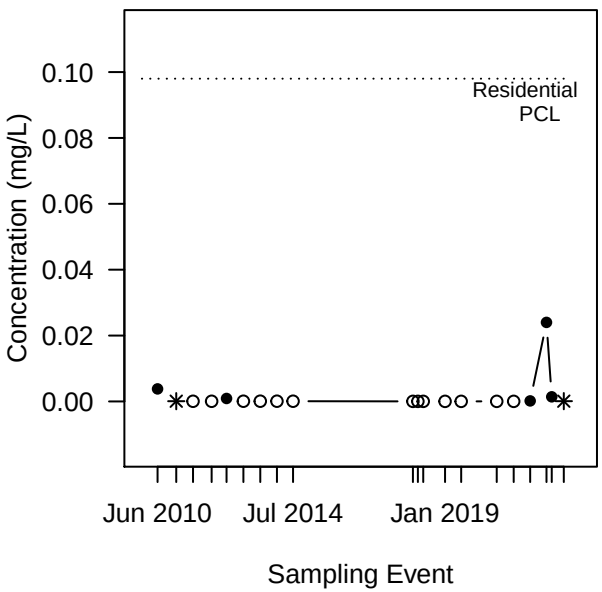


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

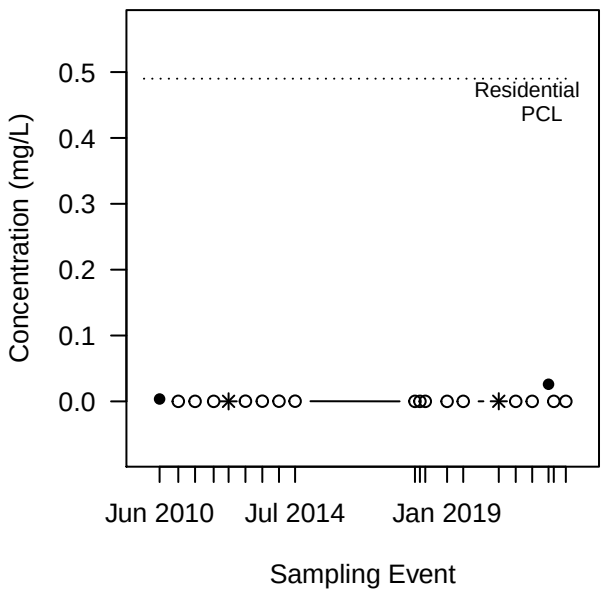
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−69A

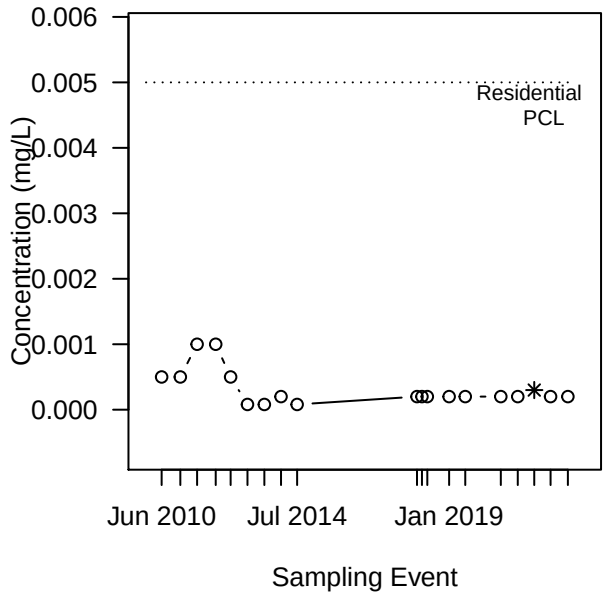
2−Methylnaphthalene (Det/N = 7/20)
No Trend
(p−value=0.283 and CV=3.5)



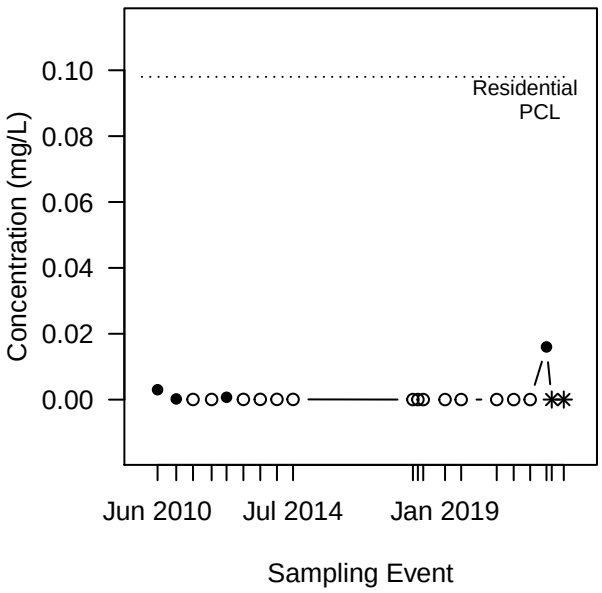
2,4−Dimethylphenol (Det/N = 4/20)
No Trend
(p−value=0.444 and CV=3.7)



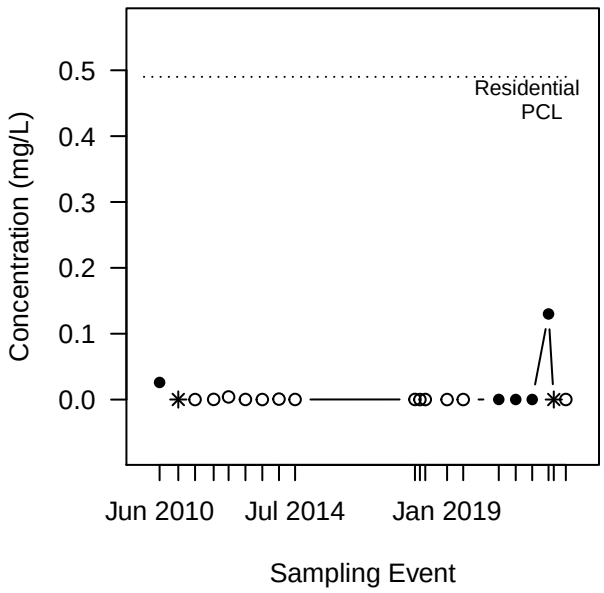
Benzene (Det/N = 1/19)
No Trend
(p−value=0.118 and CV=0.86)



Dibenzofuran (Det/N = 6/20)
No Trend
(p−value=0.5 and CV=3.5)



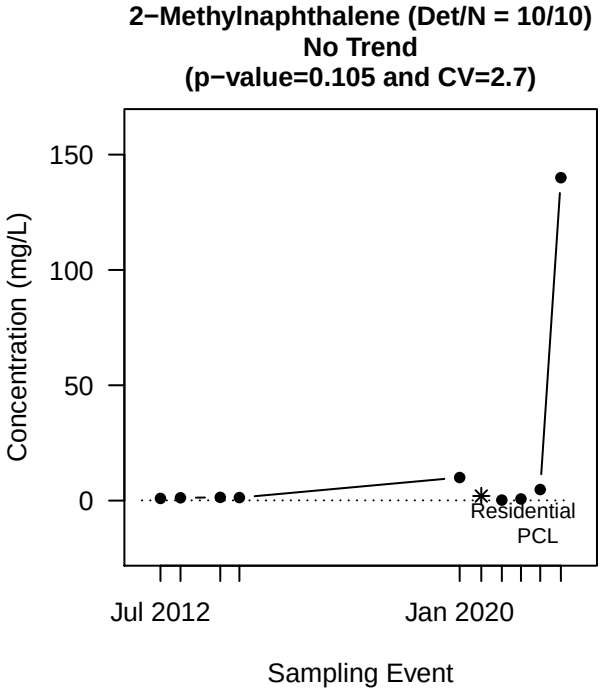
Naphthalene (Det/N = 7/20)
No Trend
(p−value=0.211 and CV=3.6)

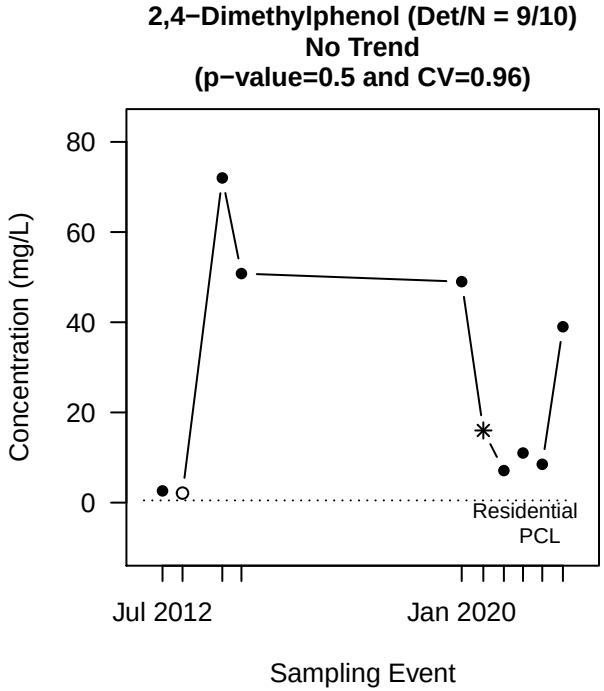


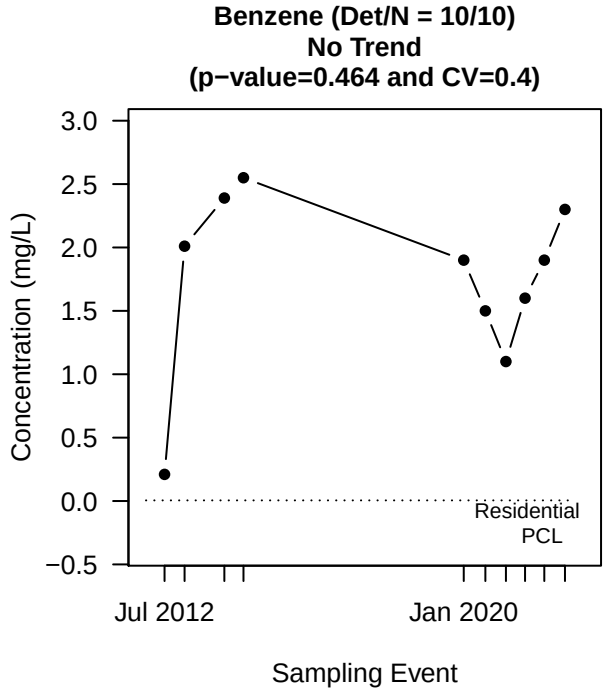
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

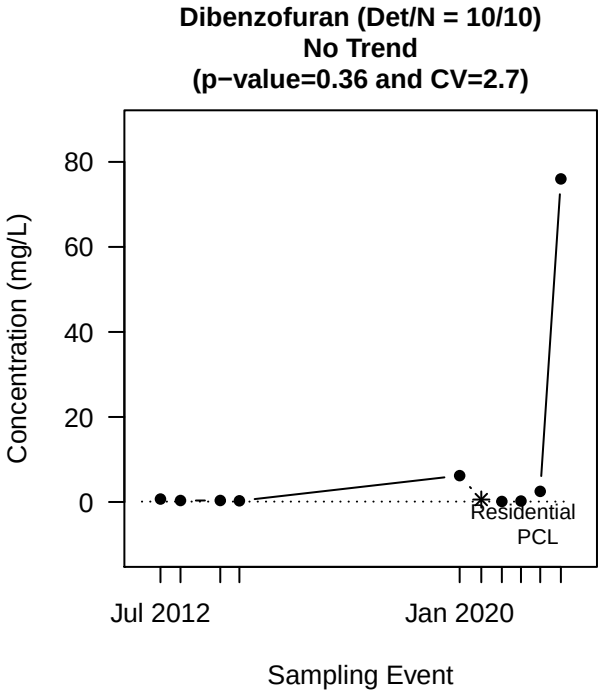
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

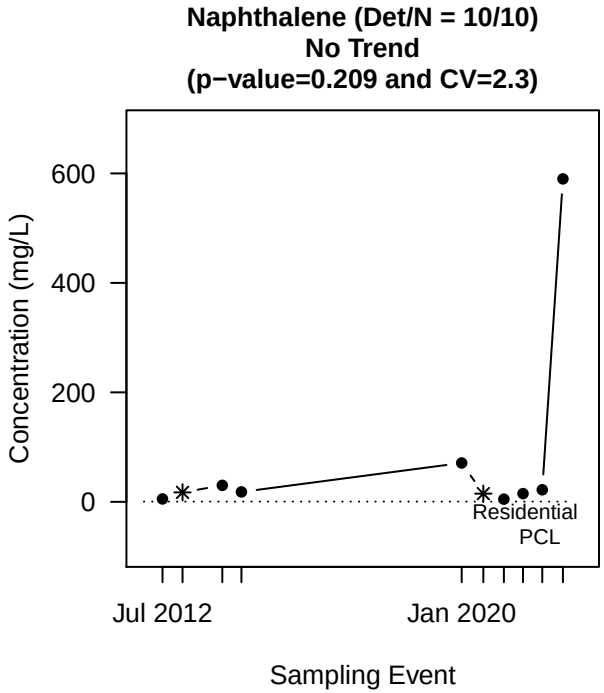
Mann−Kendall Trend Tests for MW−70B









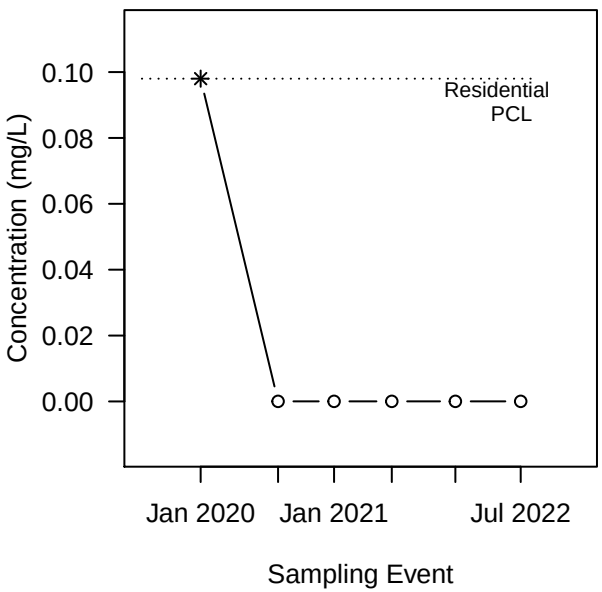


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

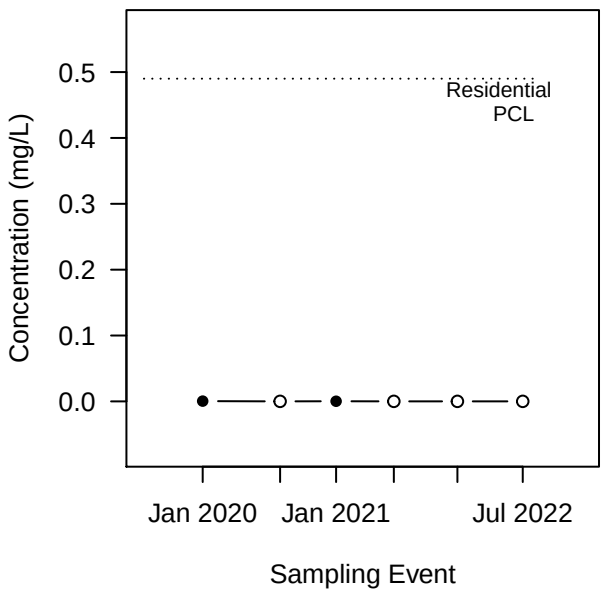
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−70C

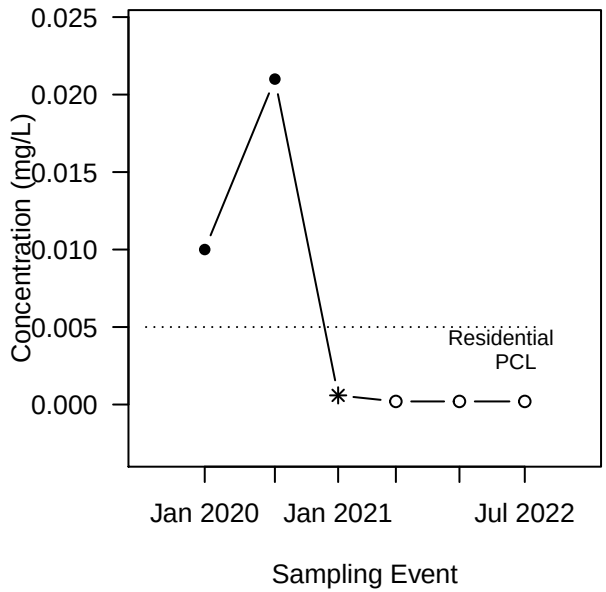
2−Methylnaphthalene (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=2.4)



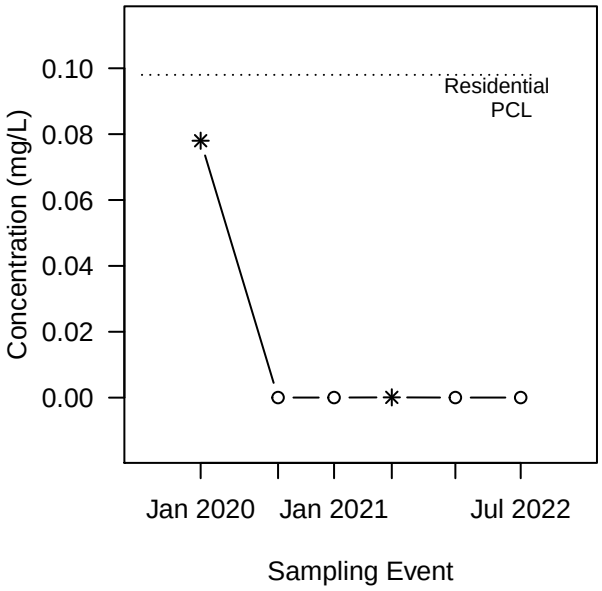
2,4−Dimethylphenol (Det/N = 2/6)
Probably Decreasing
(p−value=0.088 and CV=1.2)



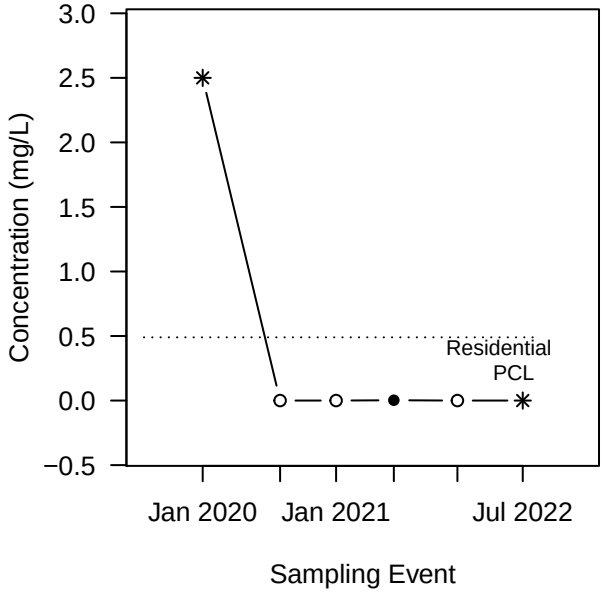
Benzene (Det/N = 3/6)
Decreasing
(p−value=0.035 and CV=1.6)



Dibenzofuran (Det/N = 2/6)
No Trend
(p−value=0.184 and CV=2.4)



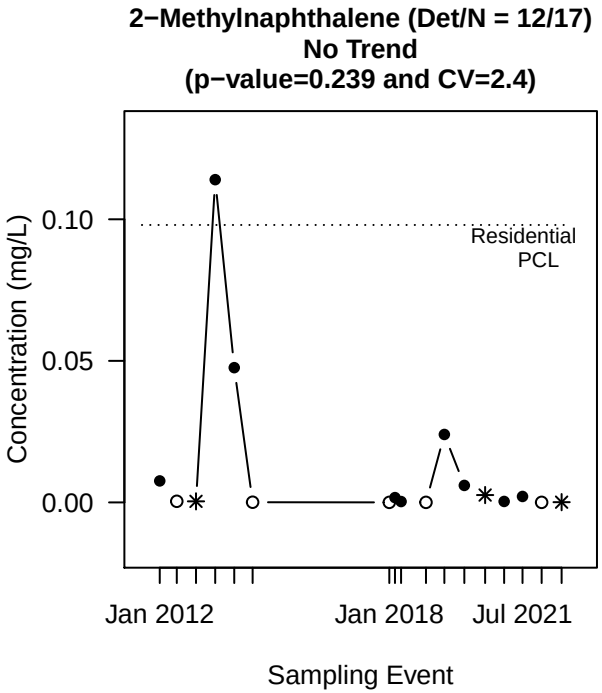
Naphthalene (Det/N = 3/6)
No Trend
(p−value=0.42 and CV=2.4)

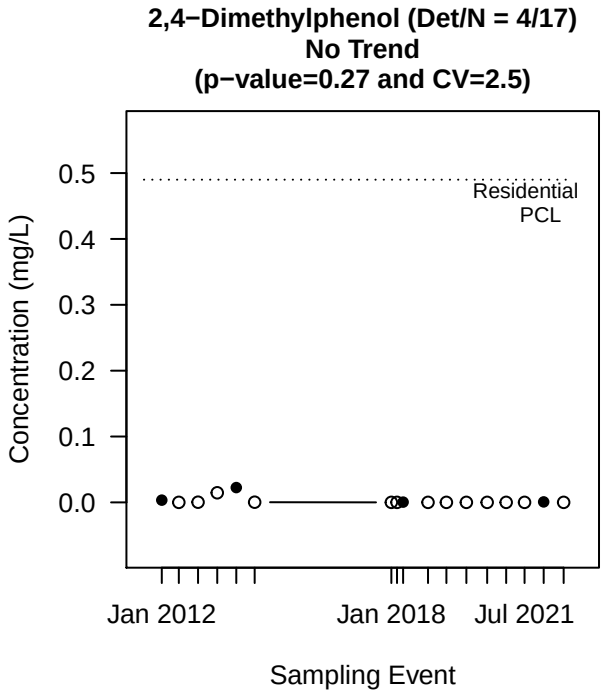


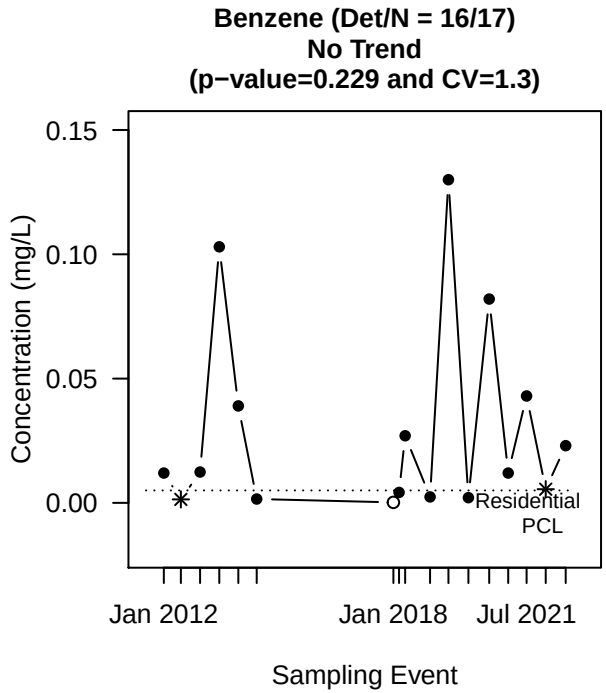
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

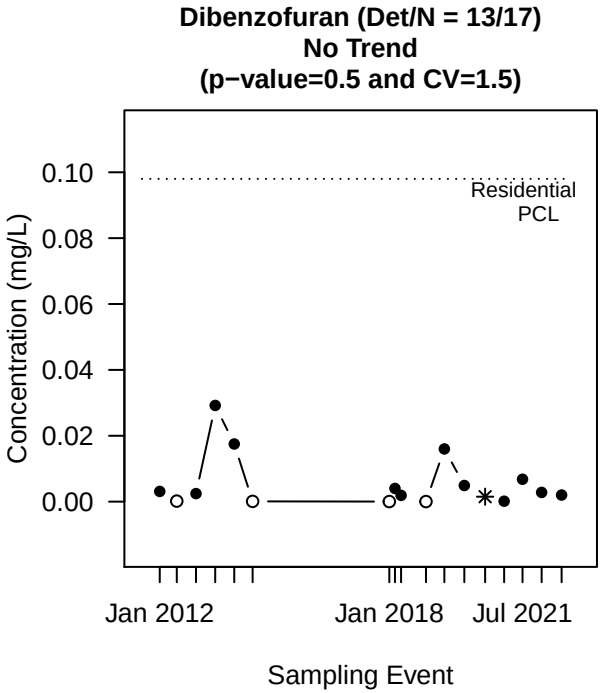
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

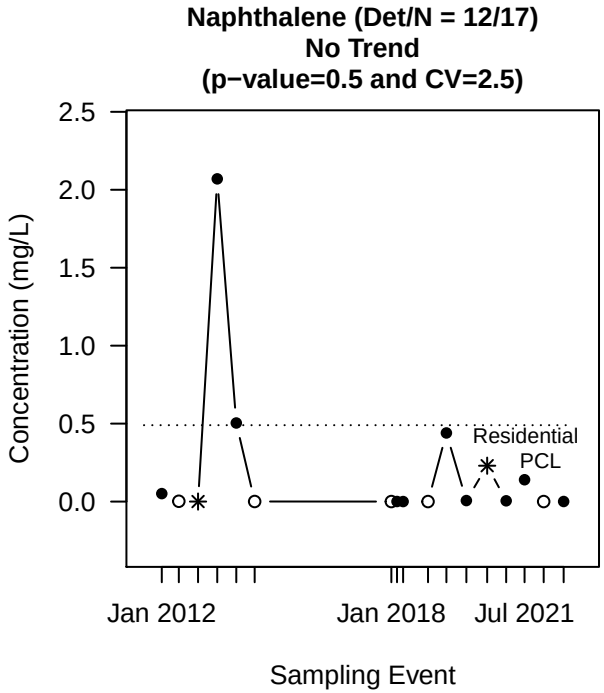
Mann−Kendall Trend Tests for MW−71B









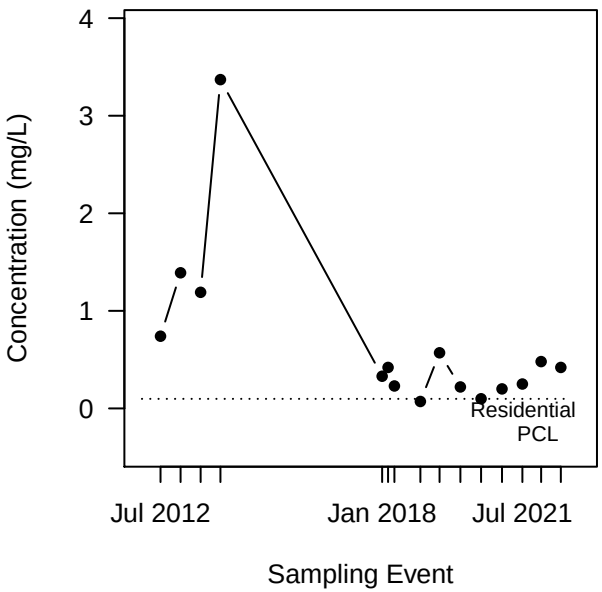


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

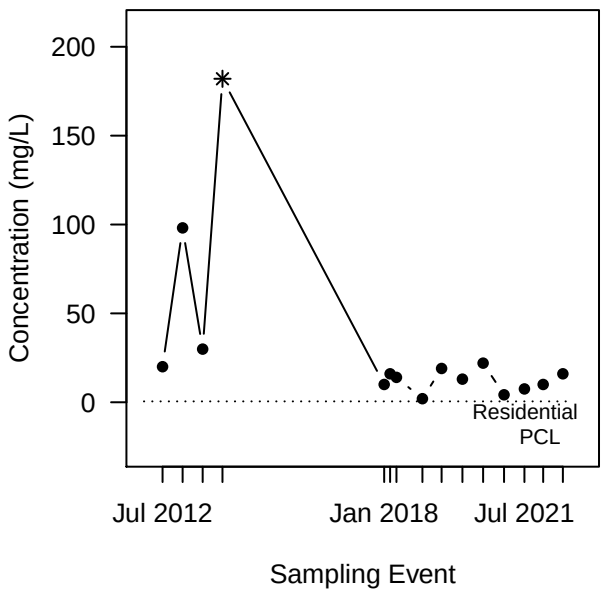
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−72B

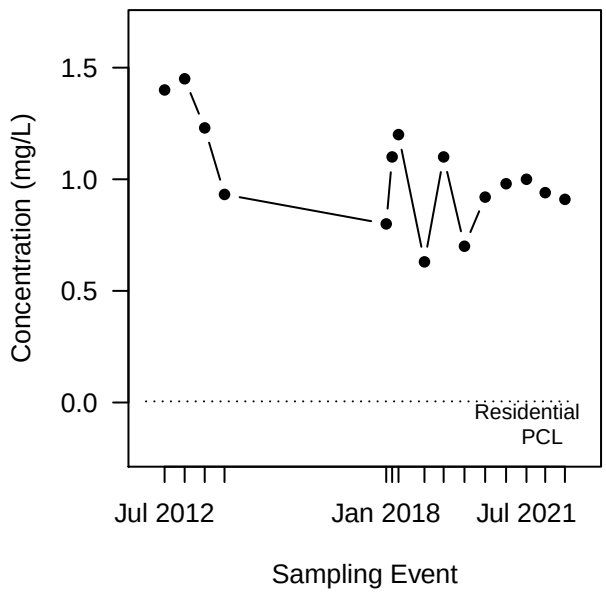
2−Methylnaphthalene (Det/N = 15/15)
Decreasing
(p−value=0.0414 and CV=1.3)



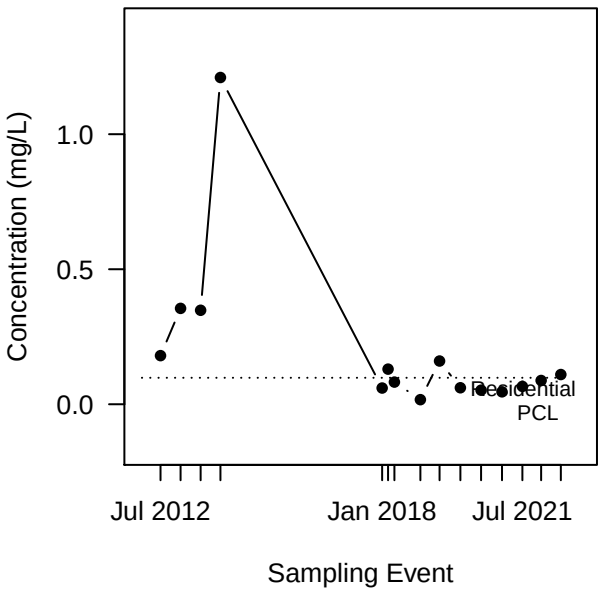
2,4−Dimethylphenol (Det/N = 15/15)
Decreasing
(p−value=0.0371 and CV=1.5)



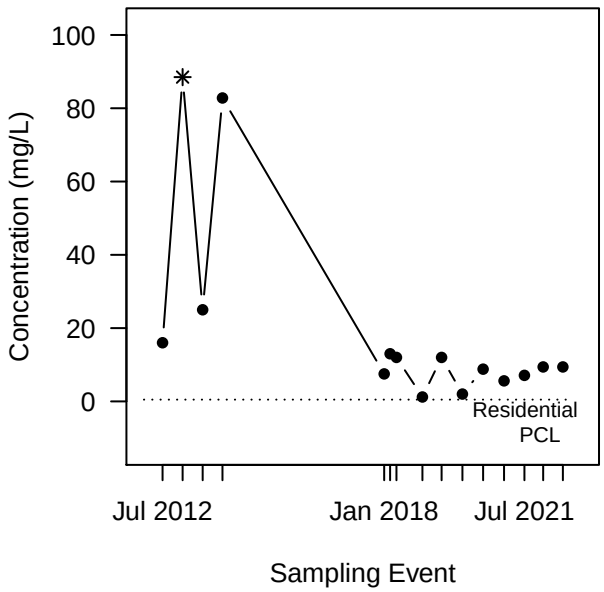
Benzene (Det/N = 15/15)
Decreasing
(p−value=0.0267 and CV=0.23)



Dibenzofuran (Det/N = 15/15)
Decreasing
(p−value=0.0462 and CV=1.5)



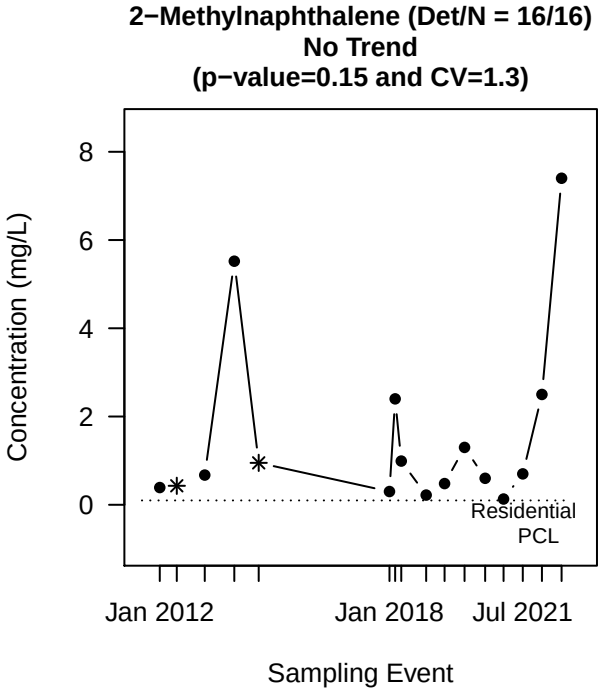
Naphthalene (Det/N = 15/15)
Decreasing
(p−value=0.0145 and CV=1.4)

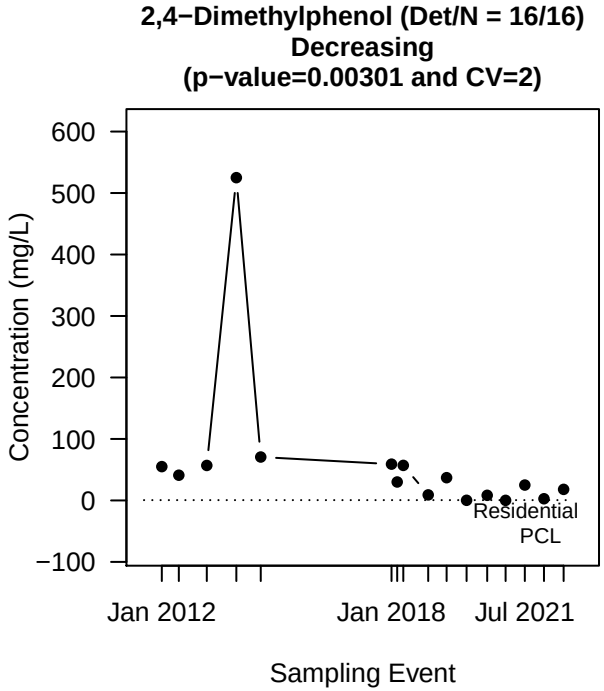


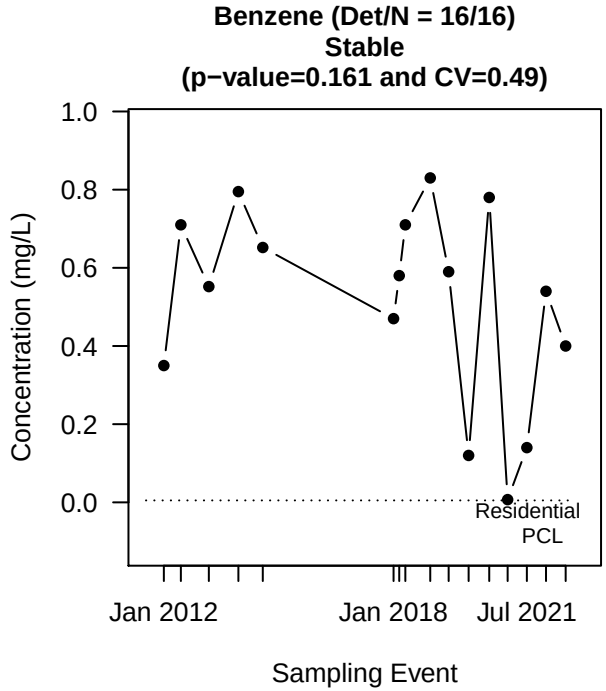
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

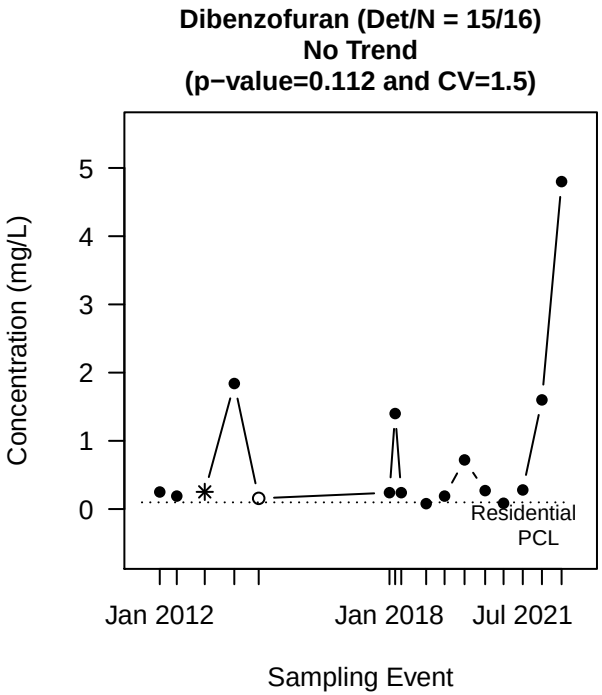
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

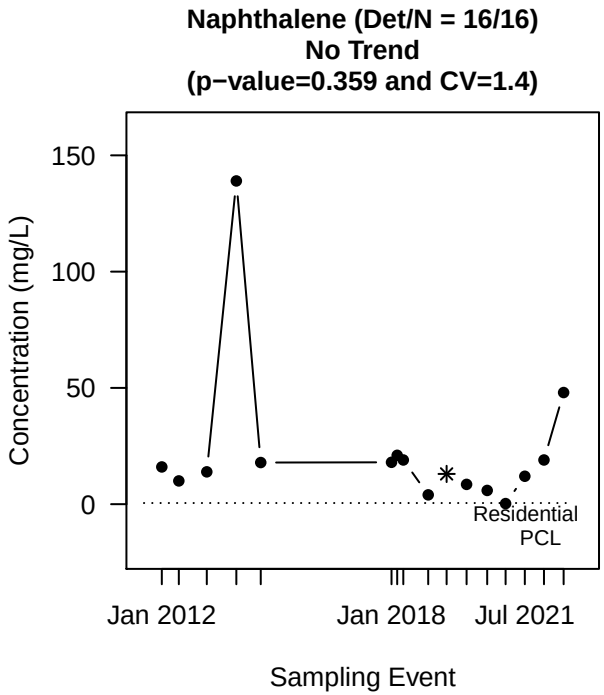
Mann−Kendall Trend Tests for MW−74B









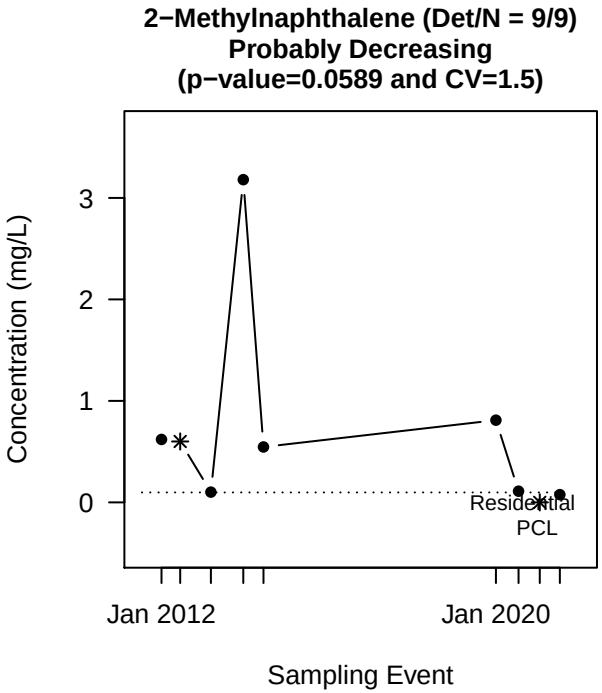


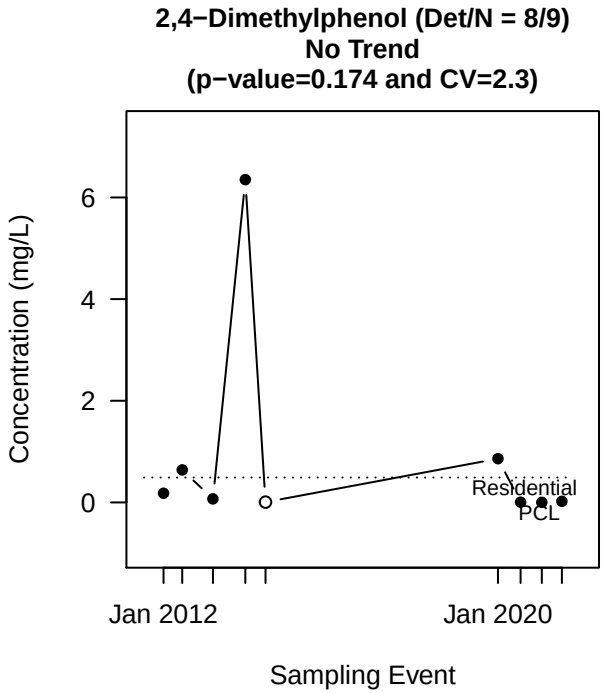
LEGEND:
Concentration

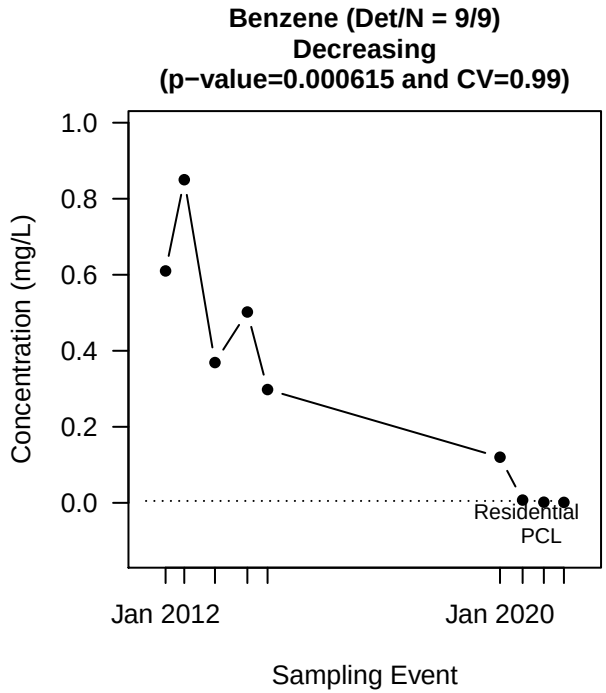
- DET
- DET, J−flagged
- ND (DL plotted)

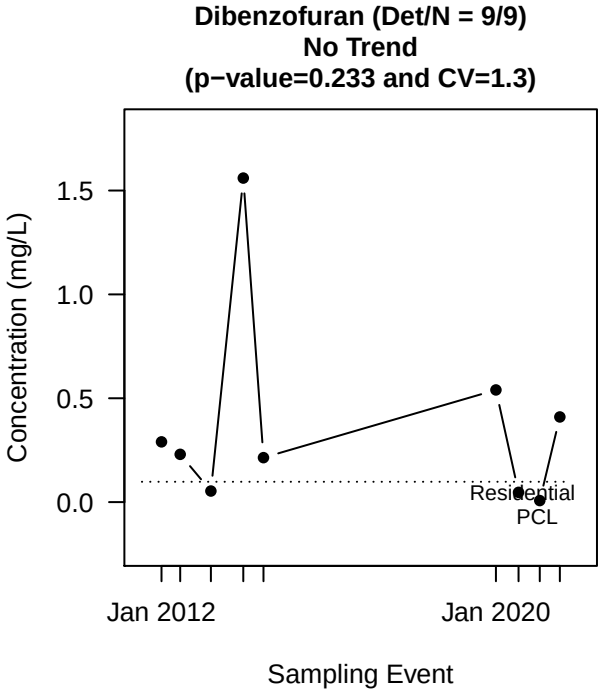
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

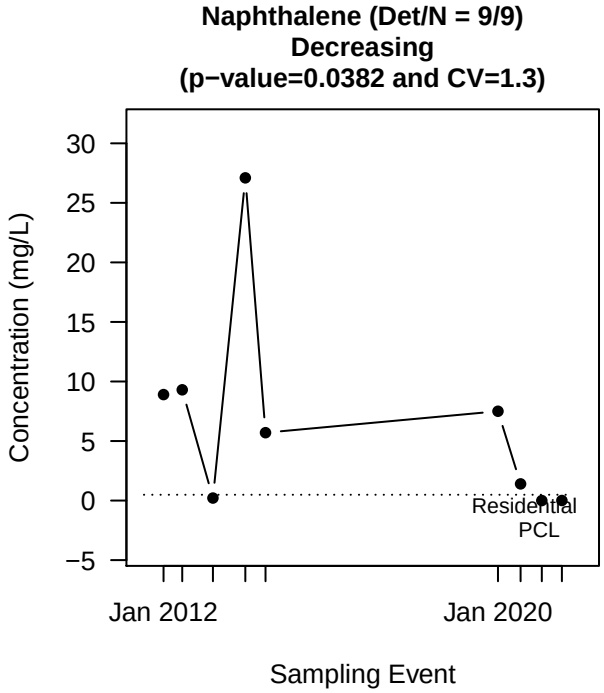
Mann−Kendall Trend Tests for MW−75B











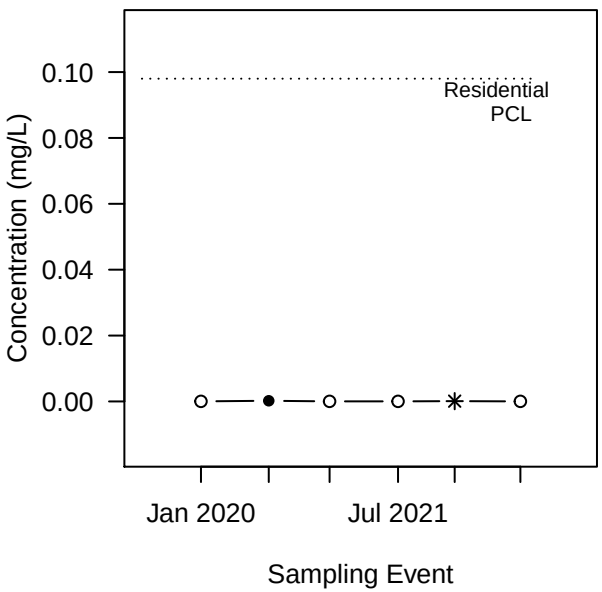
LEGEND:
Concentration

- DET
- DET, J−flagged
- ND (DL plotted)

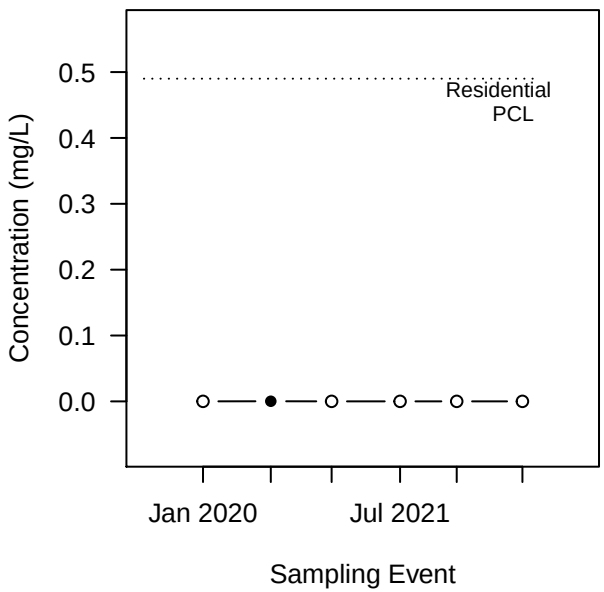
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−76B

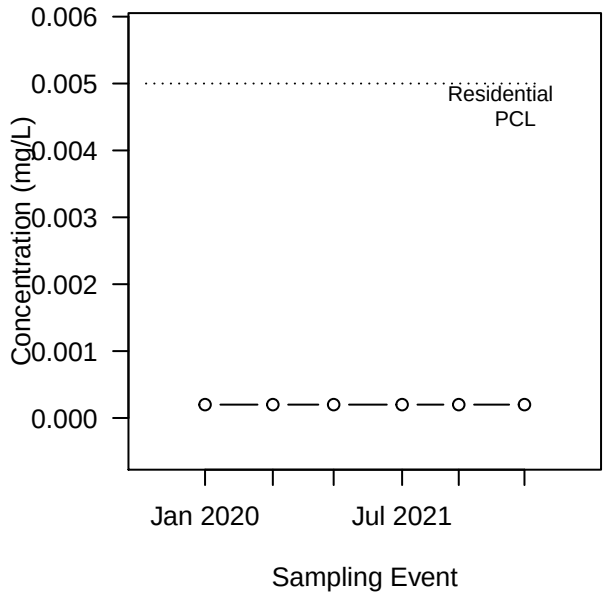
2−Methylnaphthalene (Det/N = 2/6)
No Trend
(p−value=0.5 and CV=1.2)



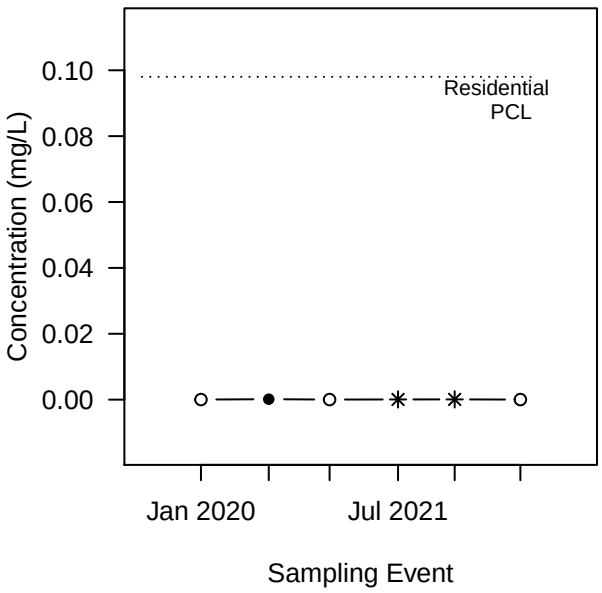
2,4−Dimethylphenol (Det/N = 1/6)
No Trend
(p−value=0.279 and CV=1)



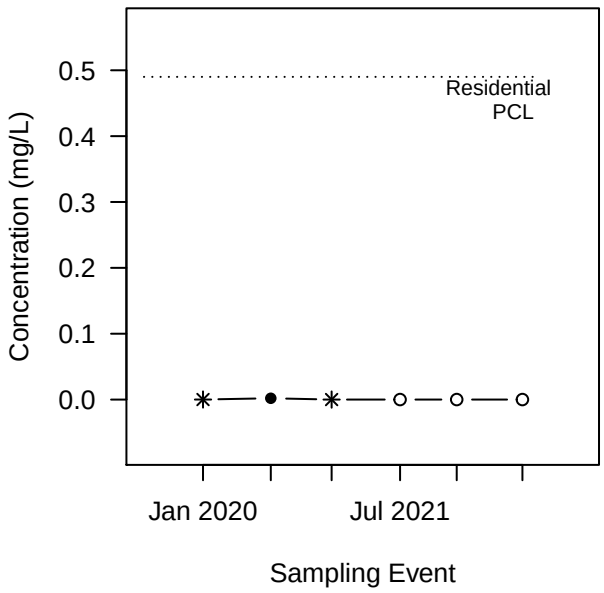
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 3/6)
No Trend
(p−value=0.5 and CV=0.81)



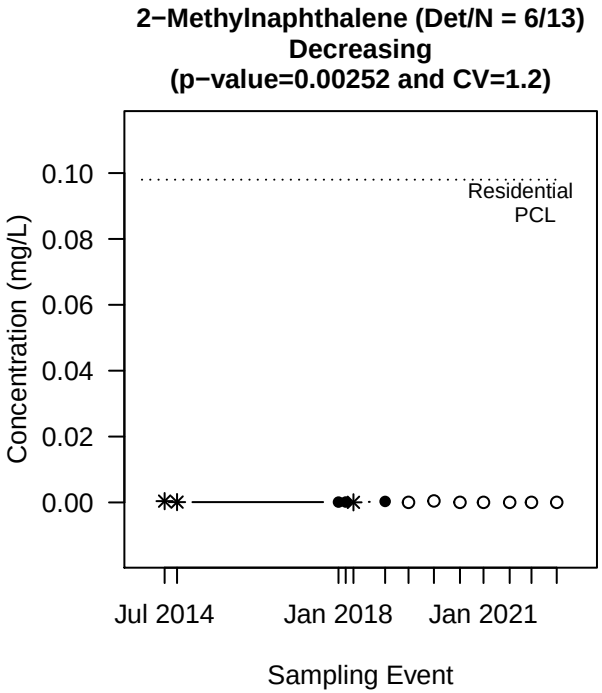
Naphthalene (Det/N = 3/6)
Decreasing
(p−value=0.035 and CV=2.2)

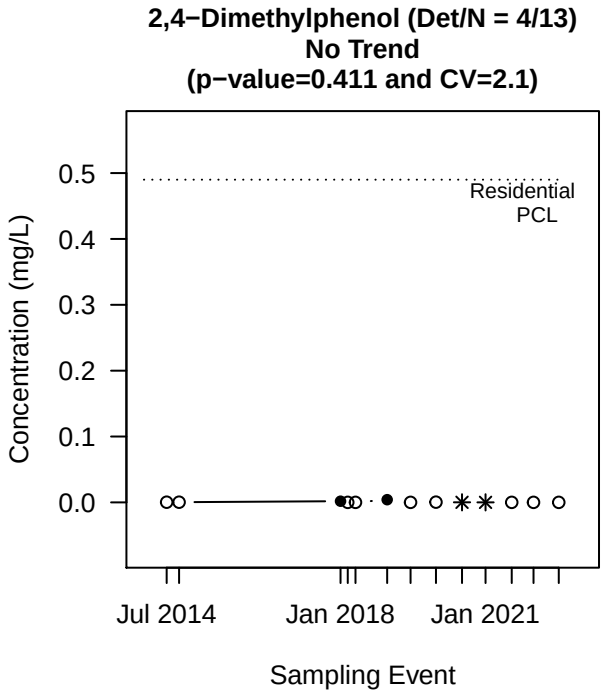


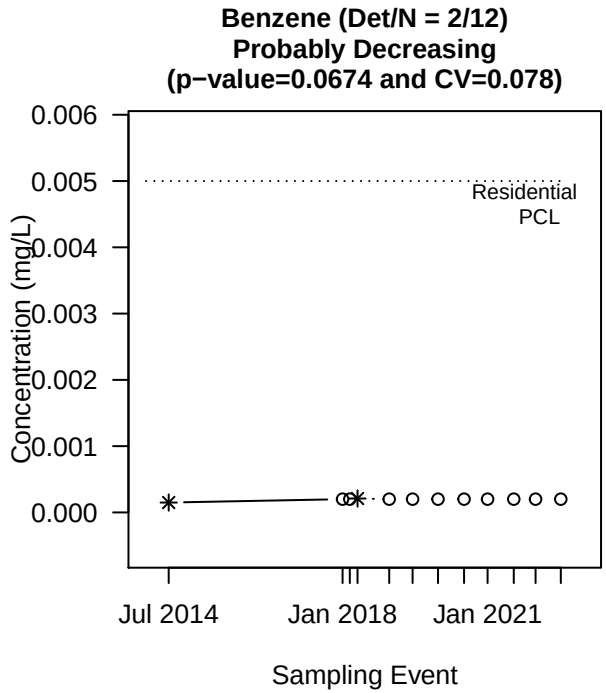
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

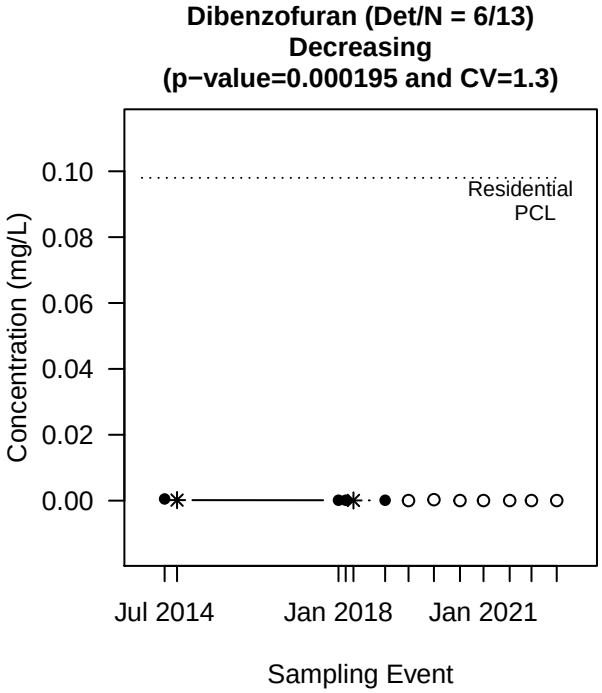
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

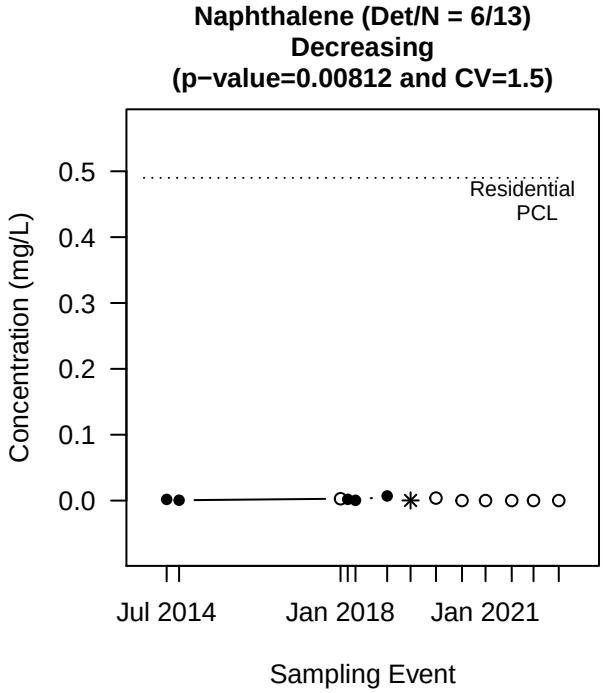
Mann−Kendall Trend Tests for MW−76C

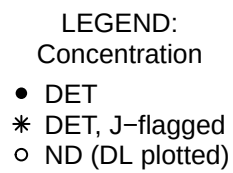








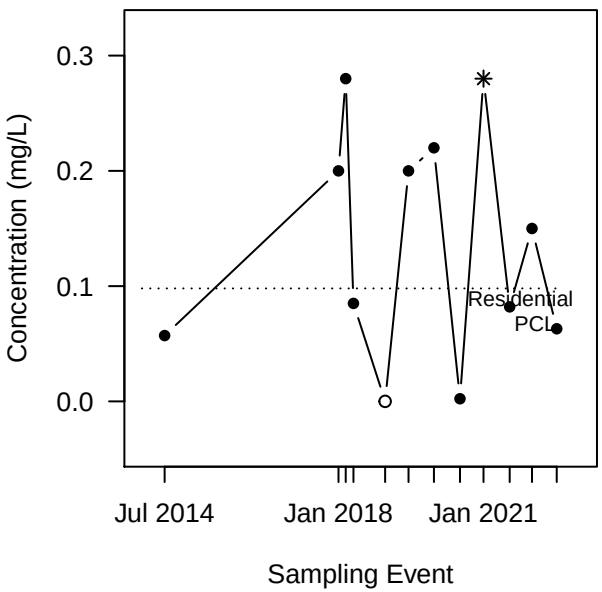




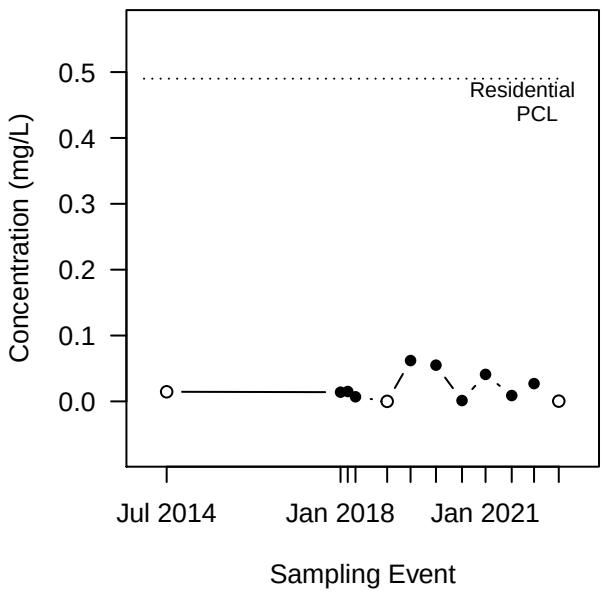
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−77A

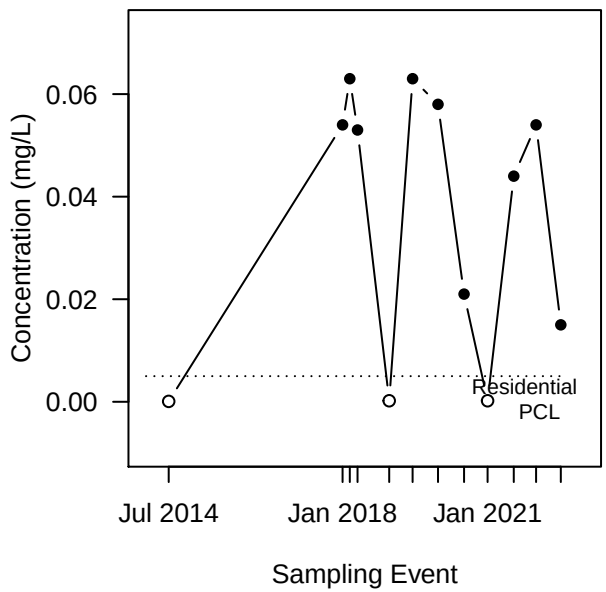
2−Methylnaphthalene (Det/N = 11/12)
Stable
(p−value=0.473 and CV=0.74)



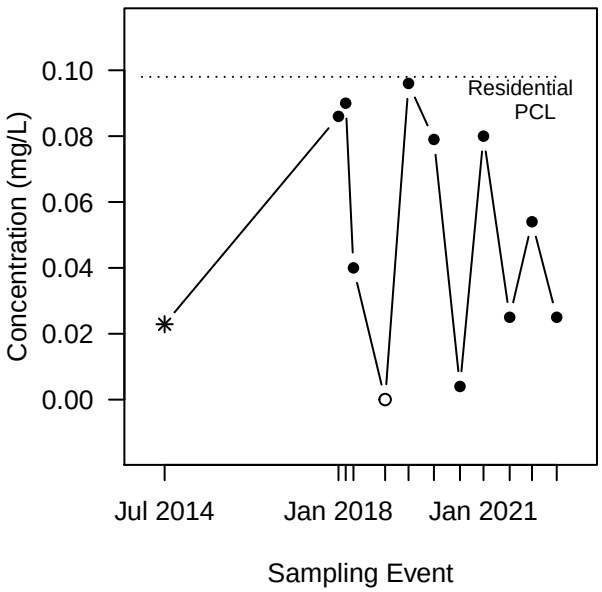
2,4−Dimethylphenol (Det/N = 9/12)
No Trend
(p−value=0.445 and CV=1)



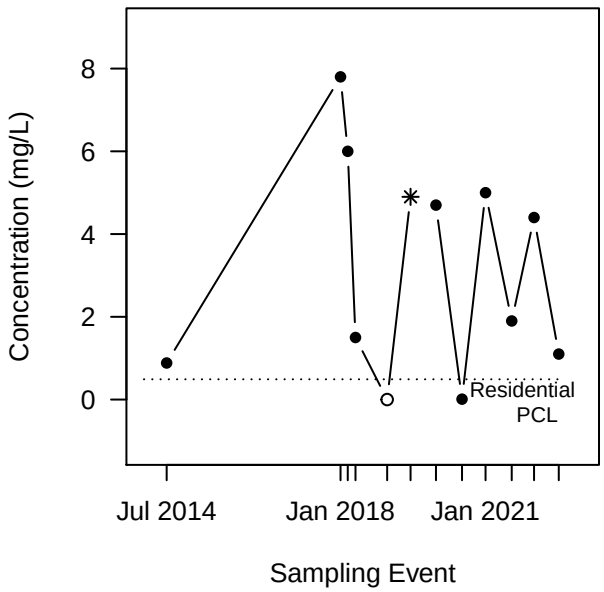
Benzene (Det/N = 9/12)
Stable
(p−value=0.338 and CV=0.73)



Dibenzofuran (Det/N = 11/12)
Stable
(p−value=0.34 and CV=0.7)



Naphthalene (Det/N = 11/12)
Stable
(p−value=0.269 and CV=0.81)

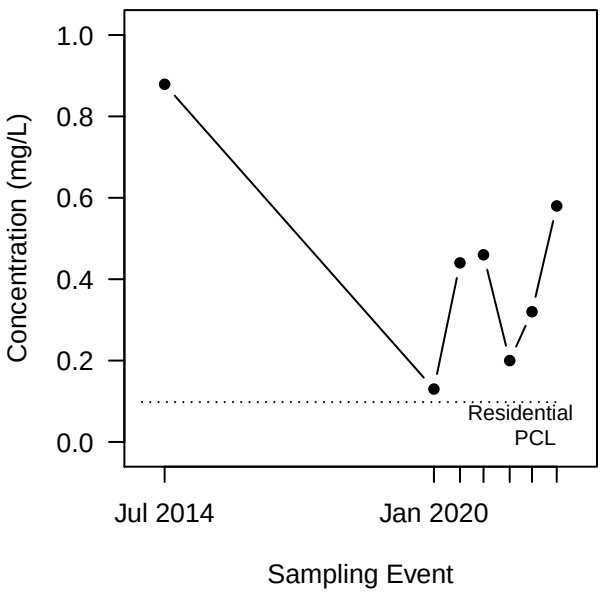


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

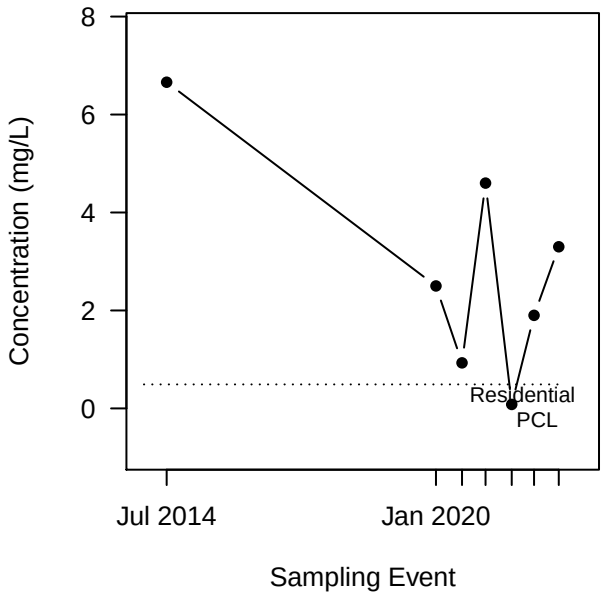
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−78A

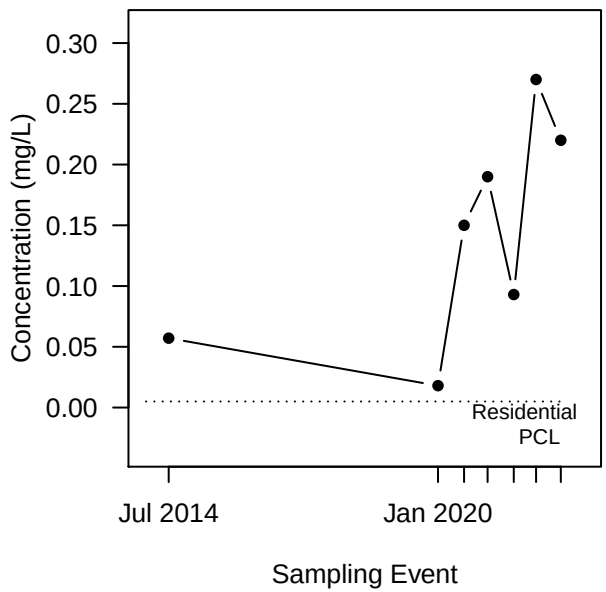
2−Methylnaphthalene (Det/N = 7/7)
No Trend
(p−value=0.5 and CV=0.59)



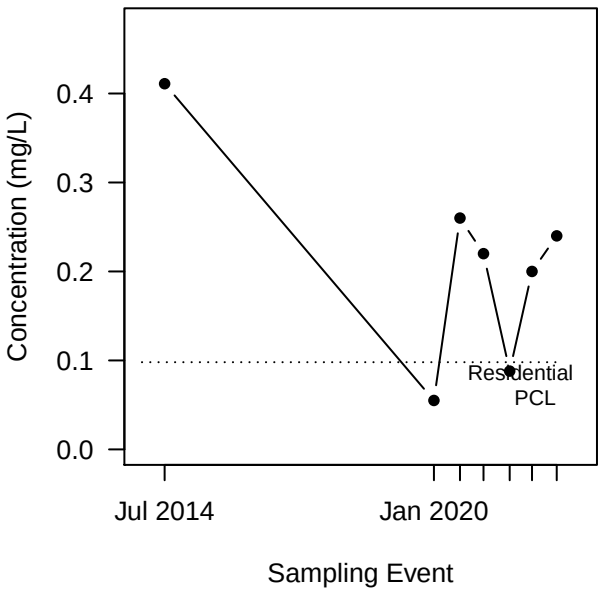
2,4−Dimethylphenol (Det/N = 7/7)
Stable
(p−value=0.274 and CV=0.79)



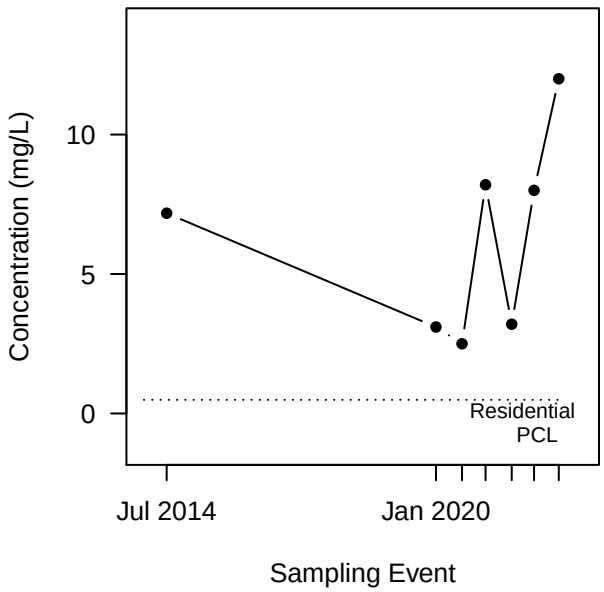
Benzene (Det/N = 7/7)
Increasing
(p−value=0.0358 and CV=0.64)



Dibenzofuran (Det/N = 7/7)
Stable
(p−value=0.382 and CV=0.56)



Naphthalene (Det/N = 7/7)
No Trend
(p−value=0.115 and CV=0.56)

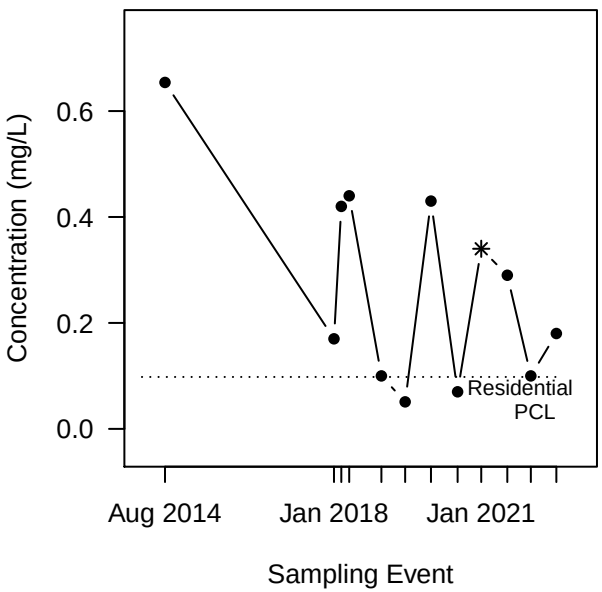


LEGEND:
Concentration
- DET
- ND (DL plotted)

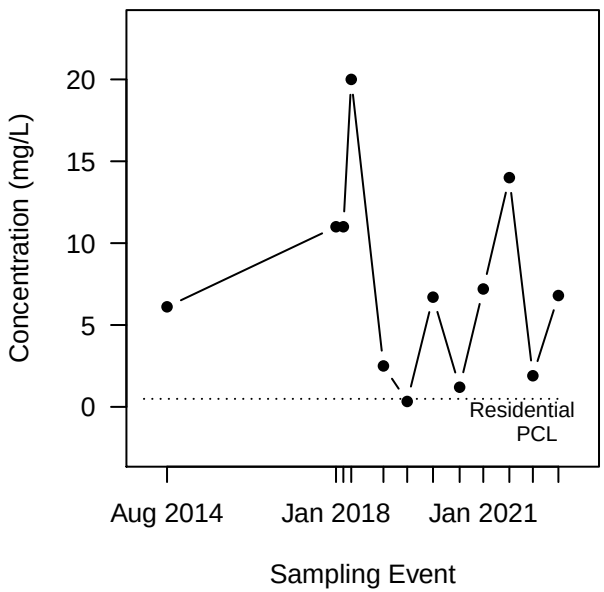
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−79A

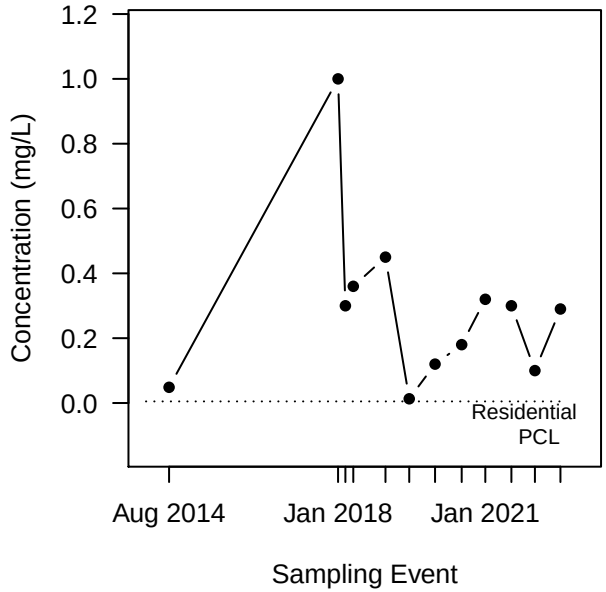
2−Methylnaphthalene (Det/N = 12/12)
Stable
(p−value=0.108 and CV=0.7)



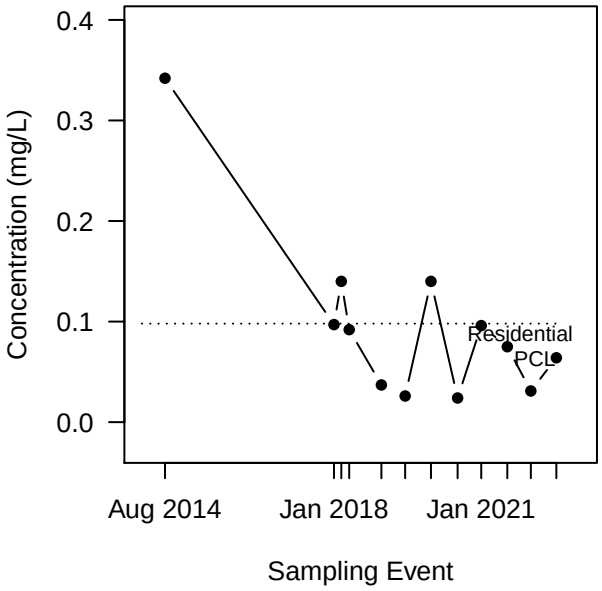
2,4−Dimethylphenol (Det/N = 12/12)
Stable
(p−value=0.392 and CV=0.79)



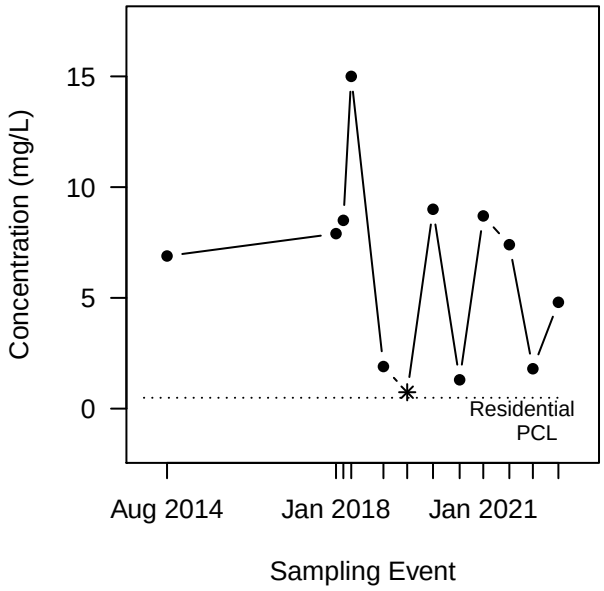
Benzene (Det/N = 12/12)
Stable
(p−value=0.291 and CV=0.9)



Dibenzofuran (Det/N = 12/12)
Decreasing
(p−value=0.0271 and CV=0.9)



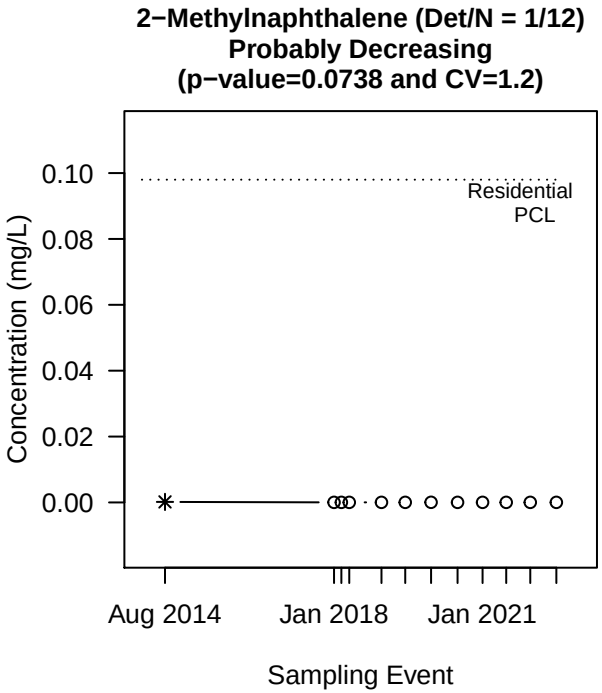
Naphthalene (Det/N = 12/12)
Stable
(p−value=0.269 and CV=0.68)

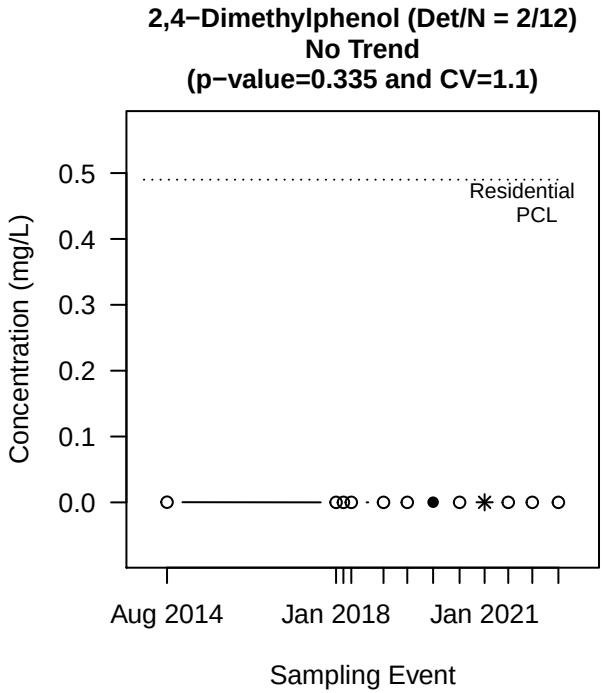


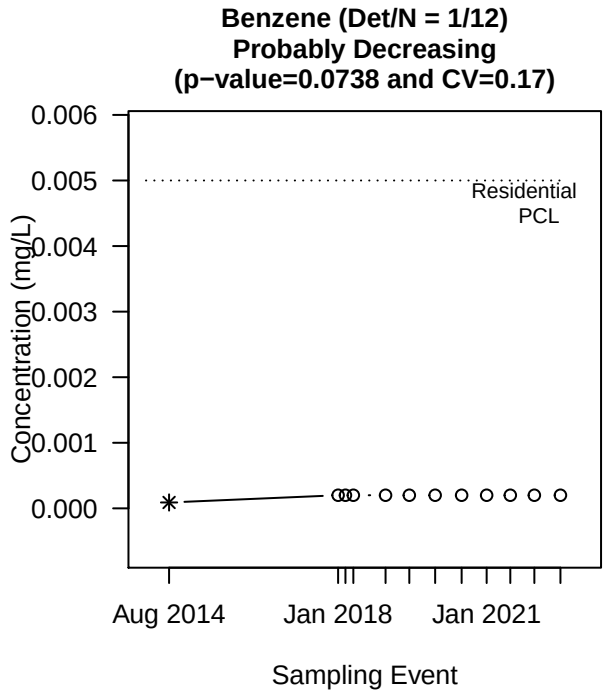
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

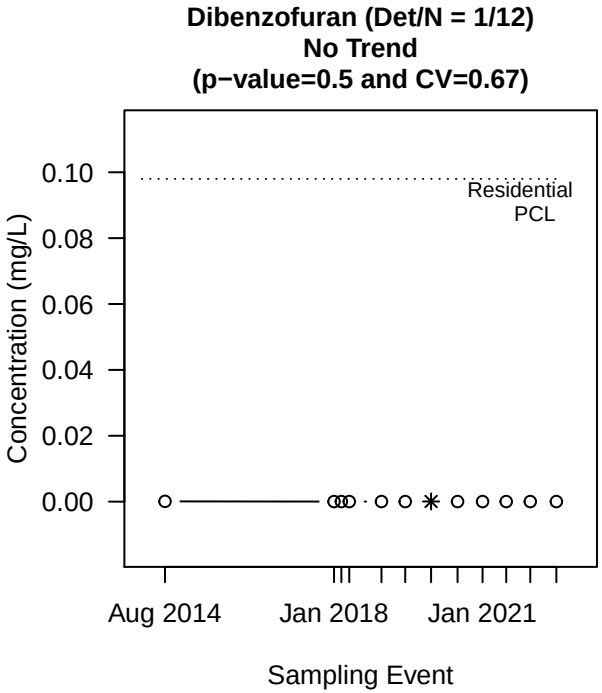
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

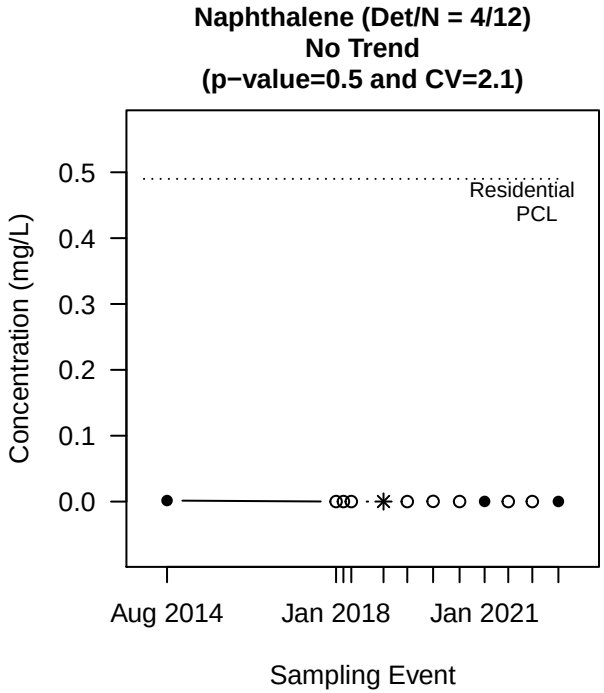
Mann−Kendall Trend Tests for MW−80B

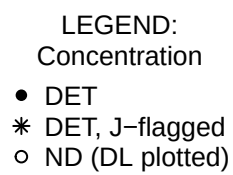








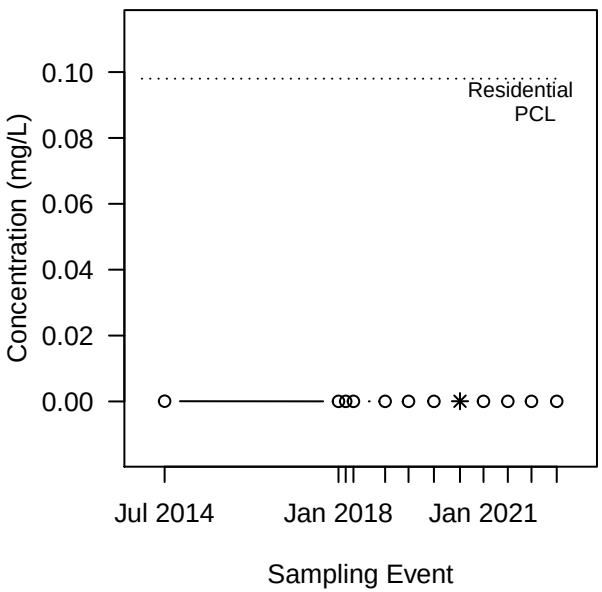




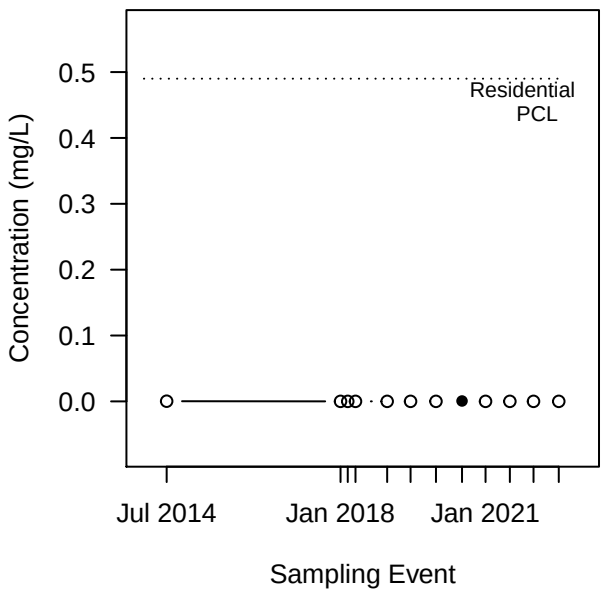
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−81B

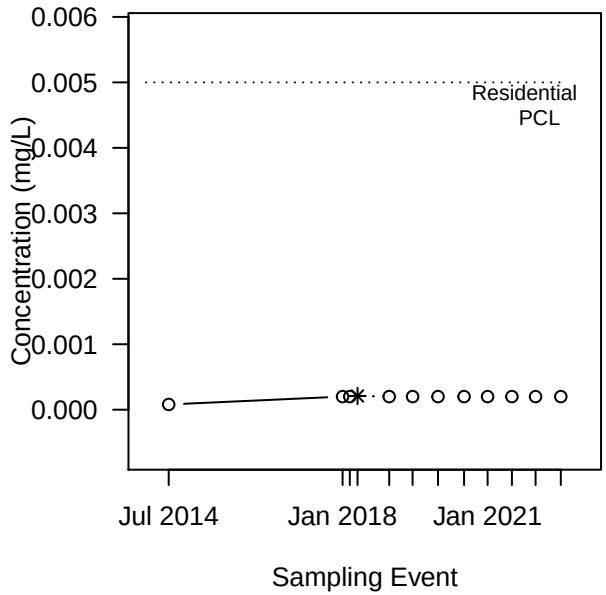
2−Methylnaphthalene (Det/N = 1/12)
No Trend
(p−value=0.386 and CV=0.69)



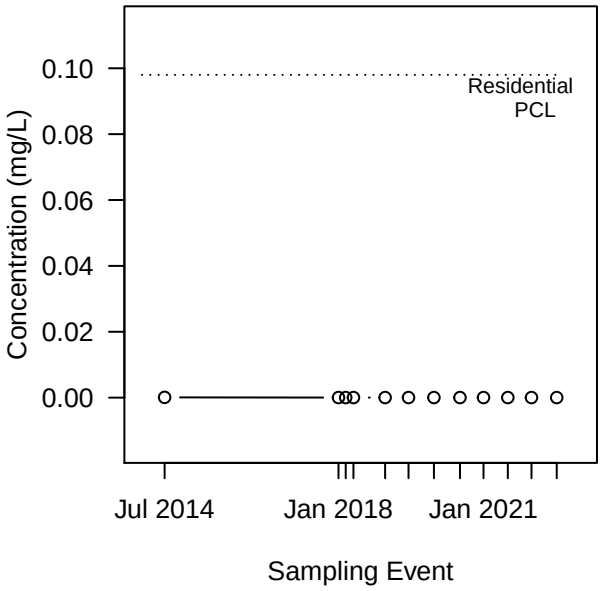
2,4−Dimethylphenol (Det/N = 1/12)
No Trend
(p−value=0.386 and CV=1.6)



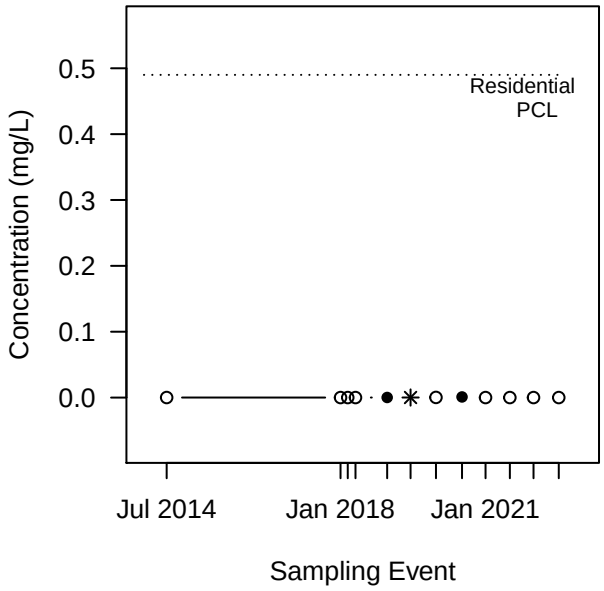
Benzene (Det/N = 1/12)
Stable
(p−value=0.281 and CV=0.18)



Dibenzofuran (Det/N = 0/12)
Not evaluated − All NDs



Naphthalene (Det/N = 3/12)
No Trend
(p−value=0.5 and CV=1.9)

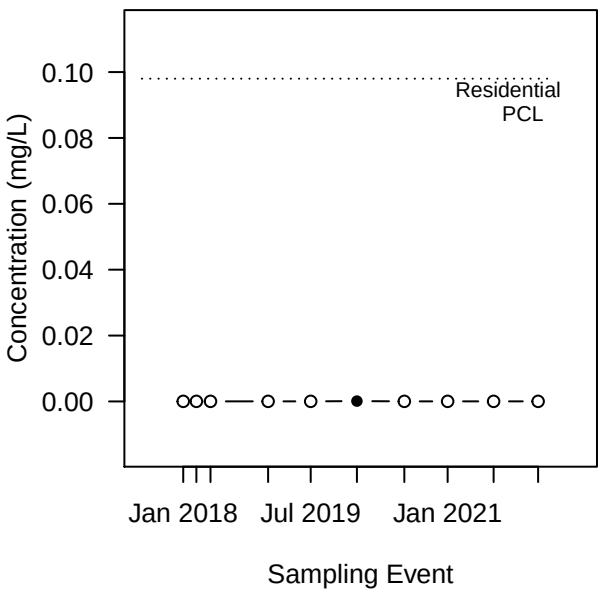


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

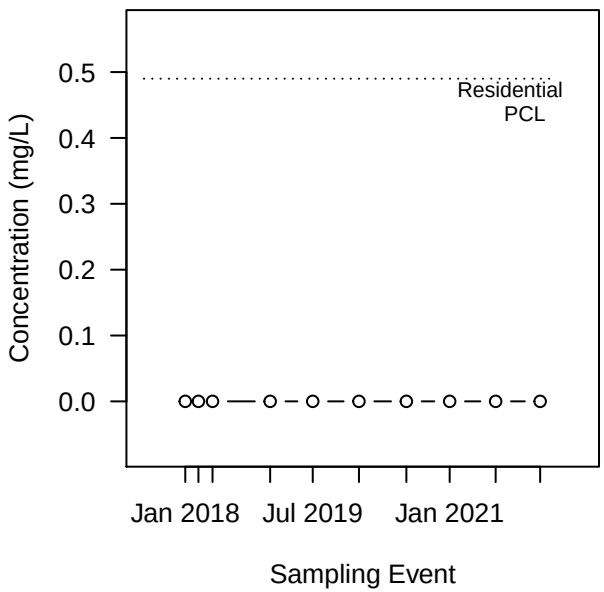
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−82B

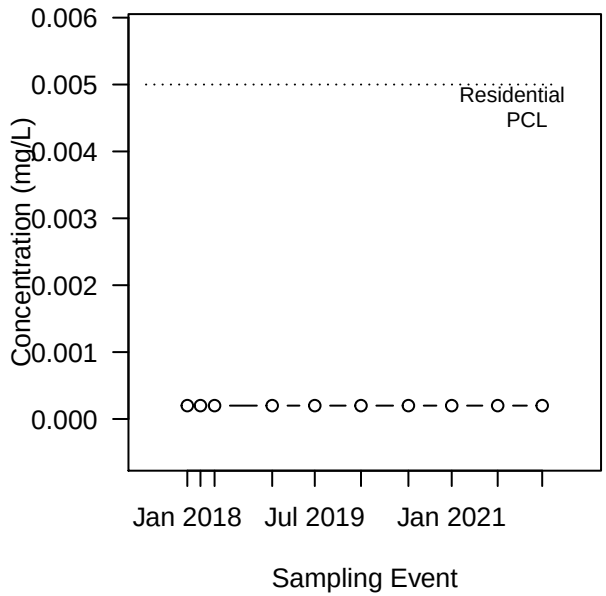
2−Methylnaphthalene (Det/N = 1/10)
No Trend
(p−value=0.5 and CV=0.95)



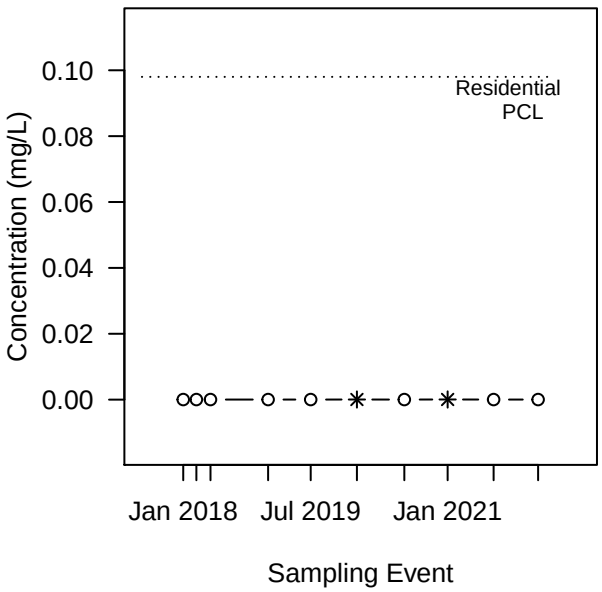
2,4−Dimethylphenol (Det/N = 0/10)
Not evaluated (all concentrations are identical)



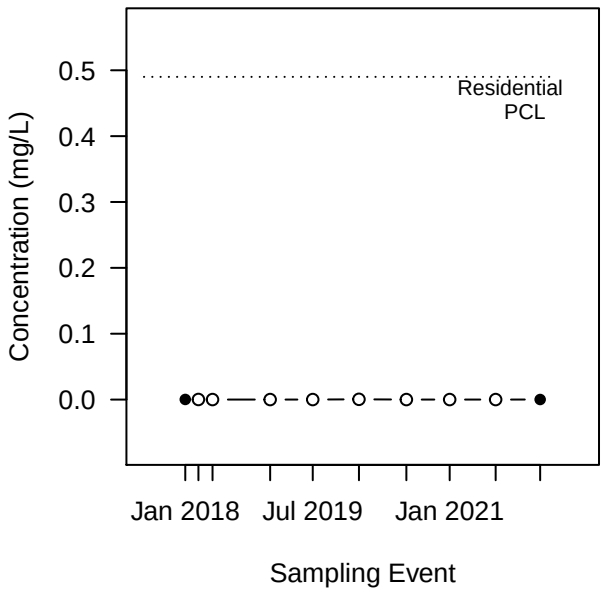
Benzene (Det/N = 0/10)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 2/10)
No Trend
(p−value=0.219 and CV=0.39)



Naphthalene (Det/N = 2/10)
No Trend
(p−value=0.5 and CV=1.3)

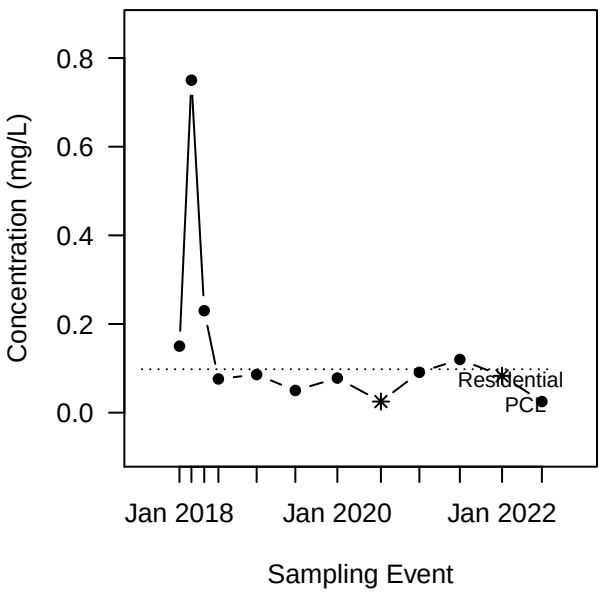


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

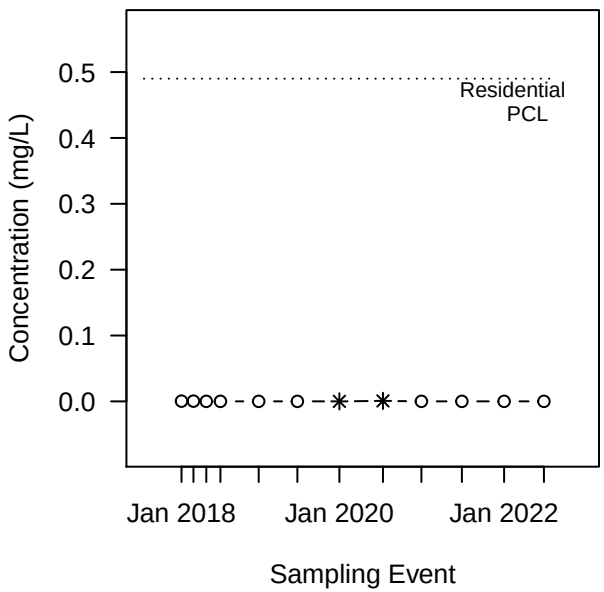
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−83B

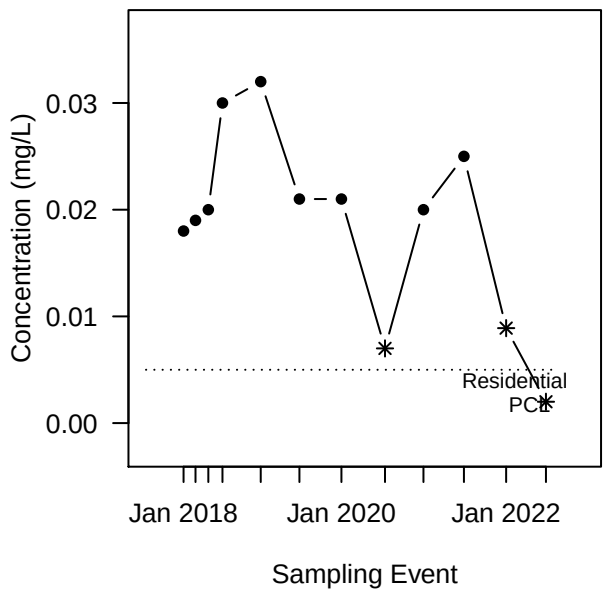
2−Methylnaphthalene (Det/N = 12/12)
Decreasing
(p−value=0.0495 and CV=1.3)



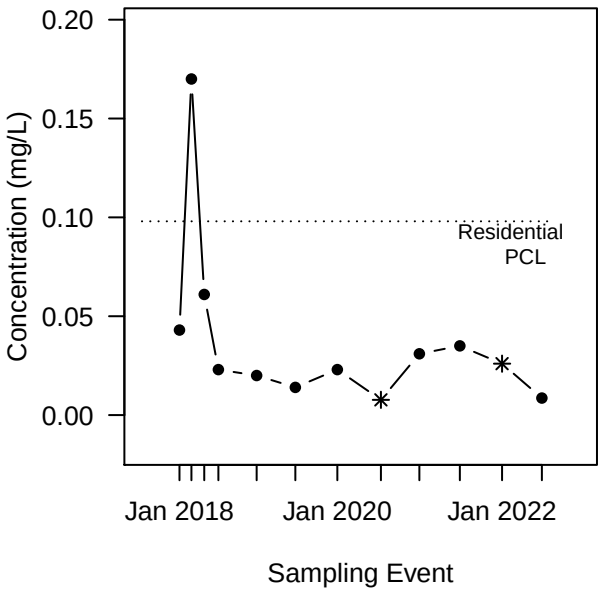
2,4−Dimethylphenol (Det/N = 2/12)
No Trend
(p−value=0.335 and CV=1.4)



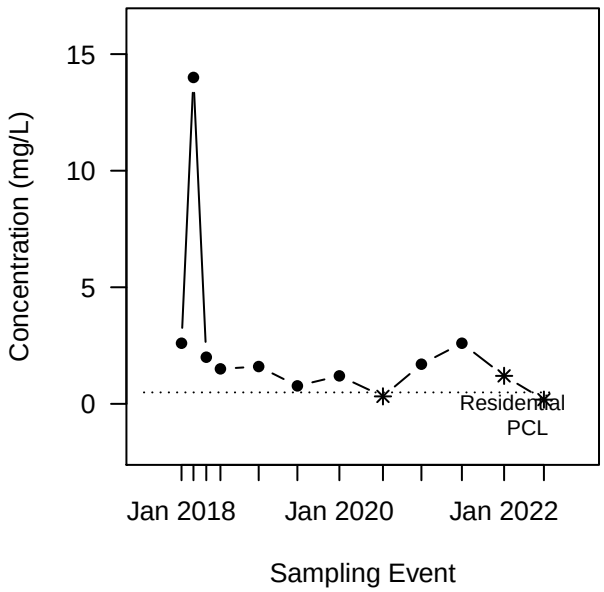
Benzene (Det/N = 12/12)
Stable
(p−value=0.268 and CV=0.48)



Dibenzofuran (Det/N = 12/12)
Probably Decreasing
(p−value=0.0652 and CV=1.1)



Naphthalene (Det/N = 12/12)
Decreasing
(p−value=0.0229 and CV=1.5)

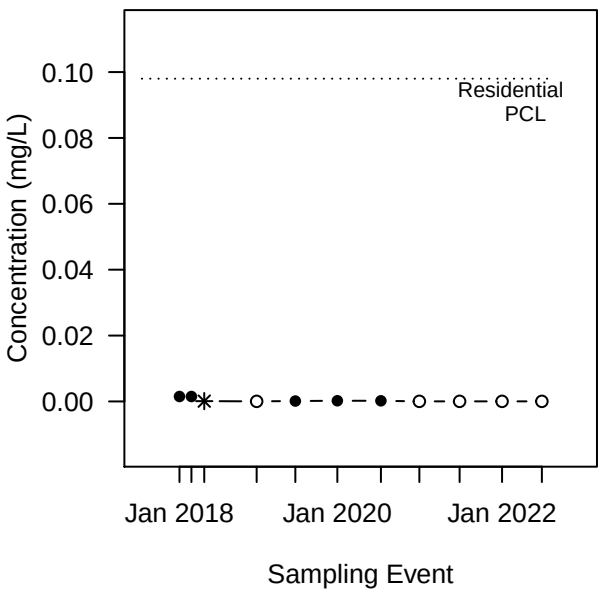


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

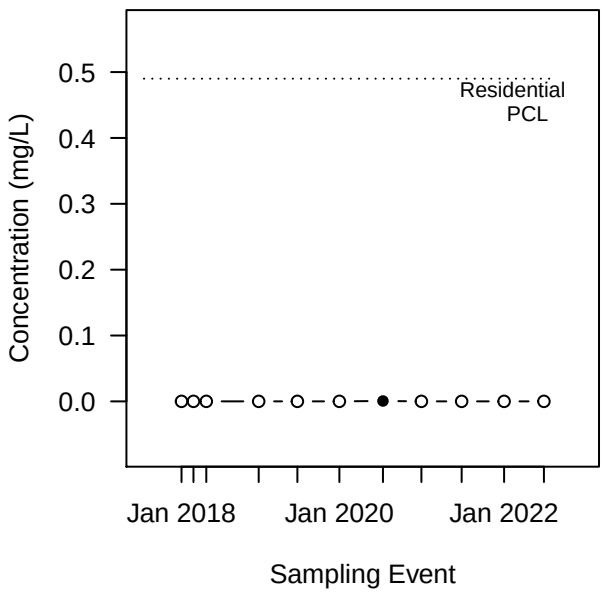
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−83C

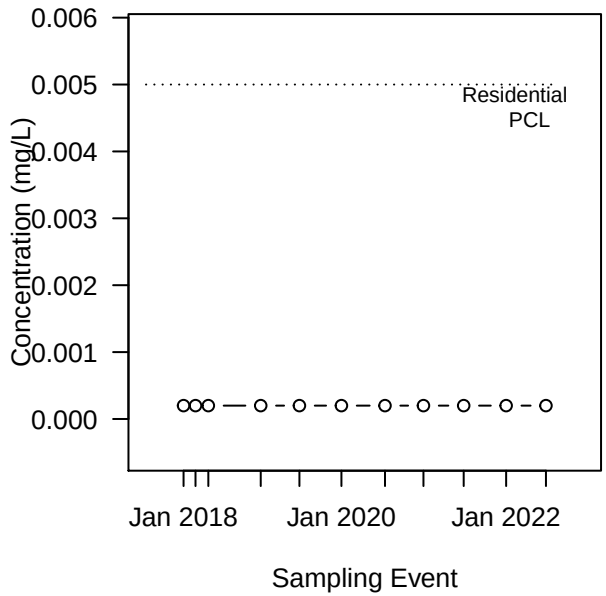
2−Methylnaphthalene (Det/N = 6/11)
Decreasing
(p−value=0.0131 and CV=1.7)



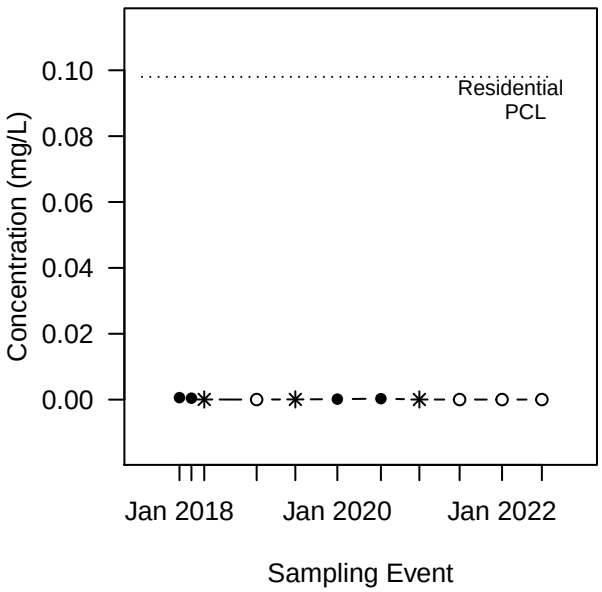
2,4−Dimethylphenol (Det/N = 1/11)
No Trend
(p−value=0.437 and CV=1.9)



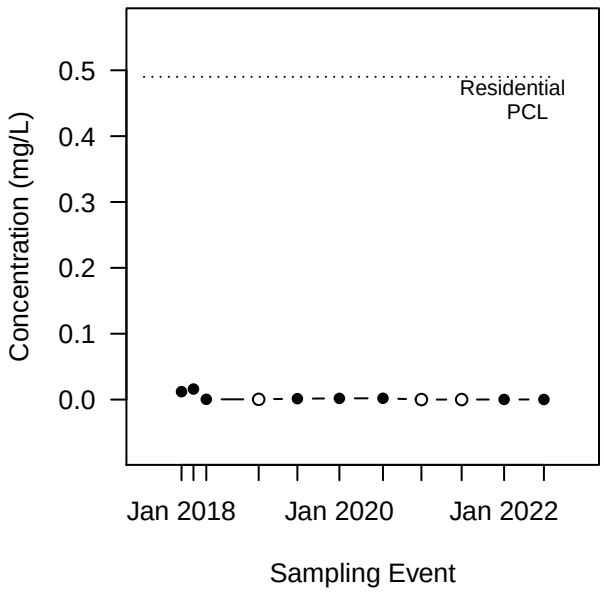
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 7/11)
Decreasing
(p−value=0.0126 and CV=1.3)



Naphthalene (Det/N = 8/11)
Probably Decreasing
(p−value=0.0673 and CV=1.8)

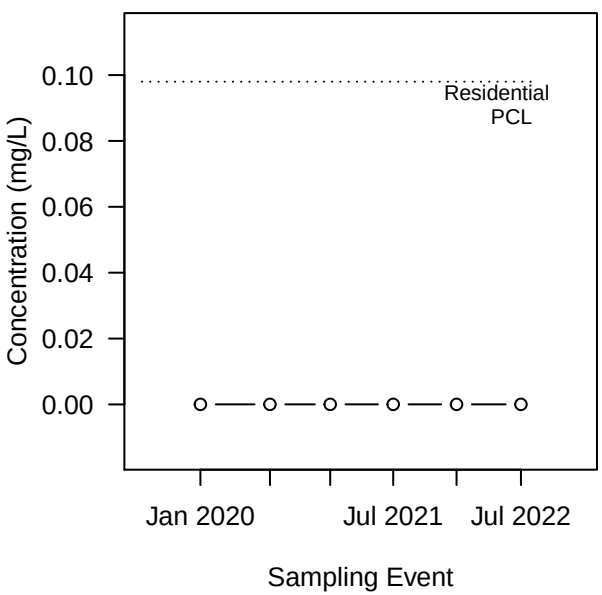


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

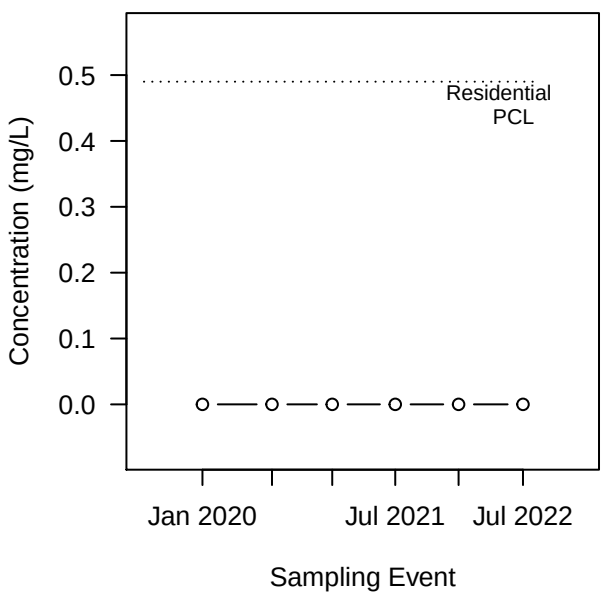
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−84A

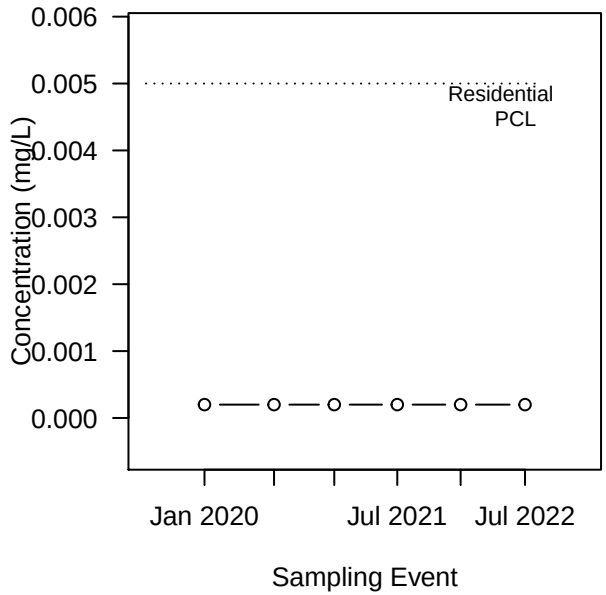
2−Methylnaphthalene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



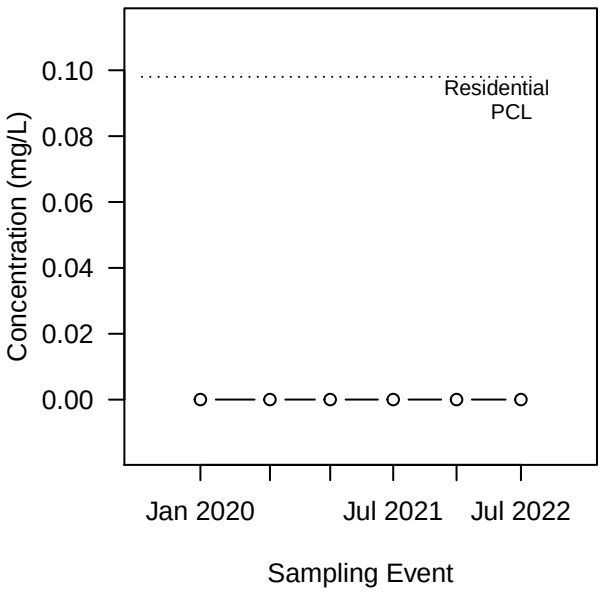
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated − All NDs



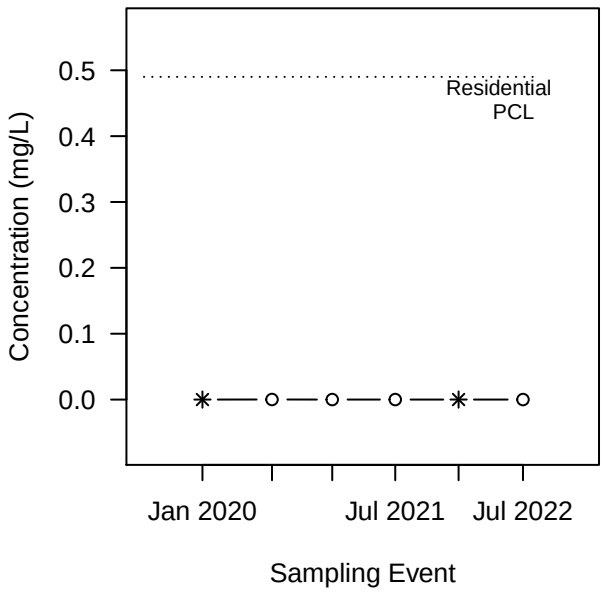
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Naphthalene (Det/N = 2/6)
No Trend
(p−value=0.5 and CV=0.97)

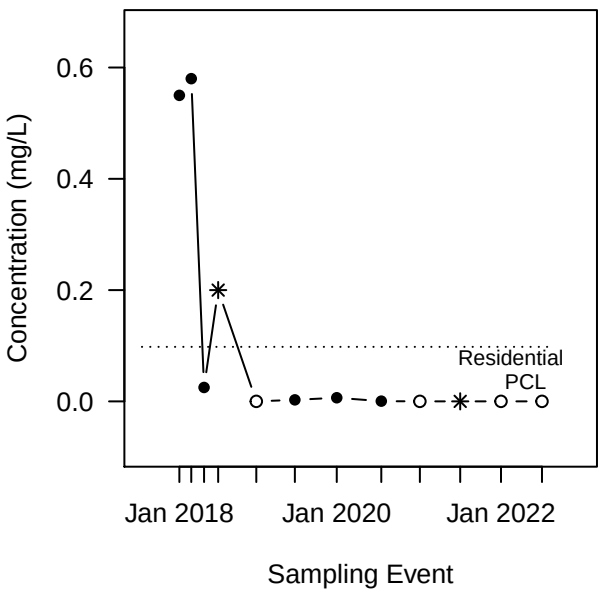


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

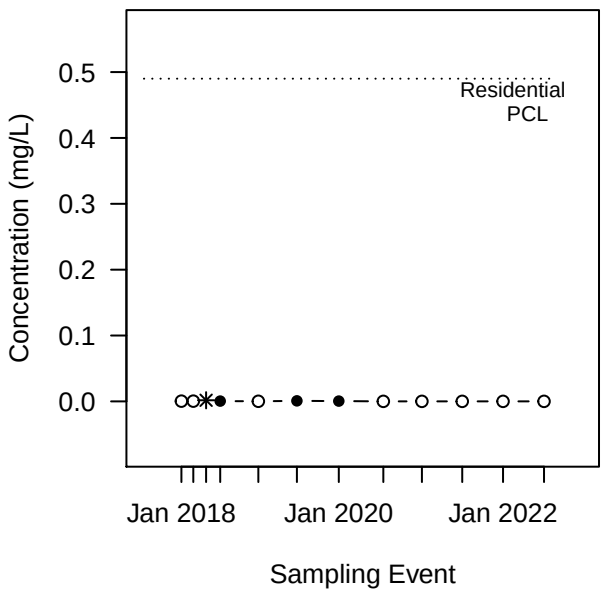
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−84B

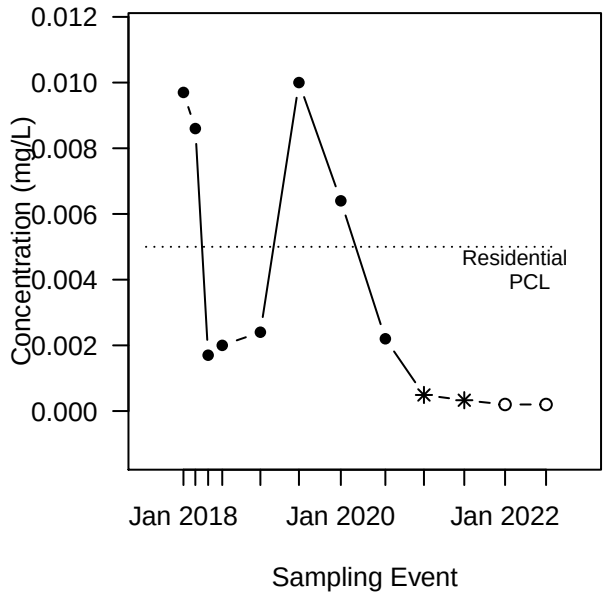
2−Methylnaphthalene (Det/N = 8/12)
Decreasing
(p−value=0.0013 and CV=1.9)



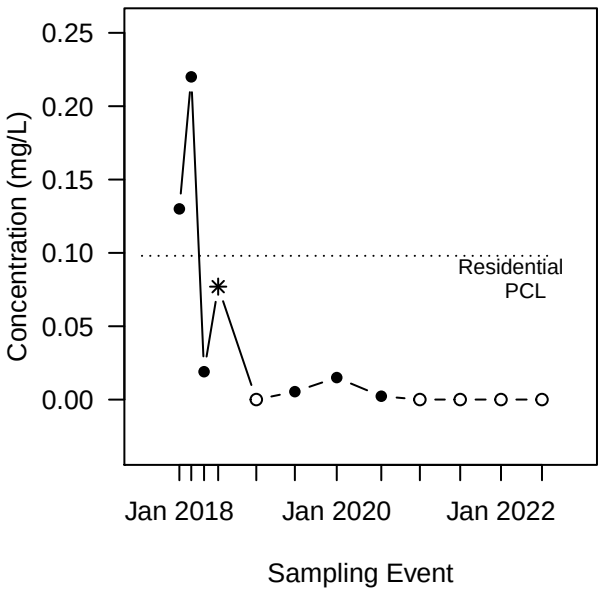
2,4−Dimethylphenol (Det/N = 4/12)
No Trend
(p−value=0.124 and CV=1.3)



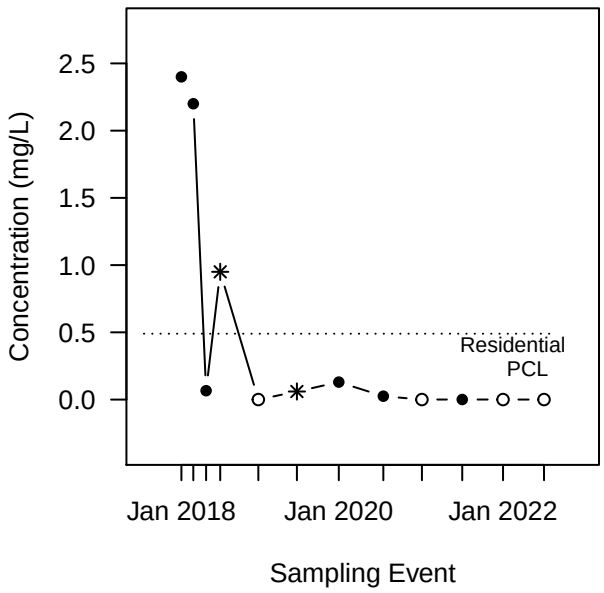
Benzene (Det/N = 10/12)
Decreasing
(p−value=0.0045 and CV=1)



Dibenzofuran (Det/N = 7/12)
Decreasing
(p−value=0.00107 and CV=1.8)



Naphthalene (Det/N = 8/12)
Decreasing
(p−value=0.0013 and CV=1.8)

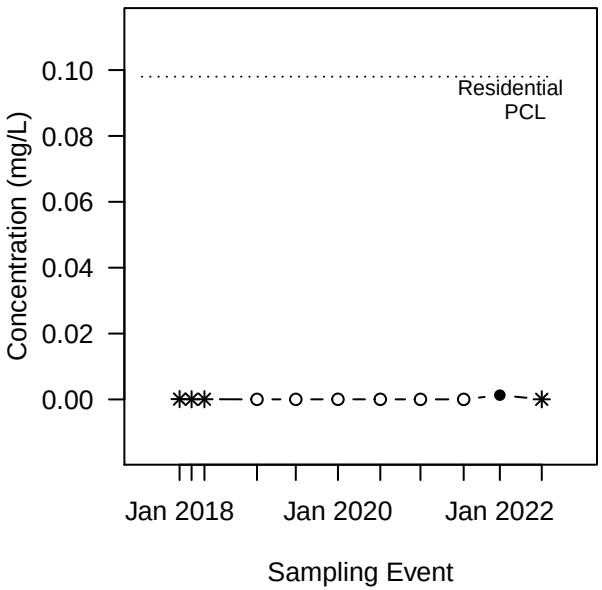


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

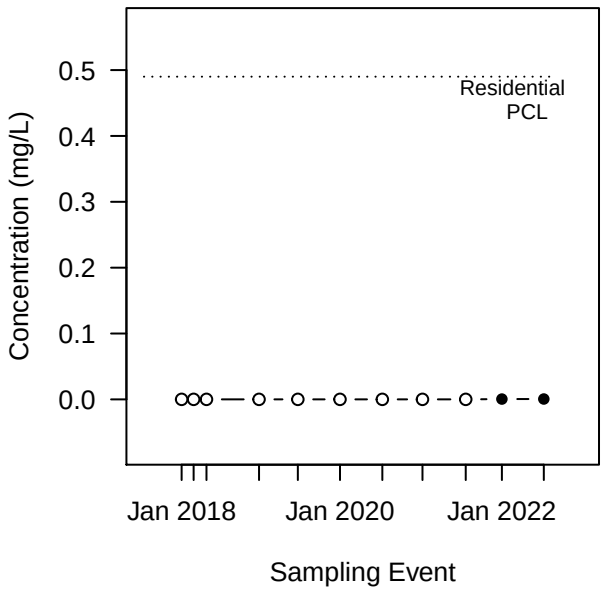
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−85C

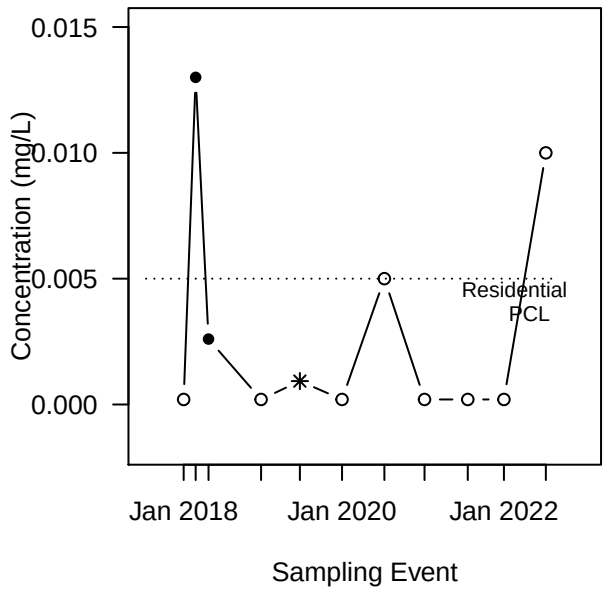
2−Methylnaphthalene (Det/N = 5/11)
No Trend
(p−value=0.275 and CV=2.5)



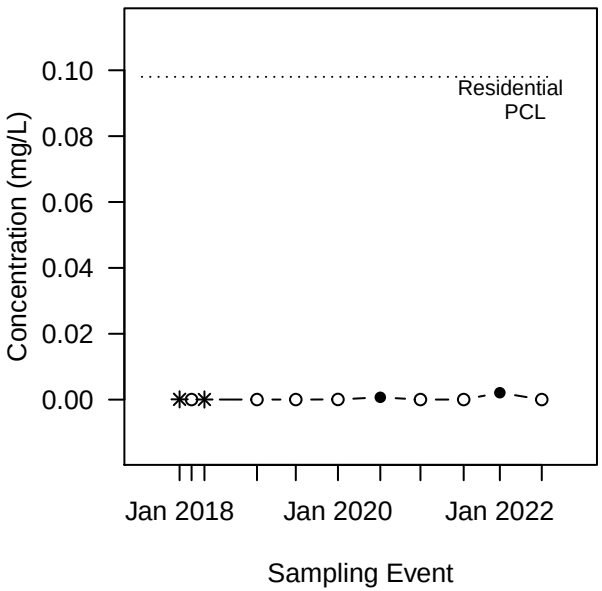
2,4−Dimethylphenol (Det/N = 2/11)
Increasing
(p−value=0.0176 and CV=1.6)



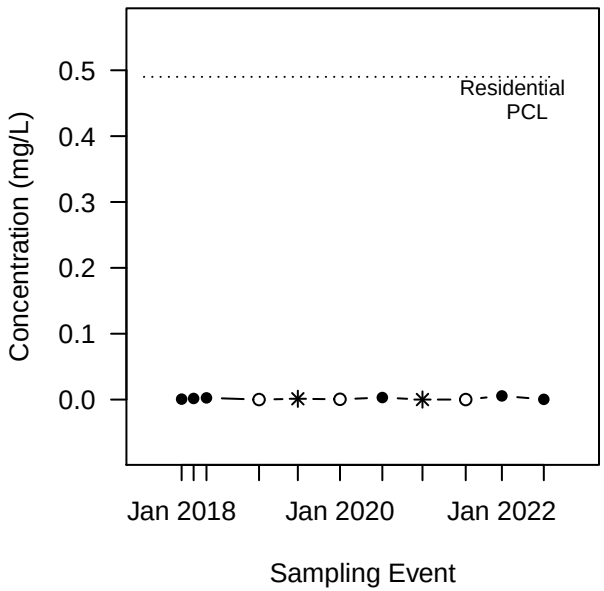
Benzene (Det/N = 3/11)
Decreasing
(p−value=0.0357 and CV=1.5)



Dibenzofuran (Det/N = 4/11)
No Trend
(p−value=0.464 and CV=2.3)



Naphthalene (Det/N = 8/11)
No Trend
(p−value=0.5 and CV=1.2)

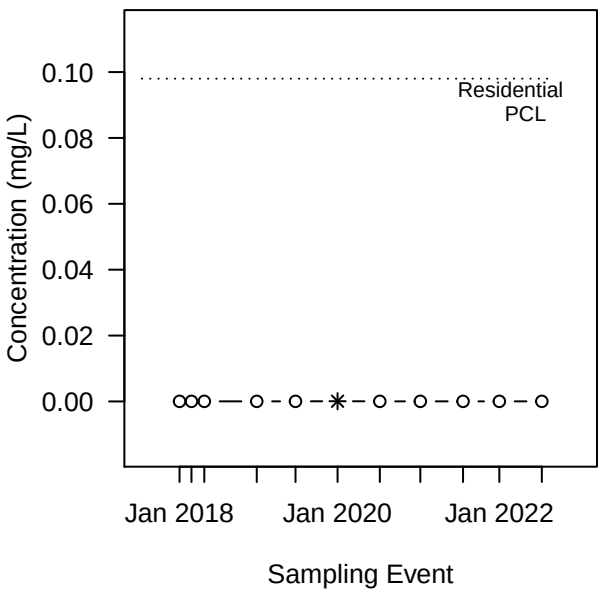


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

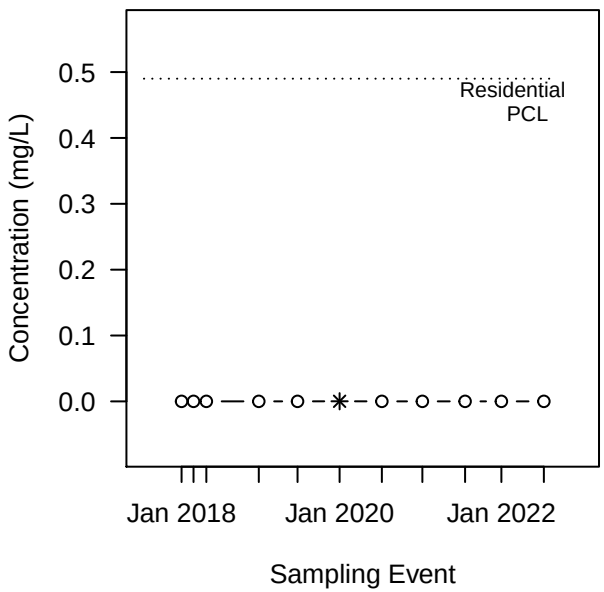
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−86C

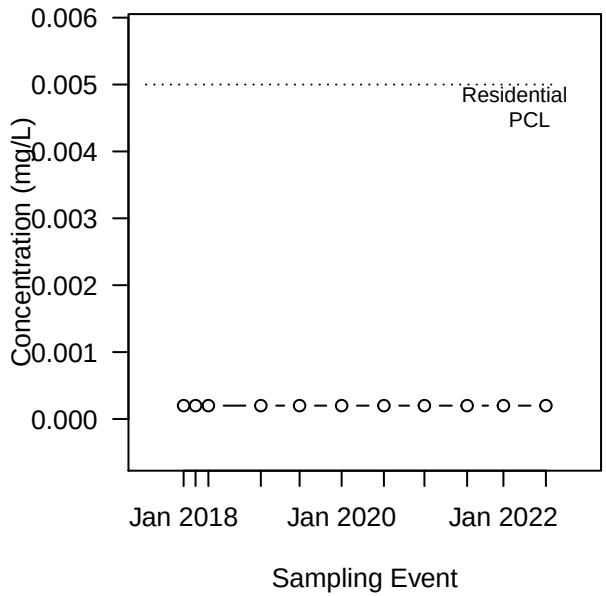
2−Methylnaphthalene (Det/N = 1/11)
No Trend
(p−value=0.5 and CV=0.61)



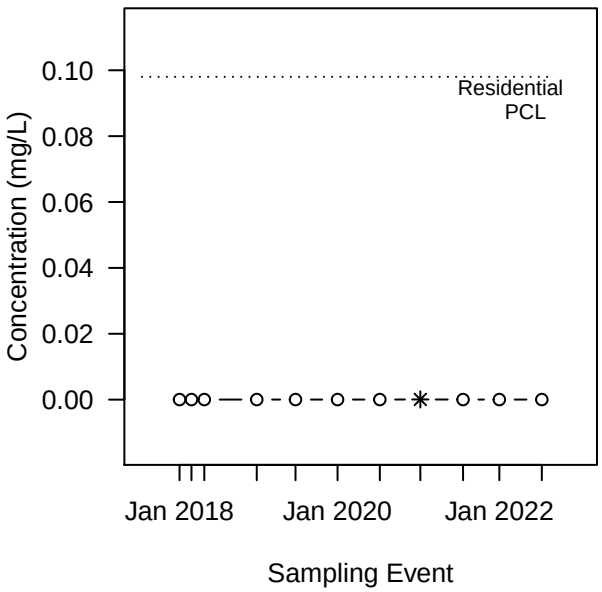
2,4−Dimethylphenol (Det/N = 1/11)
No Trend
(p−value=0.5 and CV=0.8)



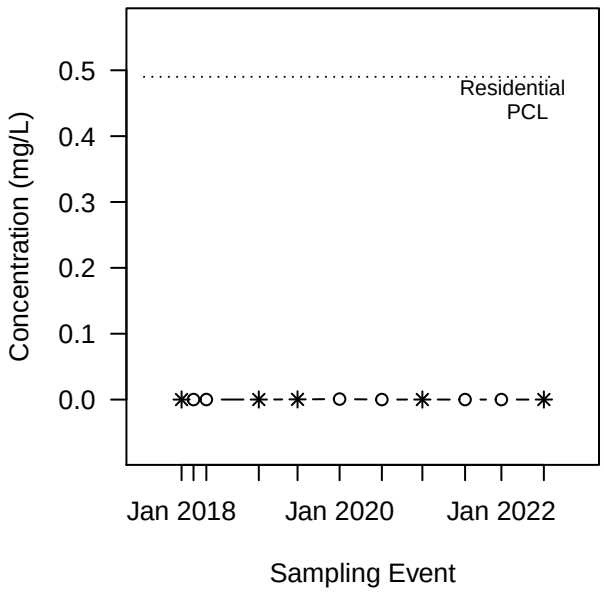
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/11)
No Trend
(p−value=0.318 and CV=0.5)



Naphthalene (Det/N = 5/11)
No Trend
(p−value=0.5 and CV=1.6)

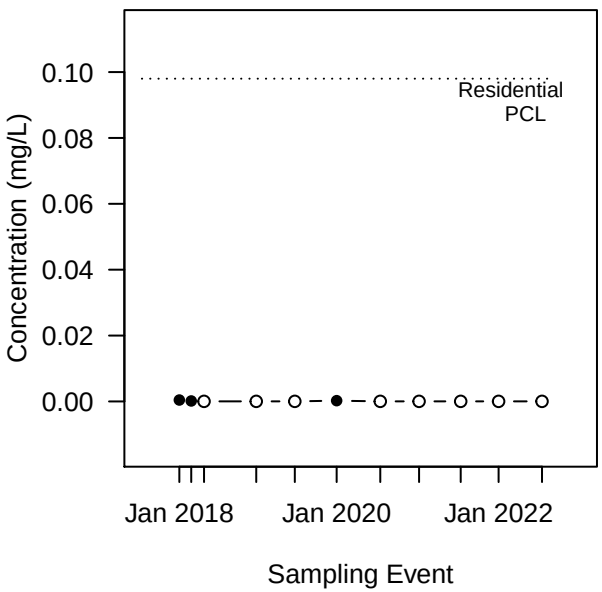


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

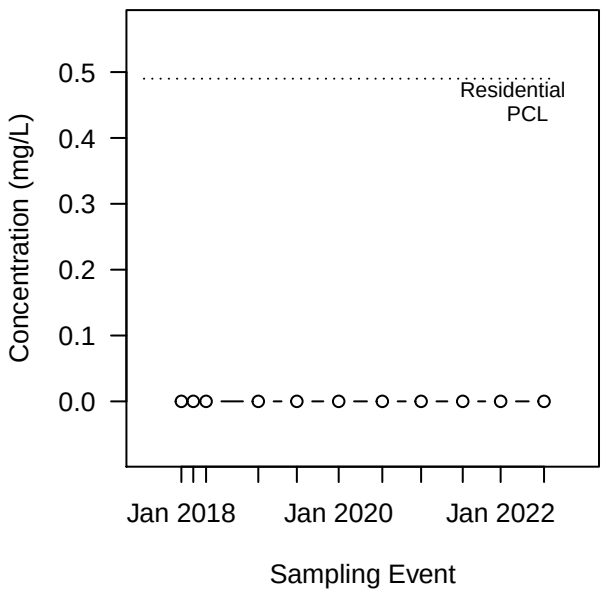
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−87C

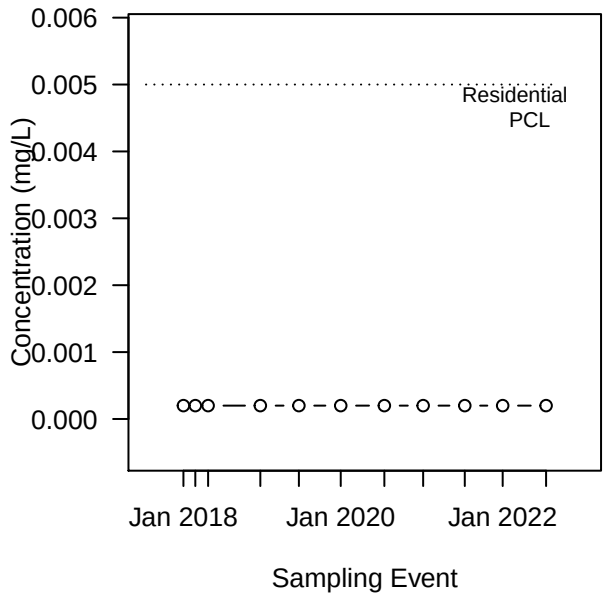
2−Methylnaphthalene (Det/N = 3/11)
Decreasing
(p−value=0.0357 and CV=1.5)



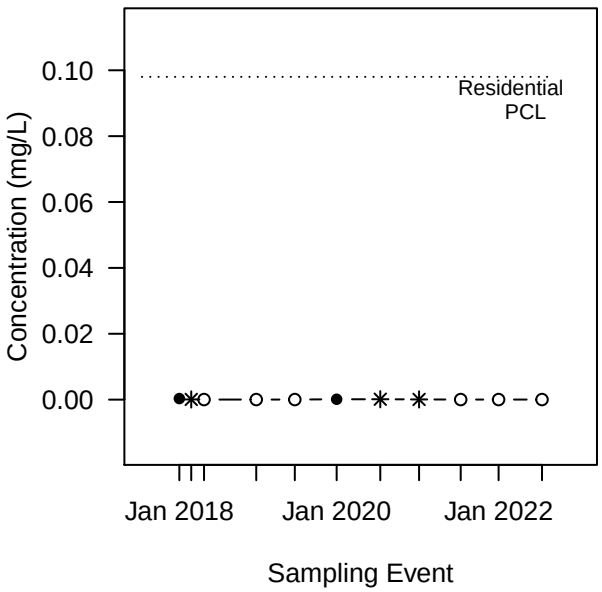
2,4−Dimethylphenol (Det/N = 0/11)
Not evaluated (all concentrations are identical)



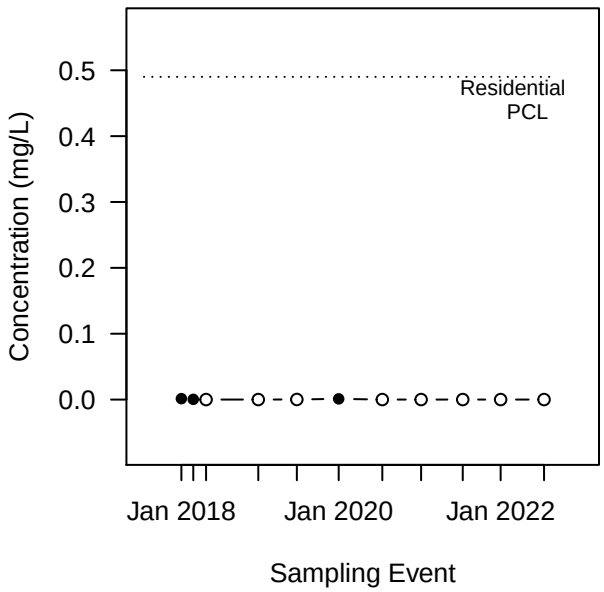
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 5/11)
No Trend
(p−value=0.115 and CV=1.2)



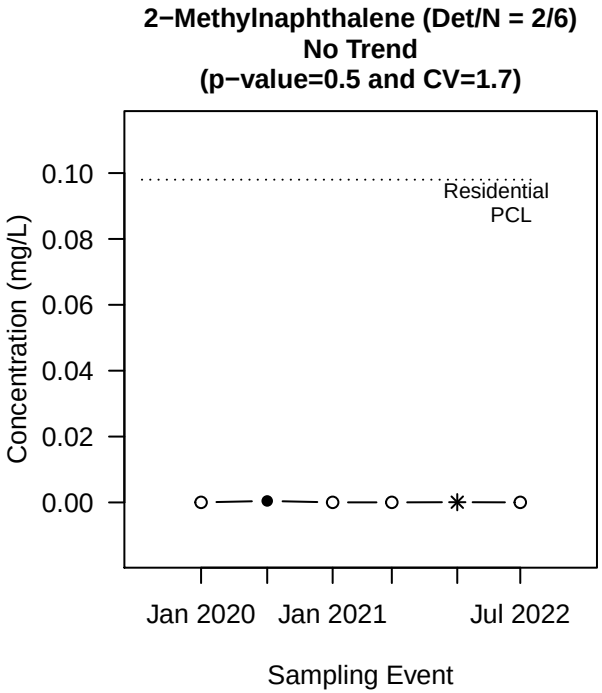
Naphthalene (Det/N = 3/11)
Decreasing
(p−value=0.0357 and CV=1.7)

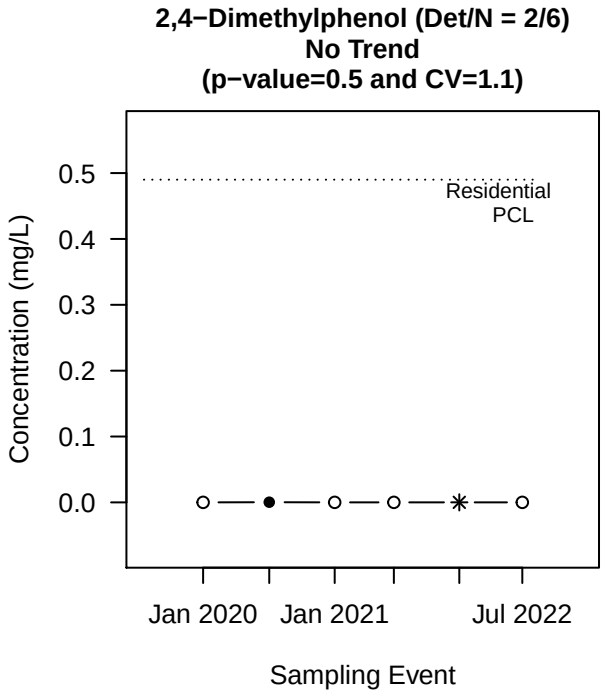


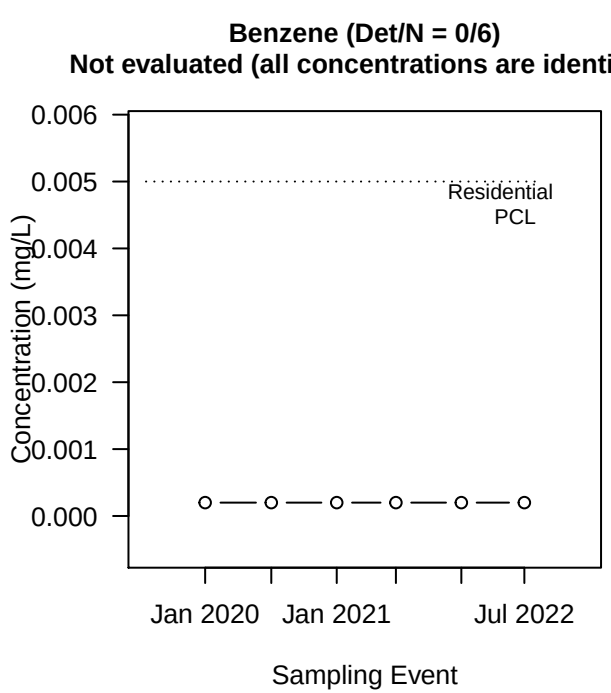
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

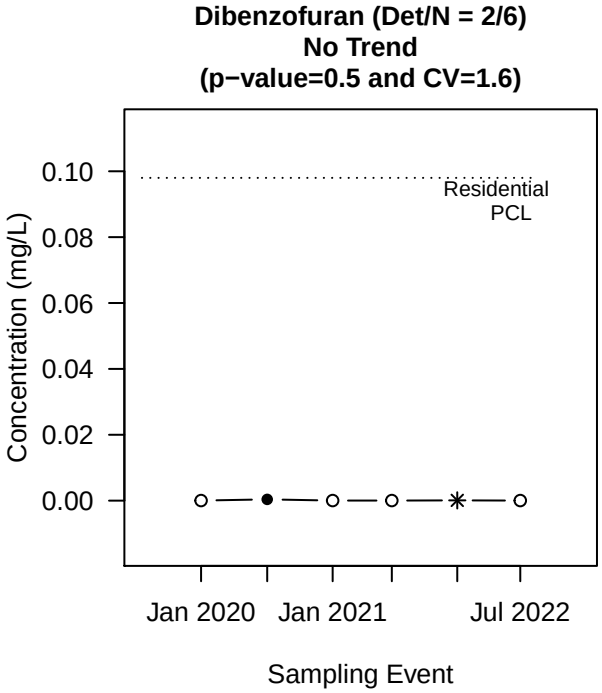
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

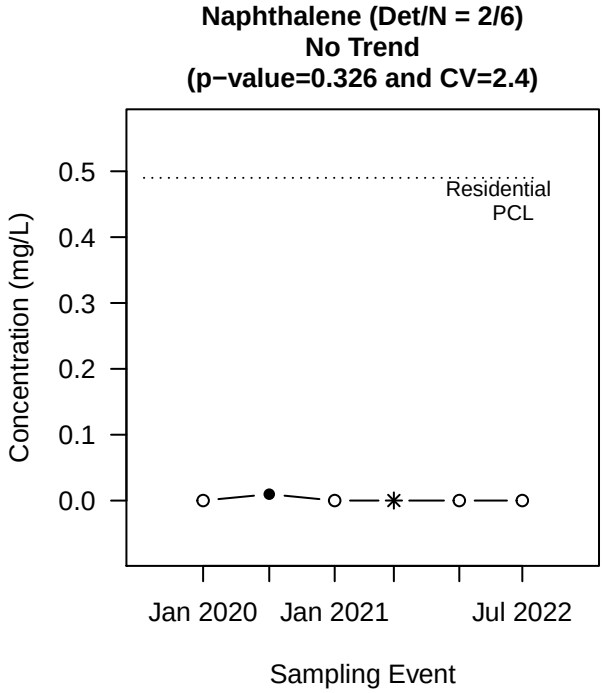
Mann−Kendall Trend Tests for MW−88A

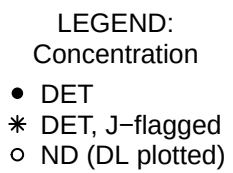








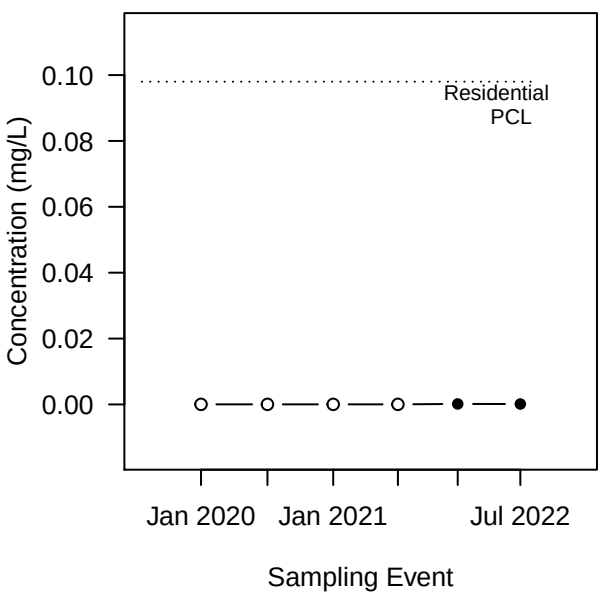




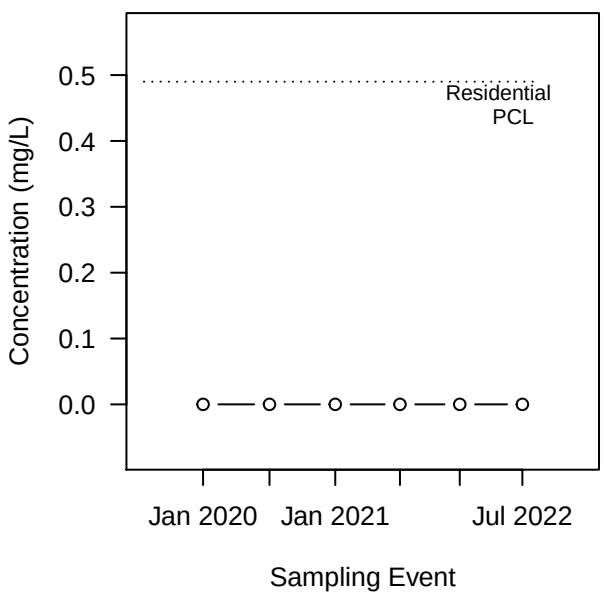
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−88B

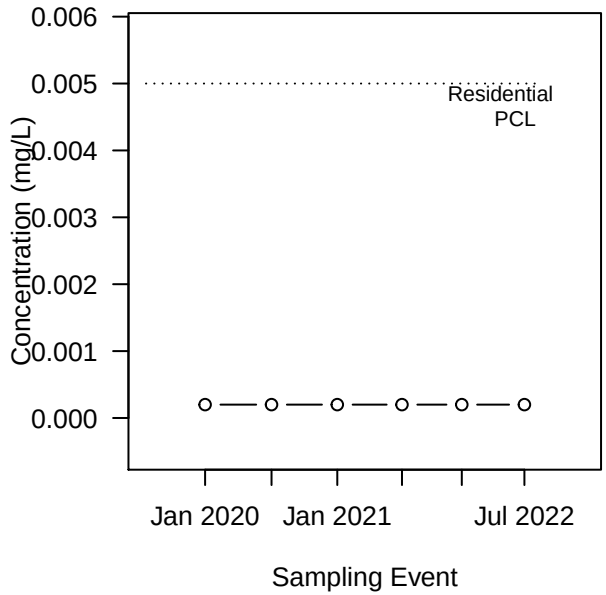
2−Methylnaphthalene (Det/N = 2/6)
Probably Increasing
(p−value=0.088 and CV=1.1)



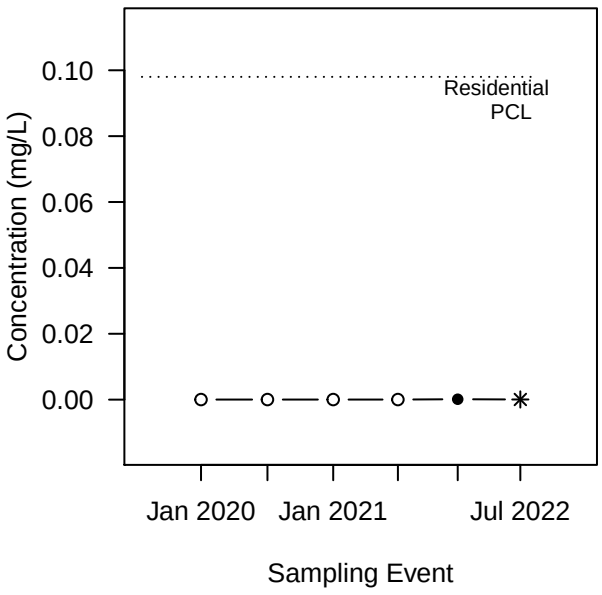
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated (all concentrations are identical)



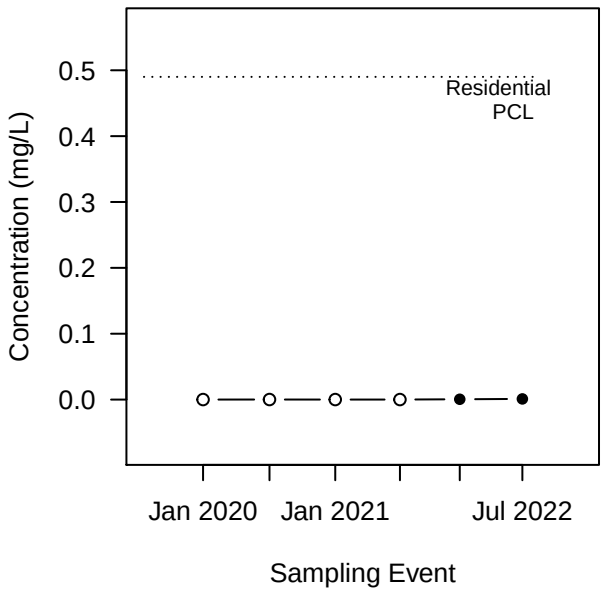
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 2/6)
Probably Increasing
(p−value=0.088 and CV=0.94)



Naphthalene (Det/N = 2/6)
Increasing
(p−value=0.0356 and CV=1.5)

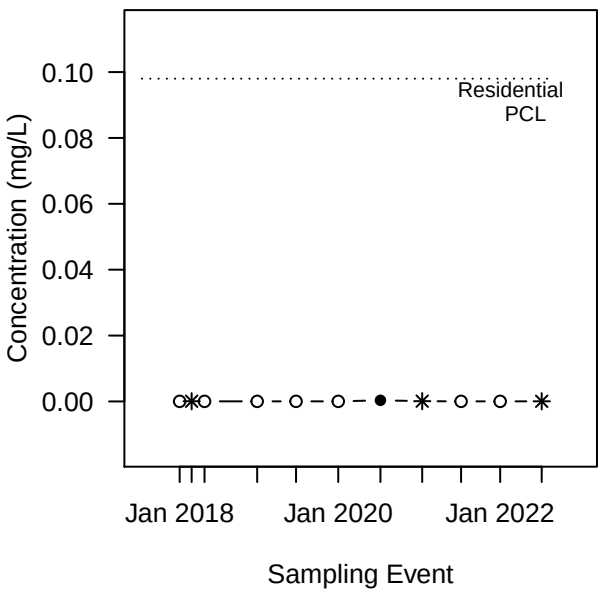


LEGEND:
Concentration
- ● DET
- ✳ DET, J−flagged
- ○ ND (DL plotted)

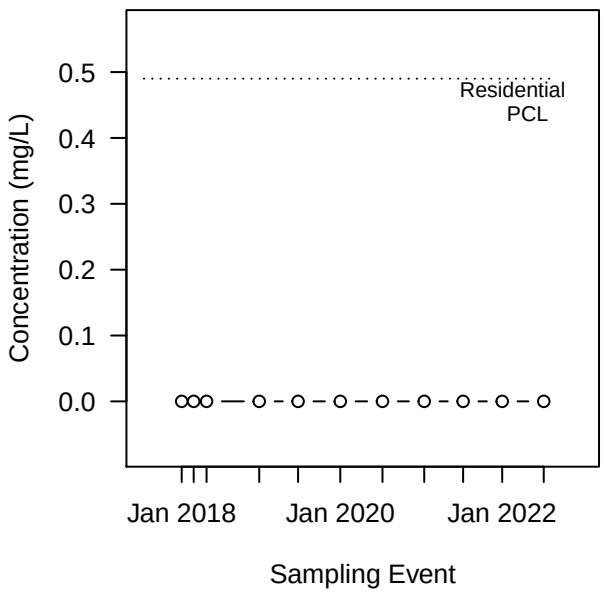
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−88C

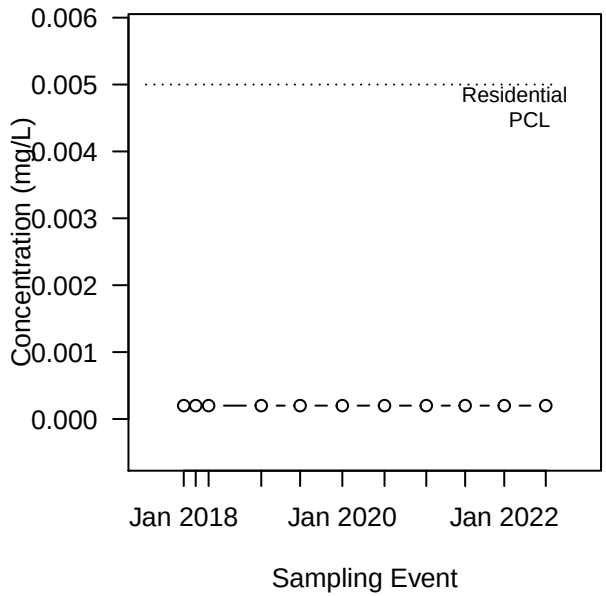
2−Methylnaphthalene (Det/N = 4/11)
No Trend
(p−value=0.324 and CV=1.6)



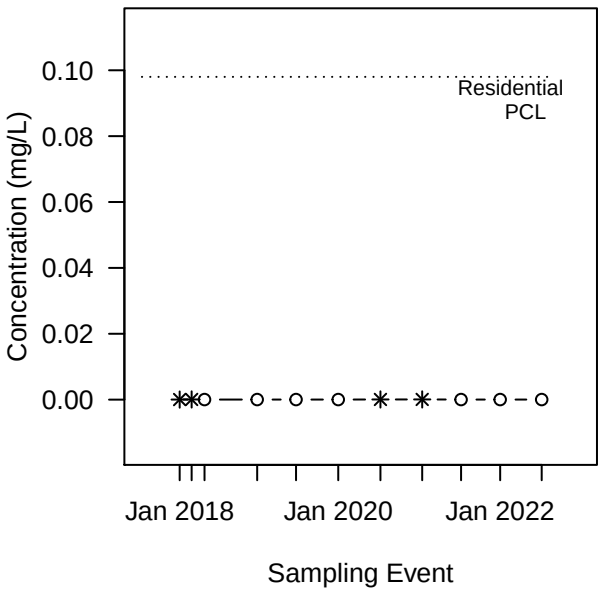
2,4−Dimethylphenol (Det/N = 0/11)
Not evaluated (all concentrations are identical)



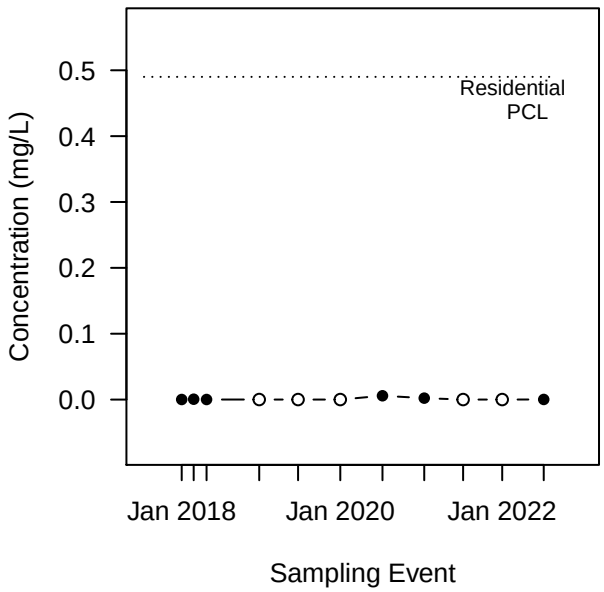
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 4/11)
Stable
(p−value=0.262 and CV=0.57)



Naphthalene (Det/N = 6/11)
No Trend
(p−value=0.402 and CV=2.1)

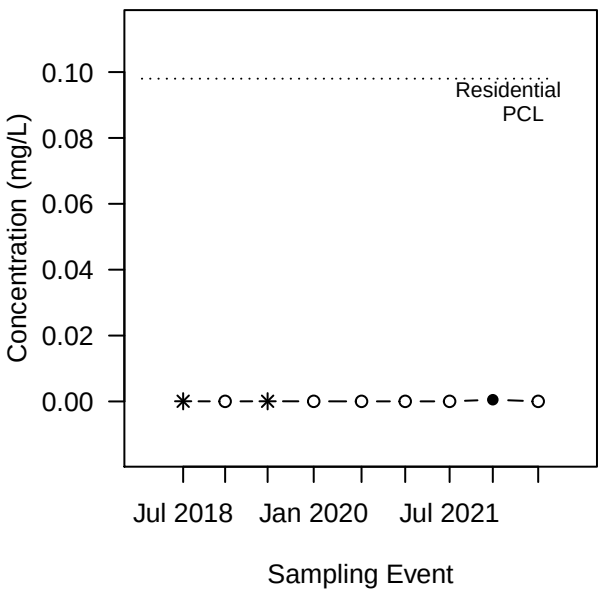


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

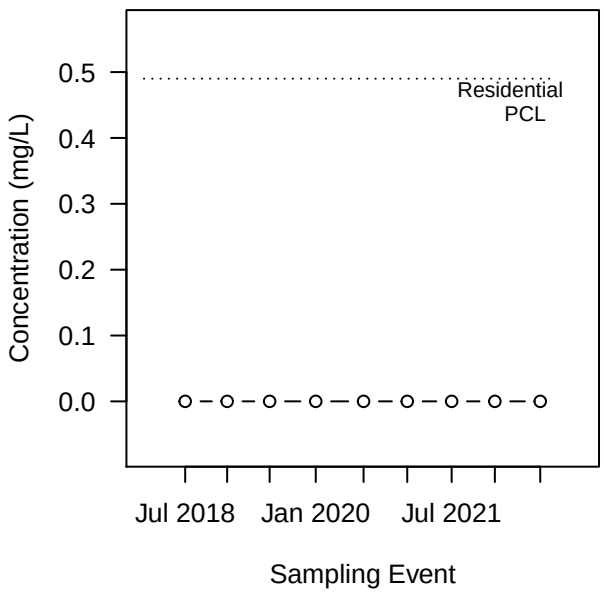
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−89B

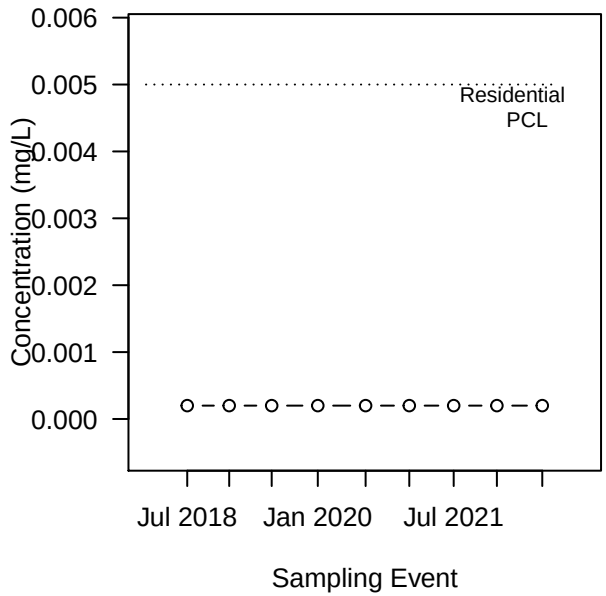
2−Methylnaphthalene (Det/N = 3/9)
No Trend
(p−value=0.308 and CV=2)



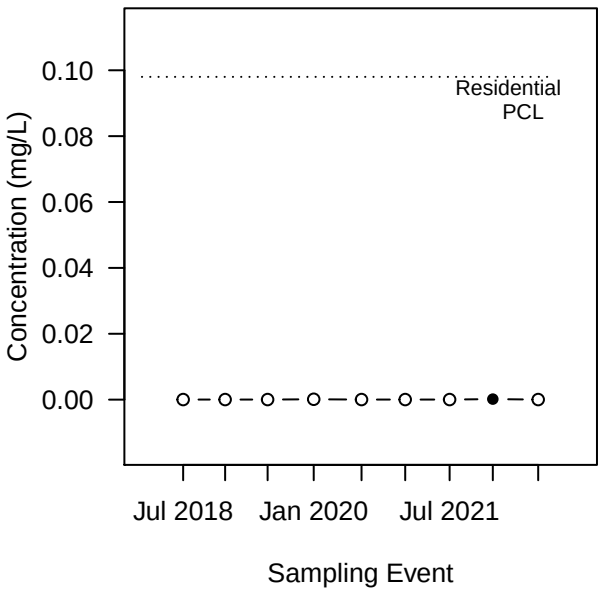
2,4−Dimethylphenol (Det/N = 0/9)
Not evaluated (all concentrations are identical)



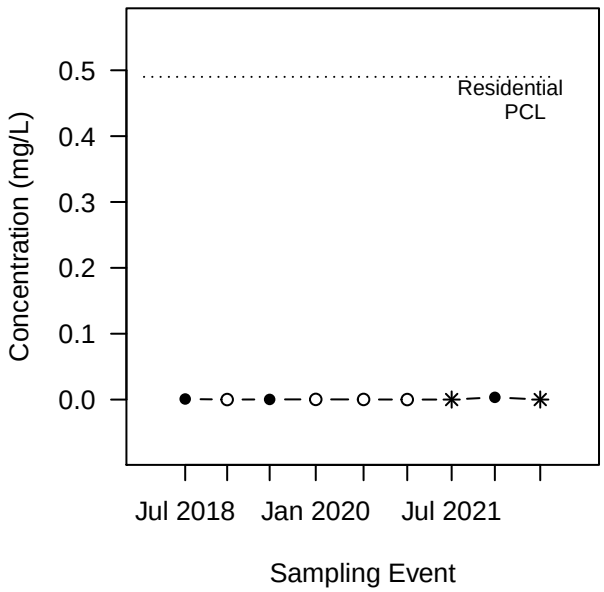
Benzene (Det/N = 0/9)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/9)
No Trend
(p−value=0.166 and CV=1.1)



Naphthalene (Det/N = 5/9)
No Trend
(p−value=0.456 and CV=1.9)

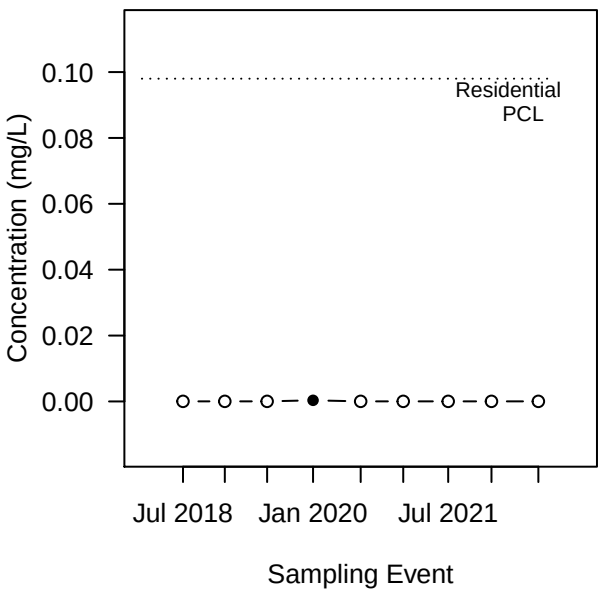


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

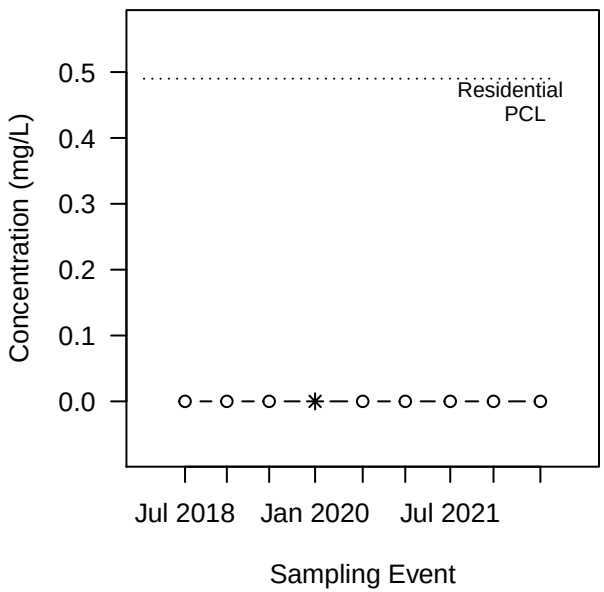
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−90B

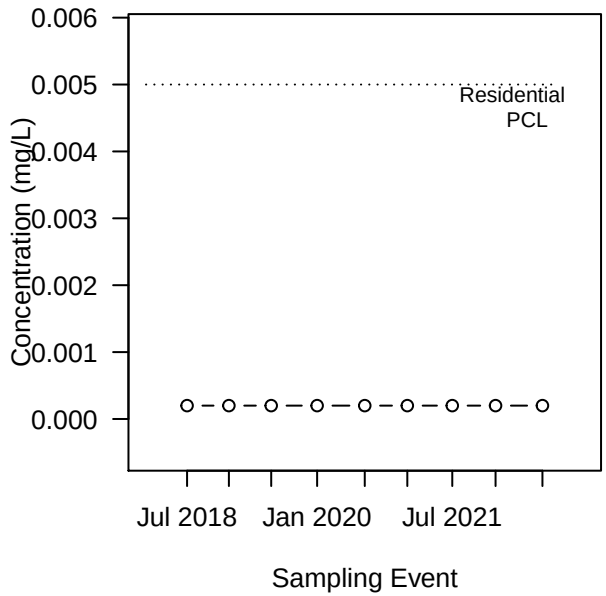
2−Methylnaphthalene (Det/N = 1/9)
No Trend
(p−value=0.423 and CV=2)



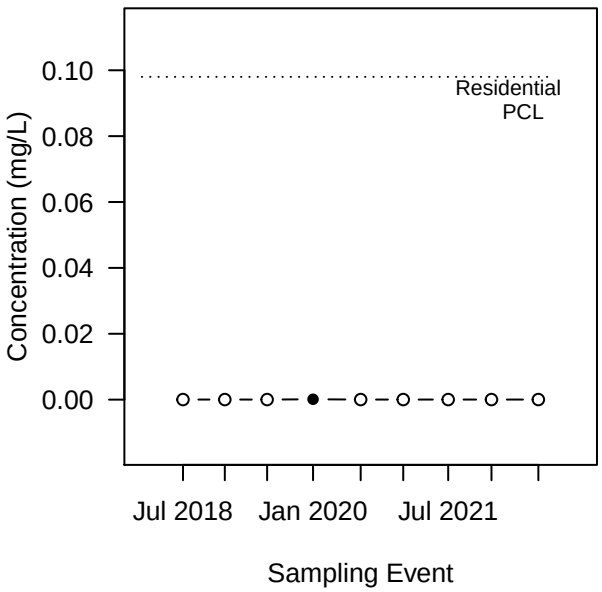
2,4−Dimethylphenol (Det/N = 1/9)
Stable
(p−value=0.423 and CV=0.27)



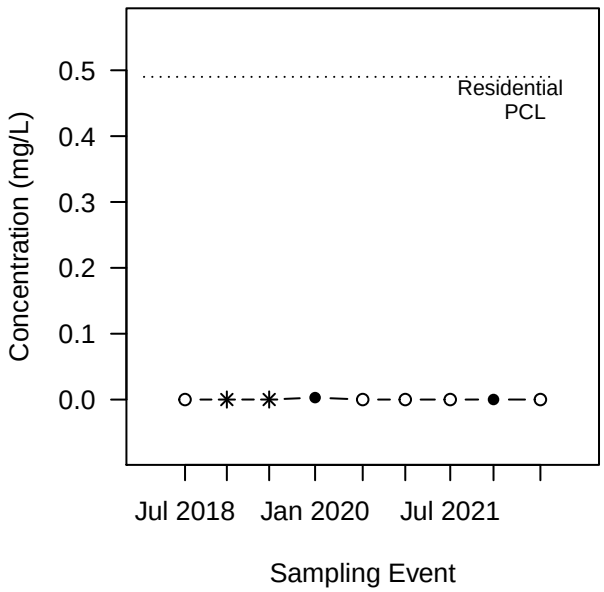
Benzene (Det/N = 0/9)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/9)
No Trend
(p−value=0.423 and CV=1)



Naphthalene (Det/N = 4/9)
No Trend
(p−value=0.454 and CV=2.7)

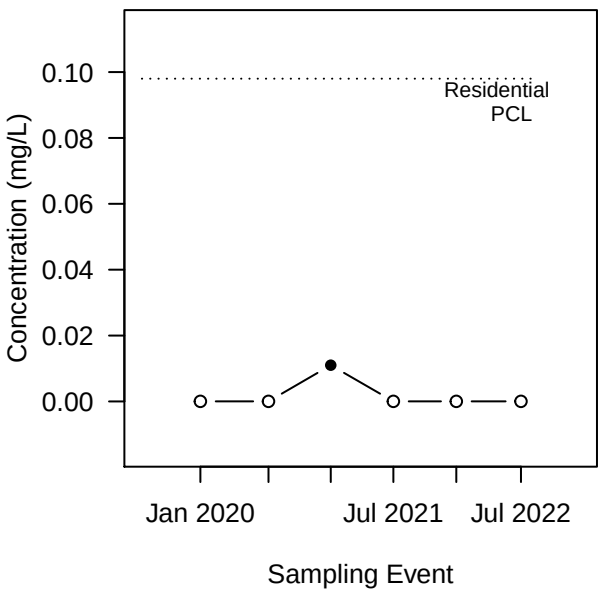


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

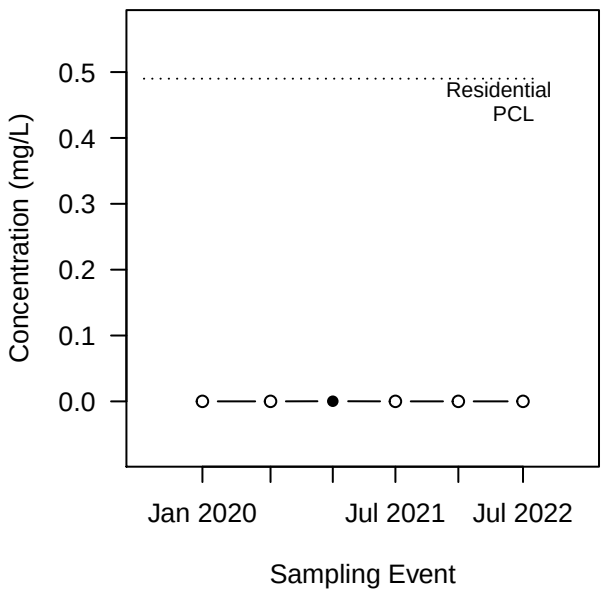
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−91A

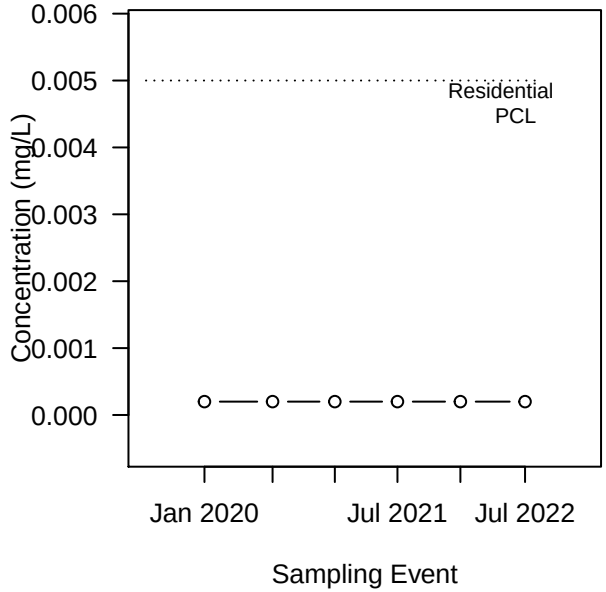
2−Methylnaphthalene (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=2.4)



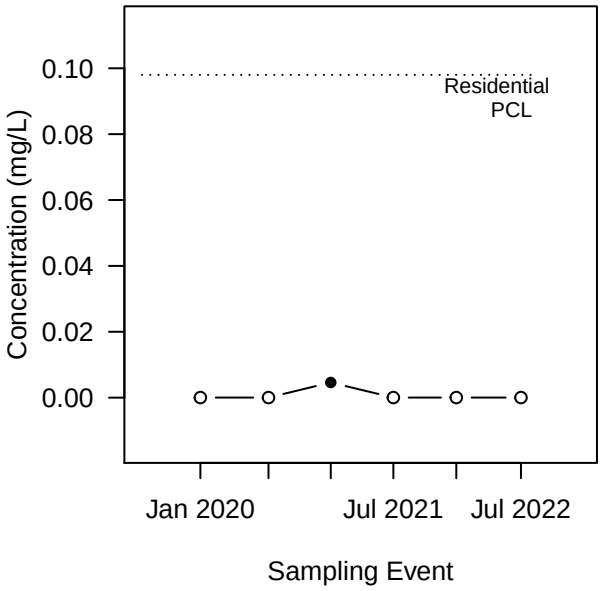
2,4−Dimethylphenol (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=1.2)



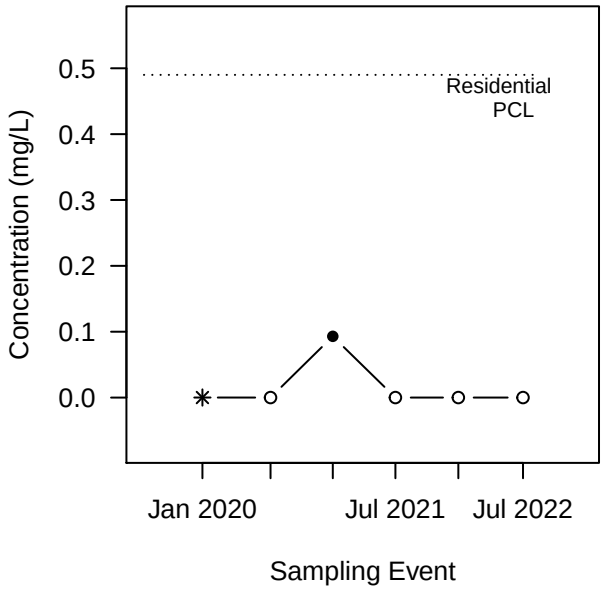
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=2.4)



Naphthalene (Det/N = 2/6)
No Trend
(p−value=0.184 and CV=2.4)

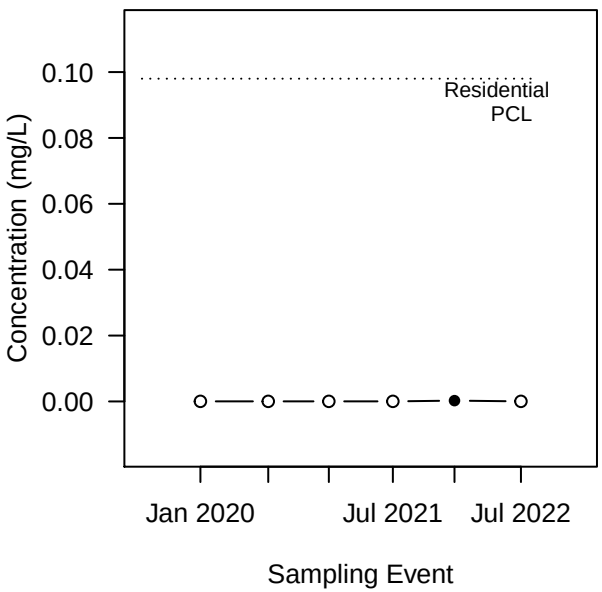


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

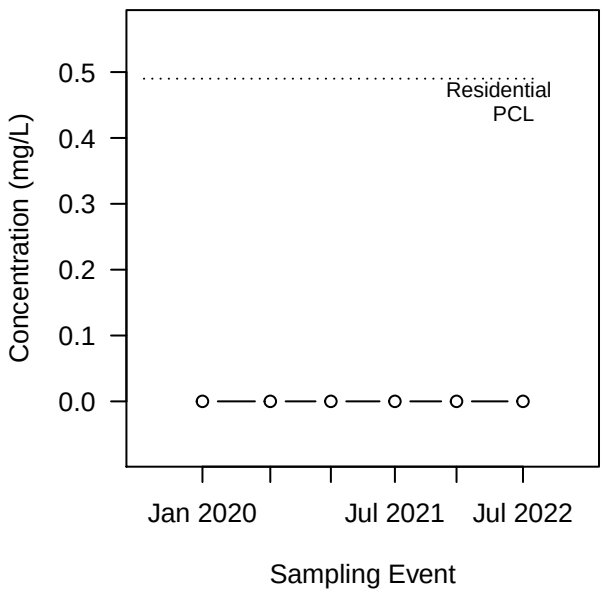
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−92B

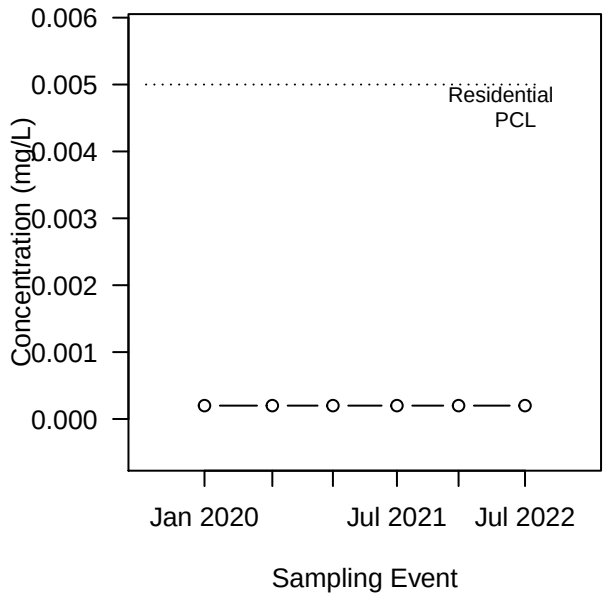
2−Methylnaphthalene (Det/N = 1/6)
No Trend
(p−value=0.279 and CV=1.6)



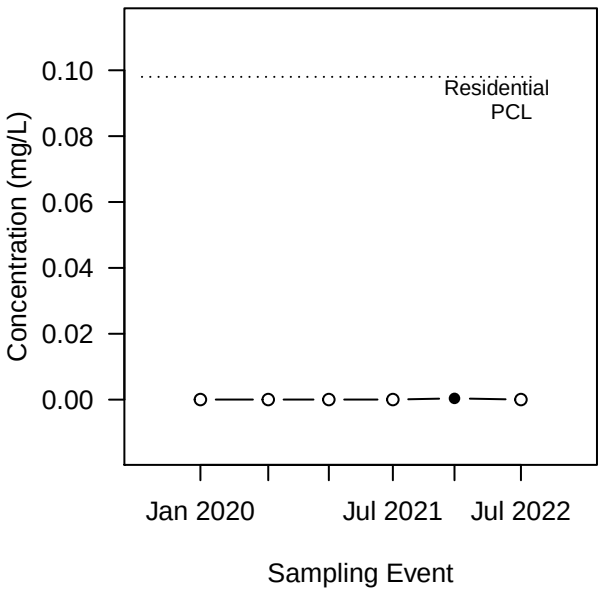
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated (all concentrations are identical)



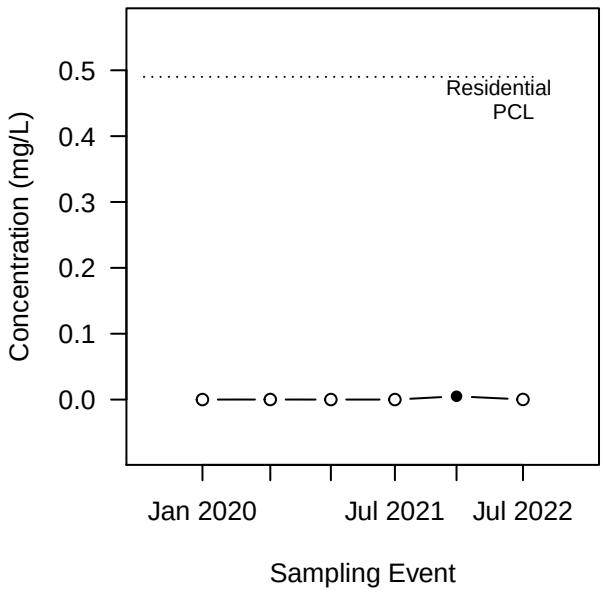
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/6)
No Trend
(p−value=0.279 and CV=1.8)



Naphthalene (Det/N = 1/6)
No Trend
(p−value=0.279 and CV=2.2)

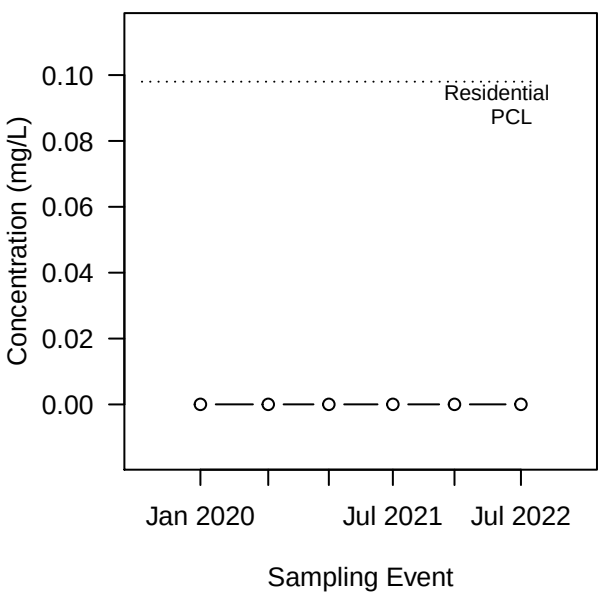


LEGEND:
Concentration
- DET
- ND (DL plotted)

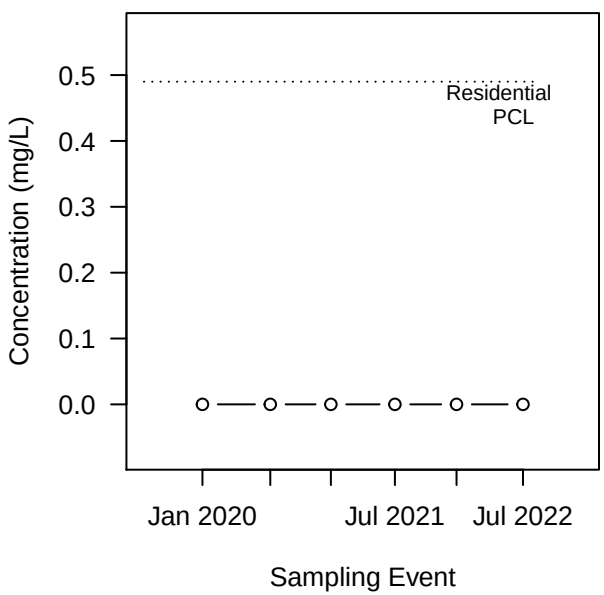
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−93B

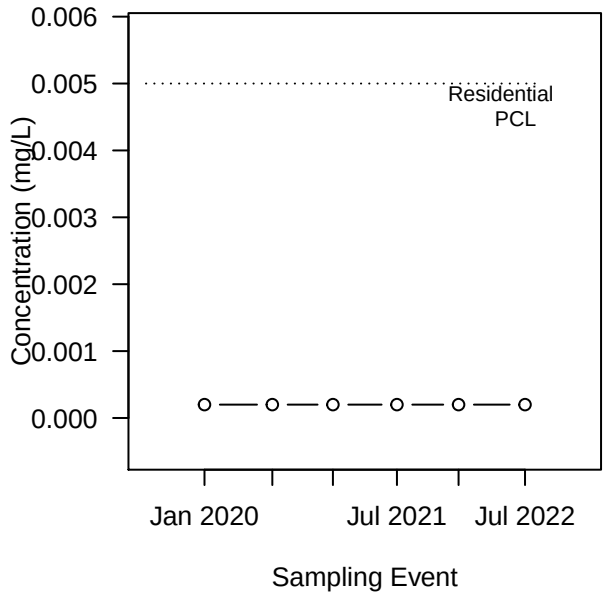
2−Methylnaphthalene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



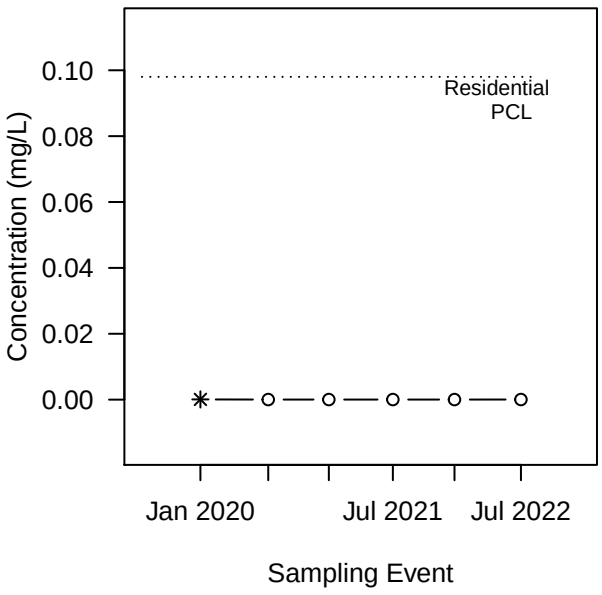
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated − All NDs



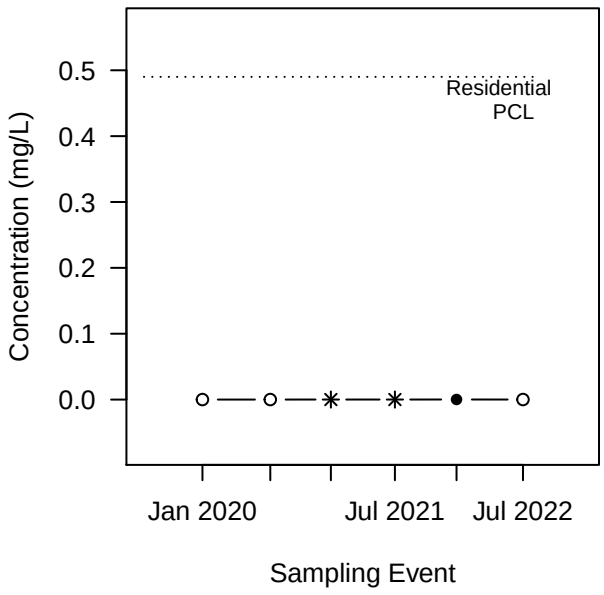
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/6)
Stable
(p−value=0.121 and CV=0.67)



Naphthalene (Det/N = 3/6)
No Trend
(p−value=0.273 and CV=0.68)

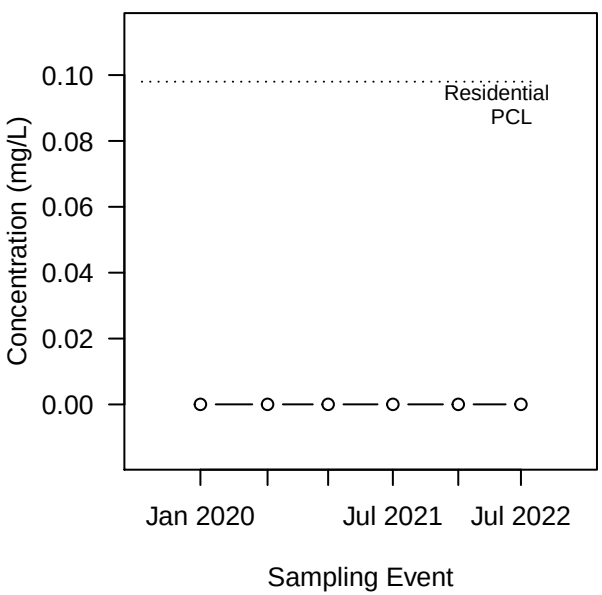


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

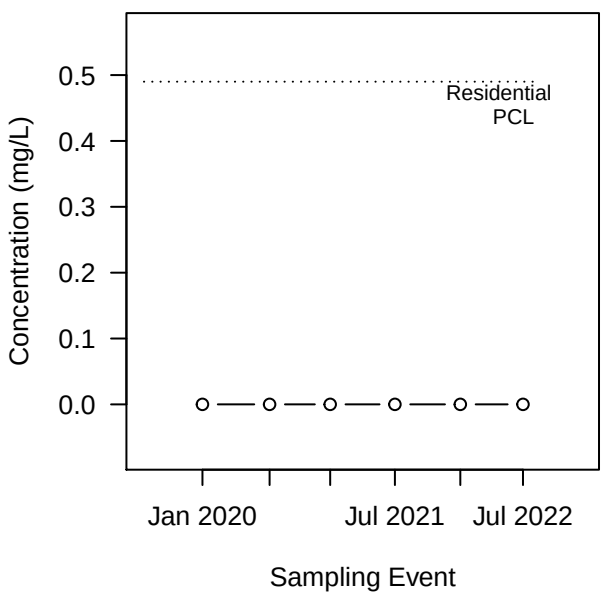
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−94A

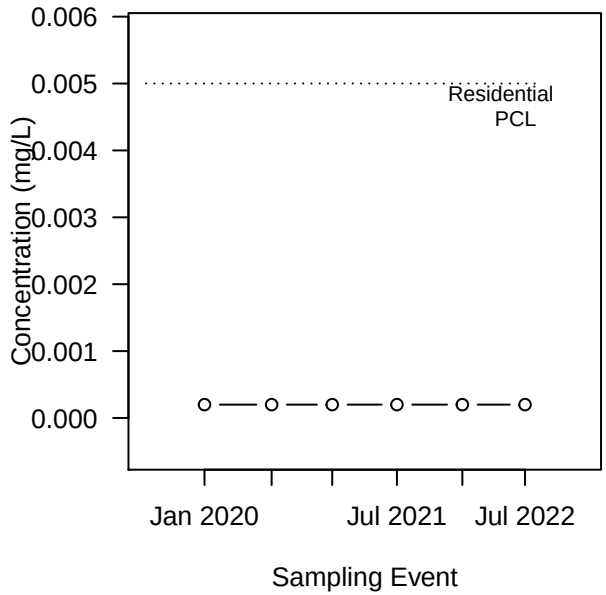
2−Methylnaphthalene (Det/N = 0/6)
Not evaluated − All NDs



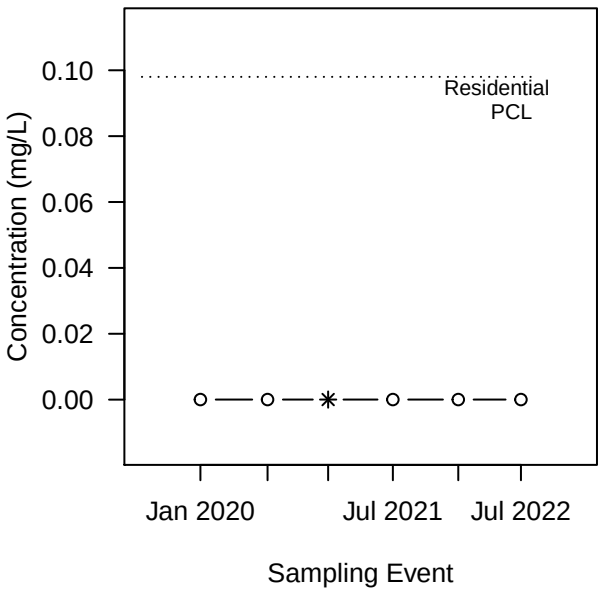
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated − All NDs



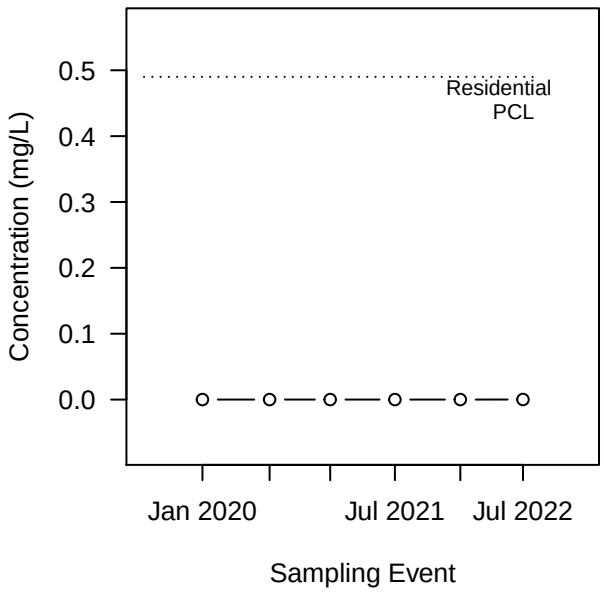
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=0.025)



Naphthalene (Det/N = 0/6)
Not evaluated − All NDs

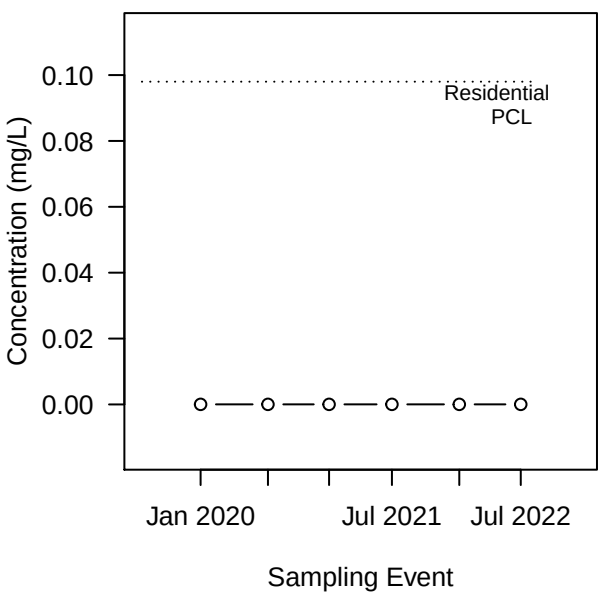


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

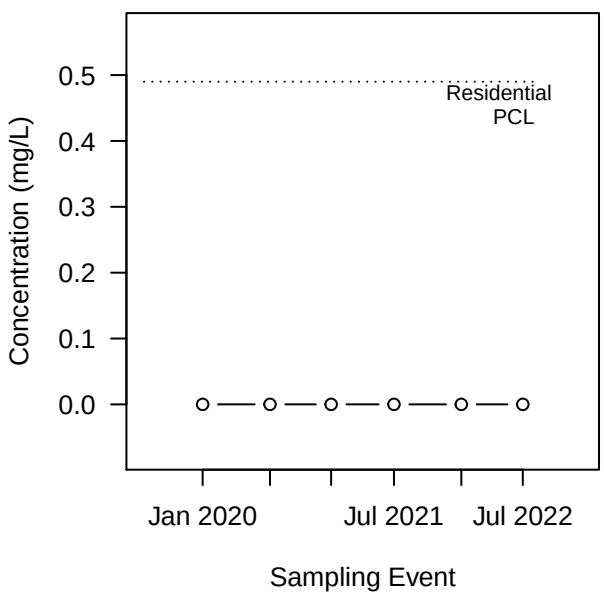
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−95A

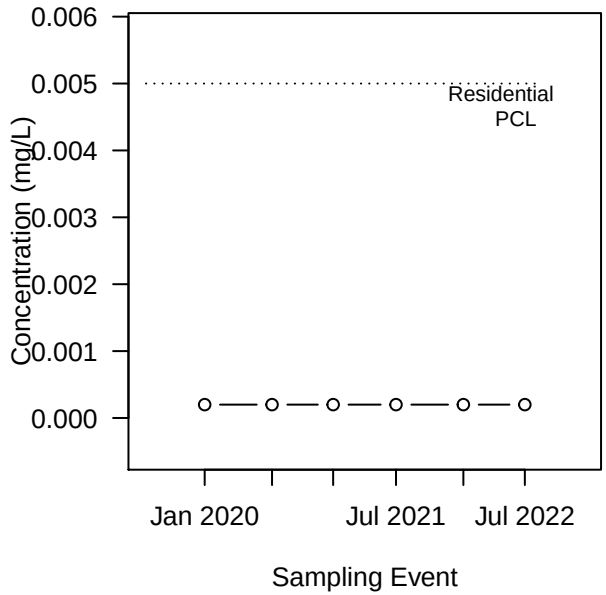
2−Methylnaphthalene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



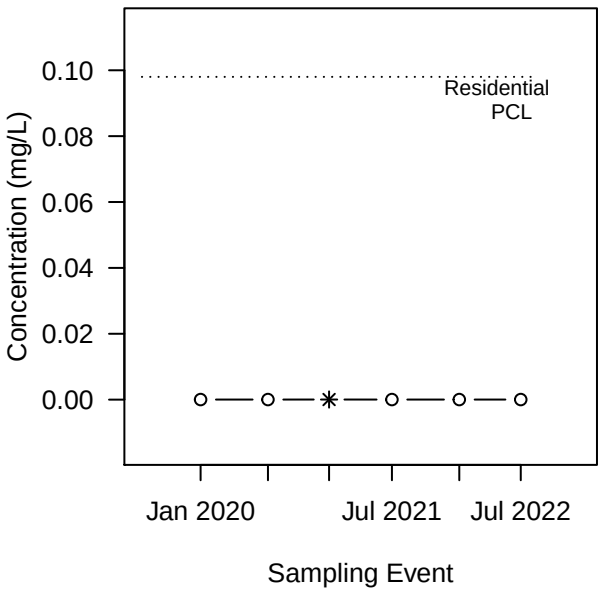
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated (all concentrations are identical)



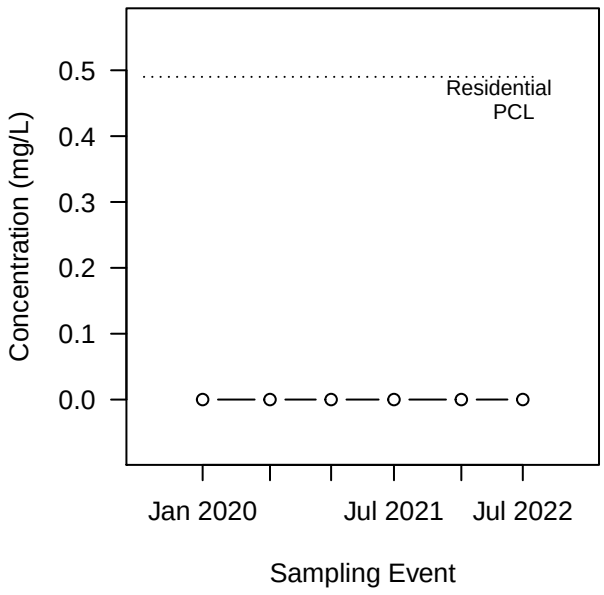
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=0.24)



Naphthalene (Det/N = 0/6)
Not evaluated − All NDs

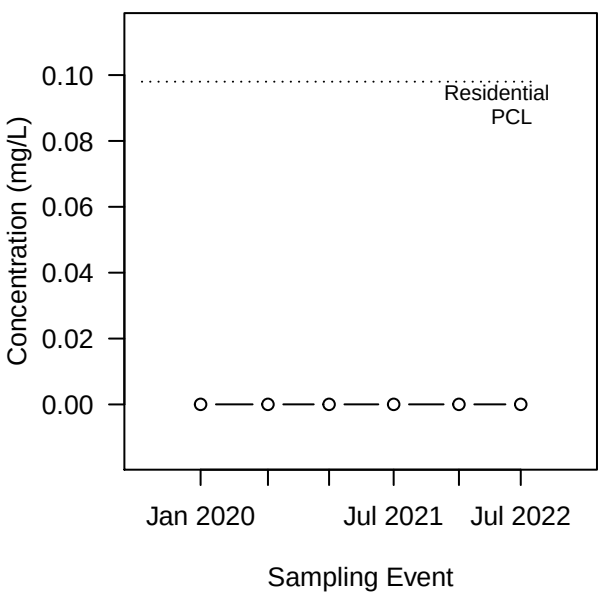


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

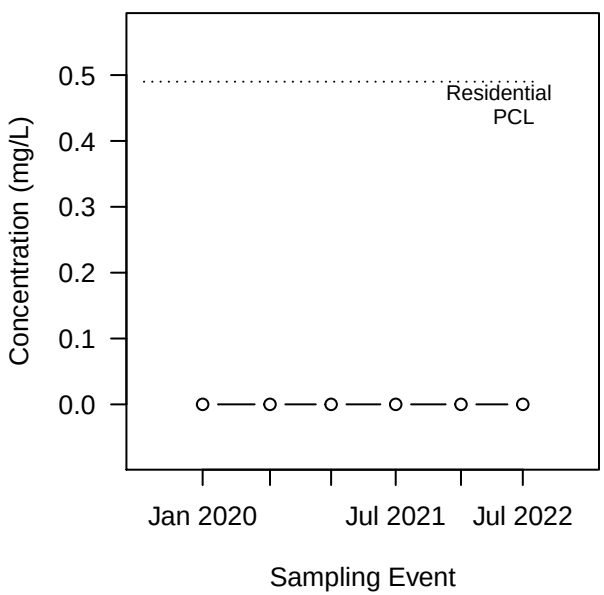
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−96B

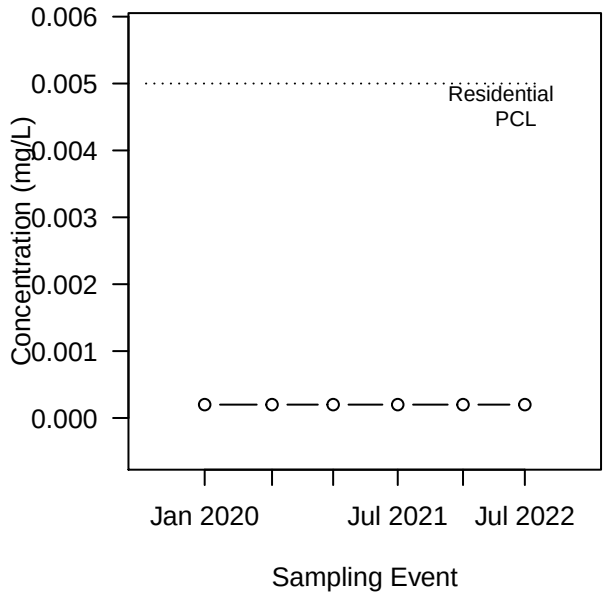
2−Methylnaphthalene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



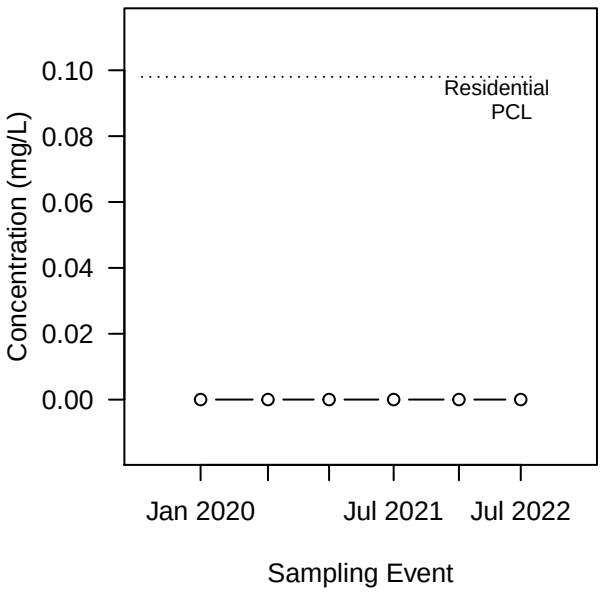
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated (all concentrations are identical)



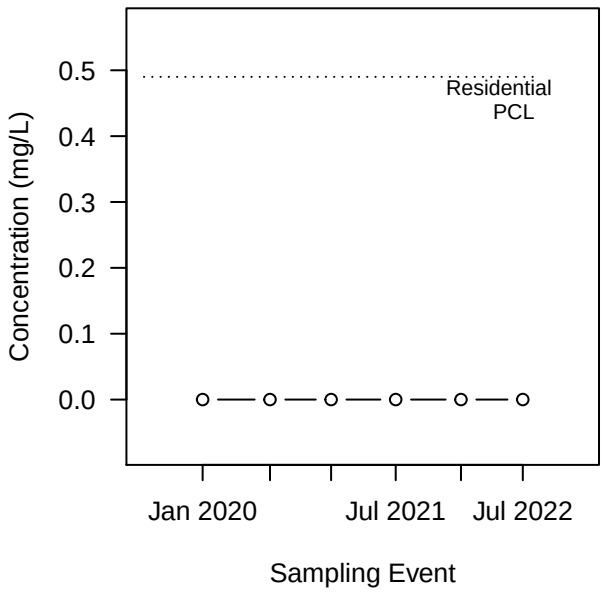
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Naphthalene (Det/N = 0/6)
Not evaluated − All NDs

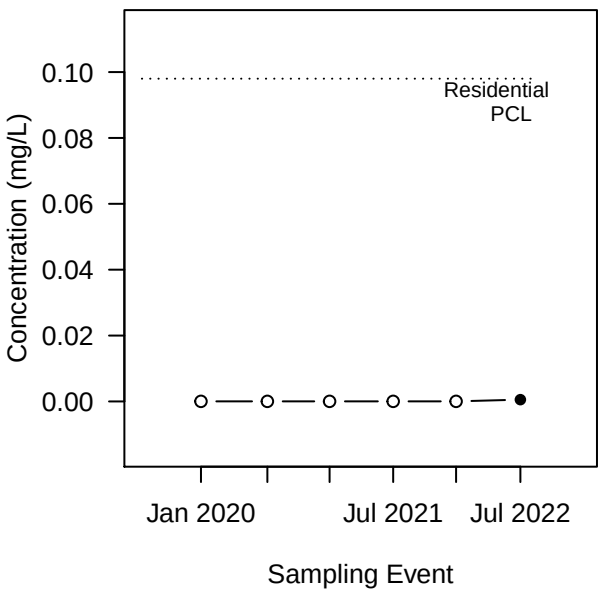


LEGEND:
Concentration
- DET
- ND (DL plotted)

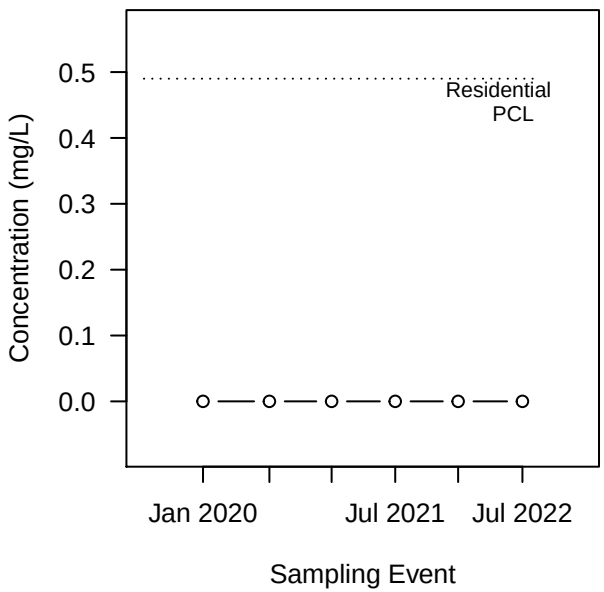
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−97A

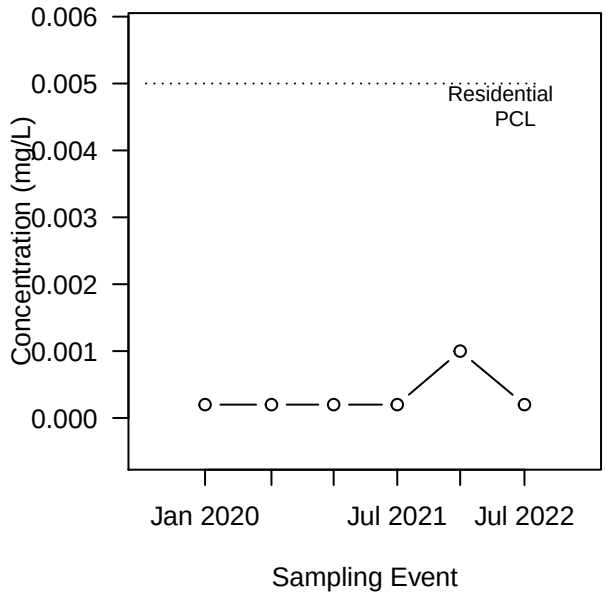
2−Methylnaphthalene (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=2)



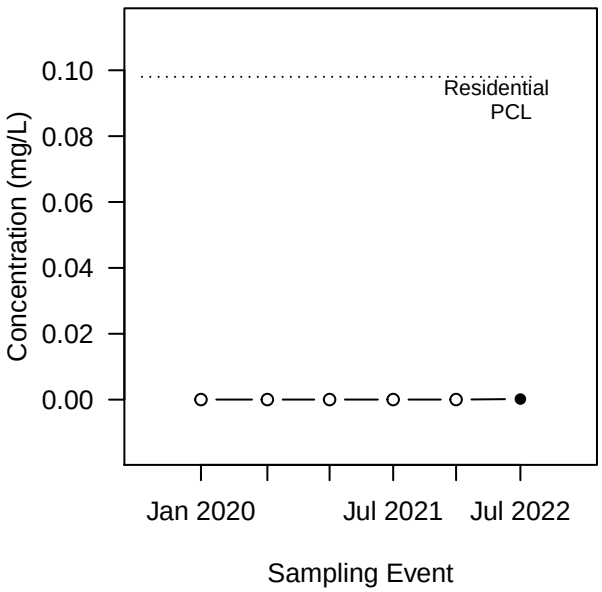
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated − All NDs



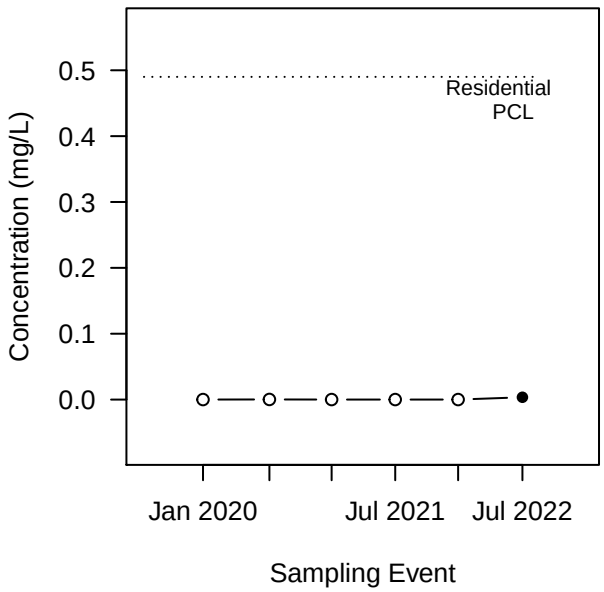
Benzene (Det/N = 0/6)
Not evaluated − All NDs



Dibenzofuran (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=1.4)



Naphthalene (Det/N = 1/6)
No Trend
(p−value=0.121 and CV=2.2)

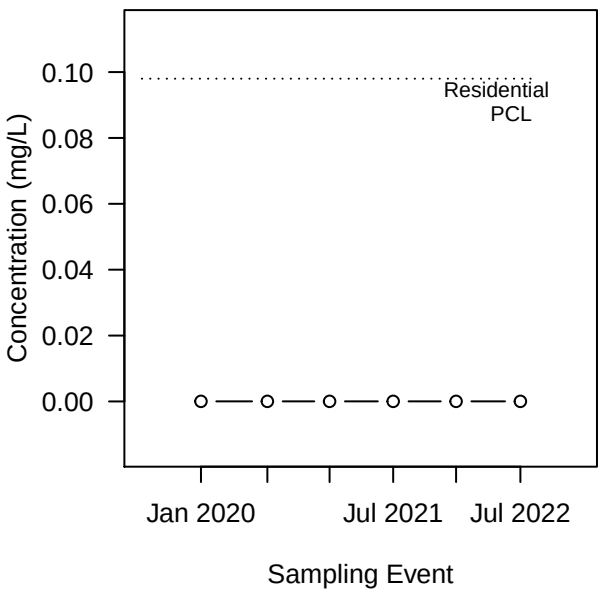


LEGEND:
Concentration
- DET
- ND (DL plotted)

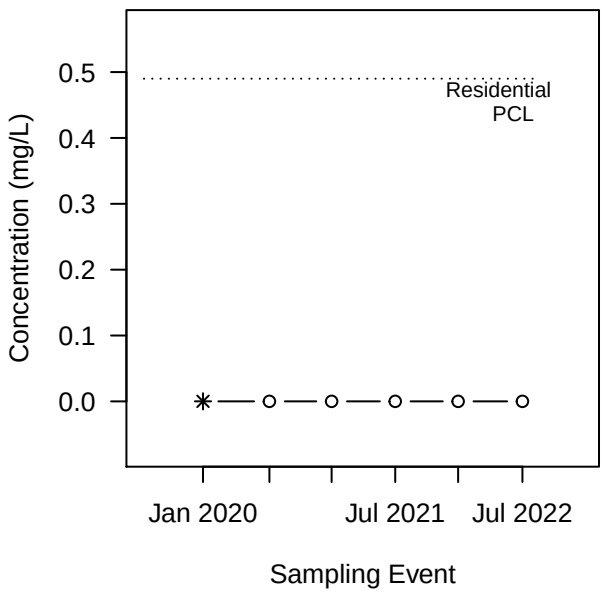
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−98A

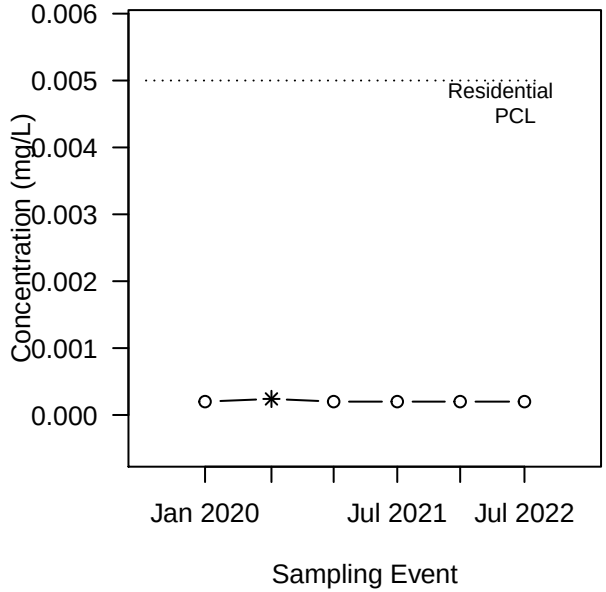
2−Methylnaphthalene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



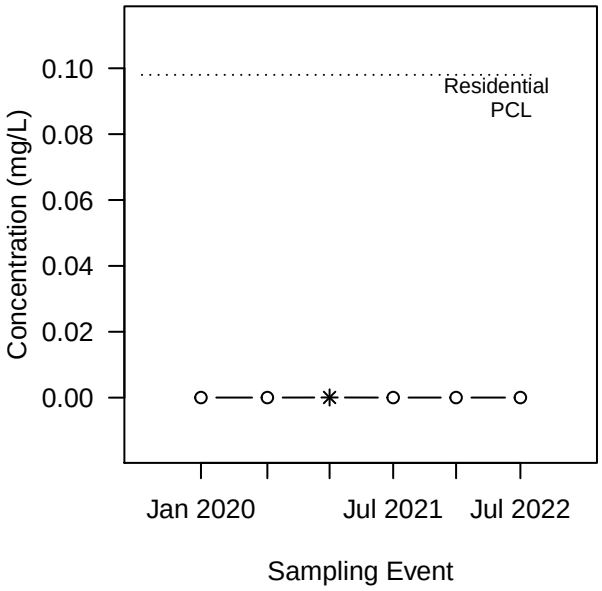
2,4−Dimethylphenol (Det/N = 1/6)
Stable
(p−value=0.121 and CV=0.33)



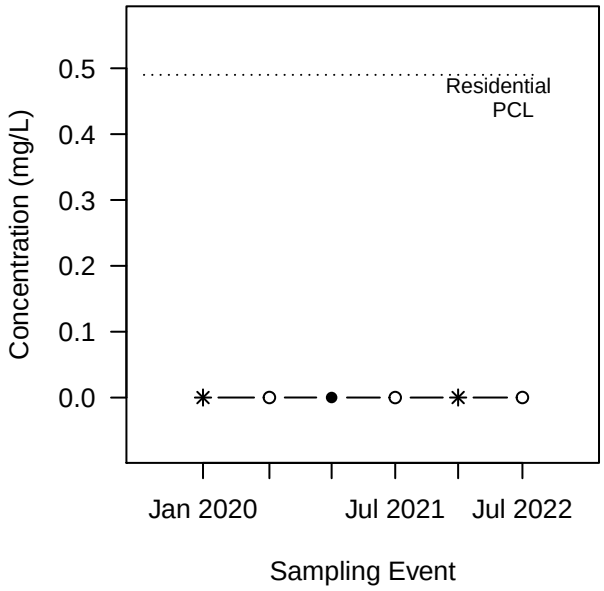
Benzene (Det/N = 1/6)
Stable
(p−value=0.279 and CV=0.079)



Dibenzofuran (Det/N = 1/6)
No Trend
(p−value=0.5 and CV=0.43)



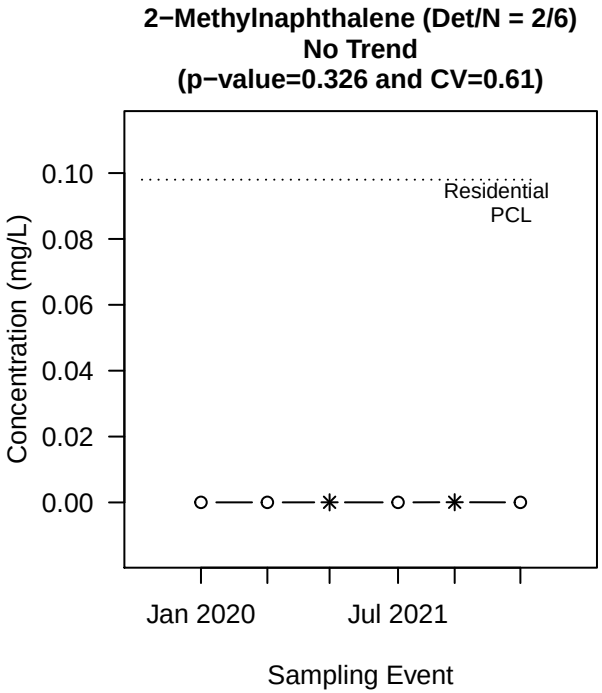
Naphthalene (Det/N = 3/6)
Stable
(p−value=0.42 and CV=0.48)

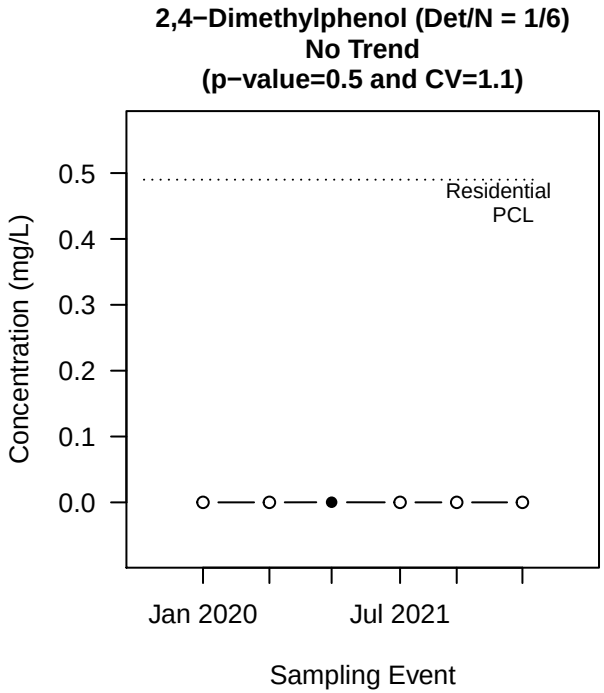


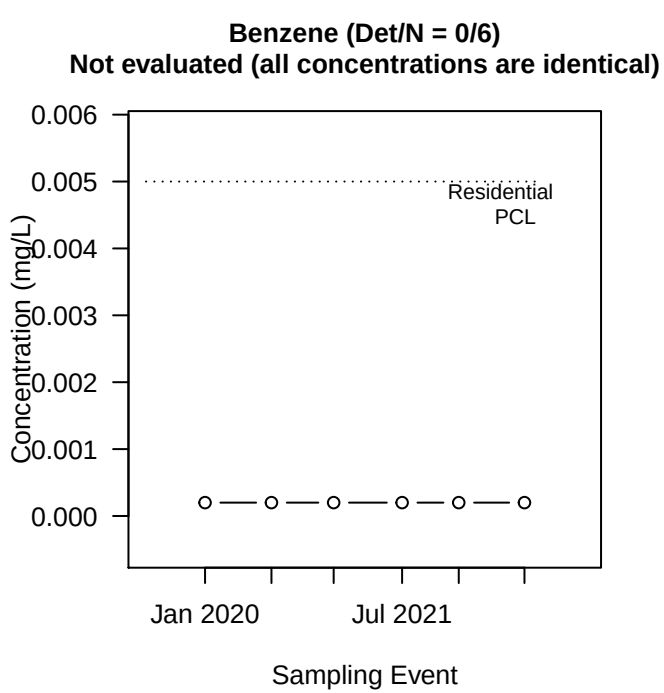
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

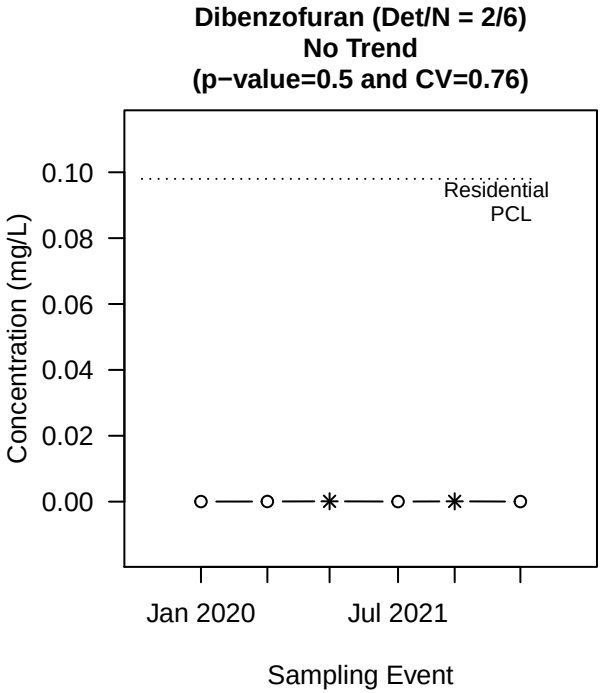
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

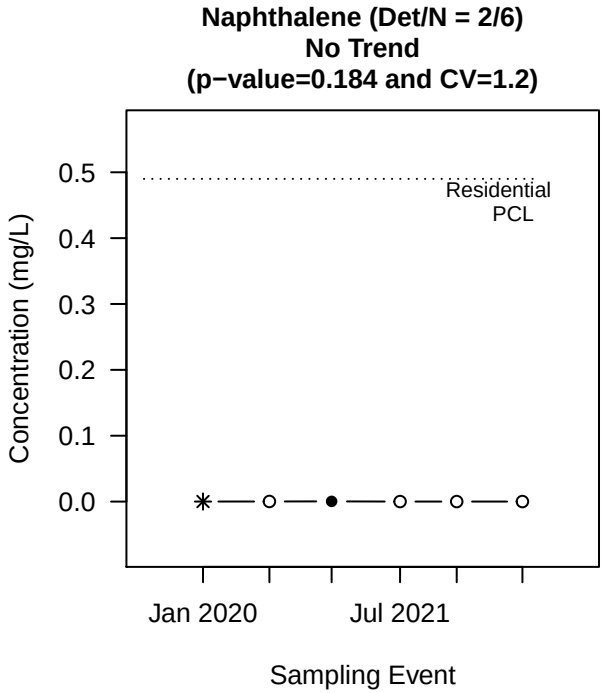
Mann−Kendall Trend Tests for MW−98B

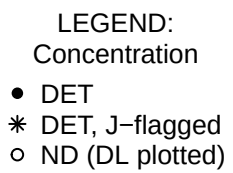








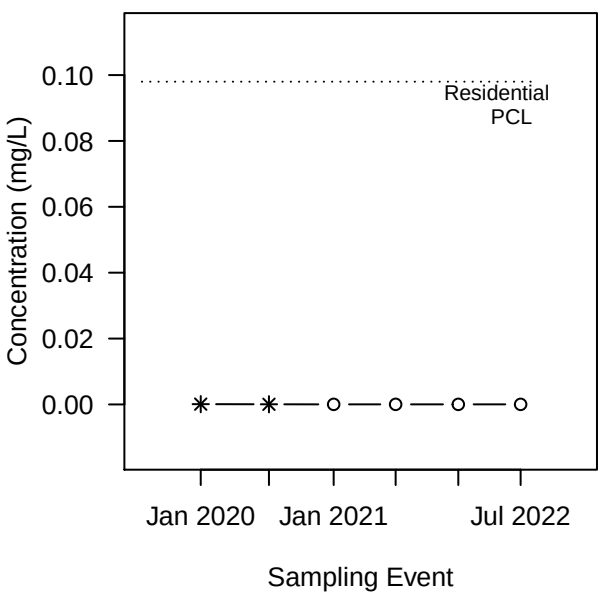




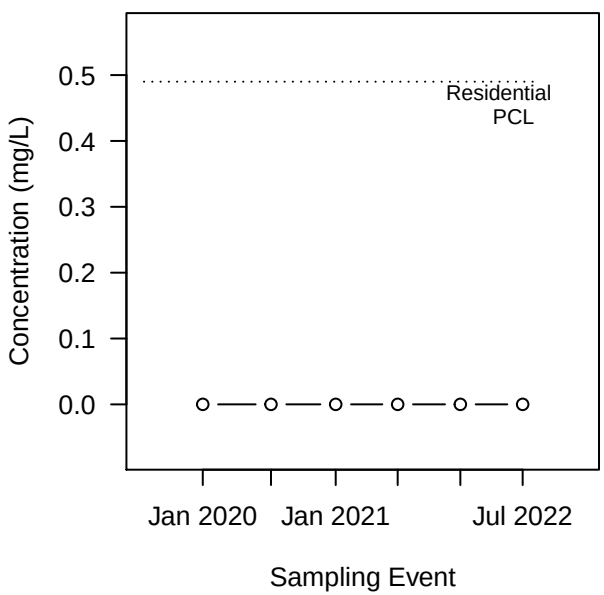
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−99C

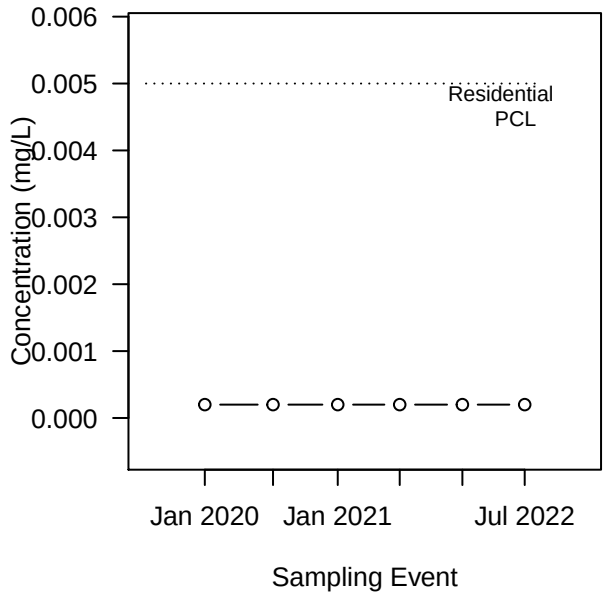
2−Methylnaphthalene (Det/N = 2/6)
Decreasing
(p−value=0.0356 and CV=0.79)



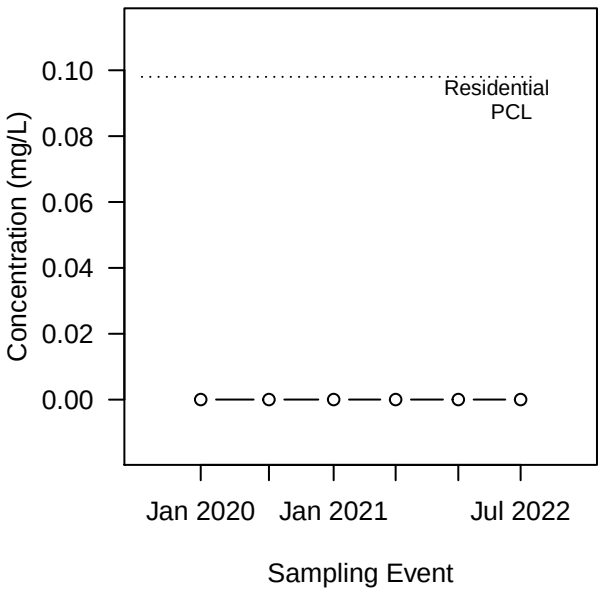
2,4−Dimethylphenol (Det/N = 0/6)
Not evaluated − All NDs



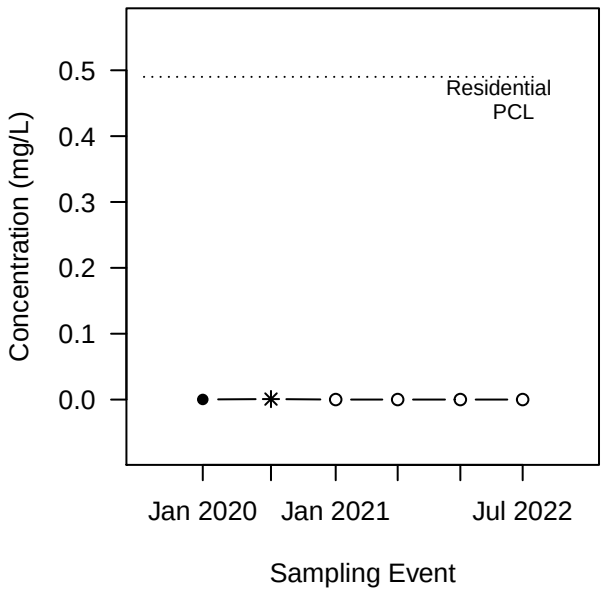
Benzene (Det/N = 0/6)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/6)
Not evaluated (all concentrations are identical)



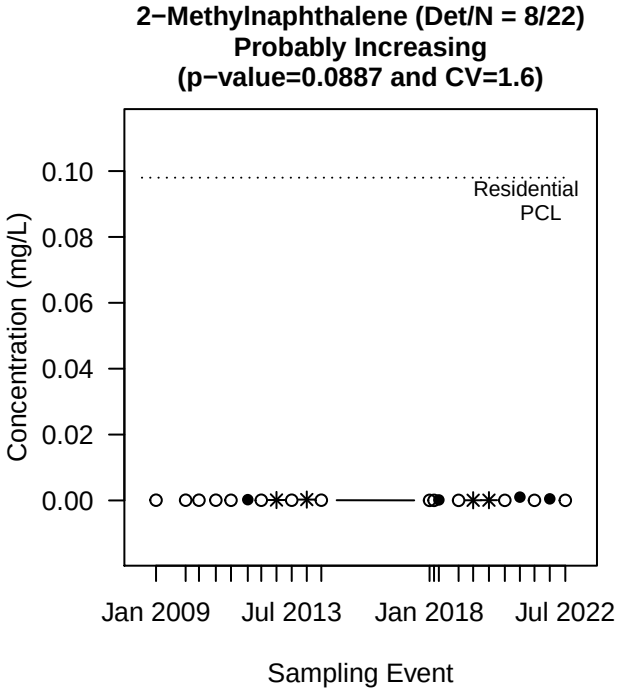
Naphthalene (Det/N = 2/6)
Probably Decreasing
(p−value=0.088 and CV=1.7)

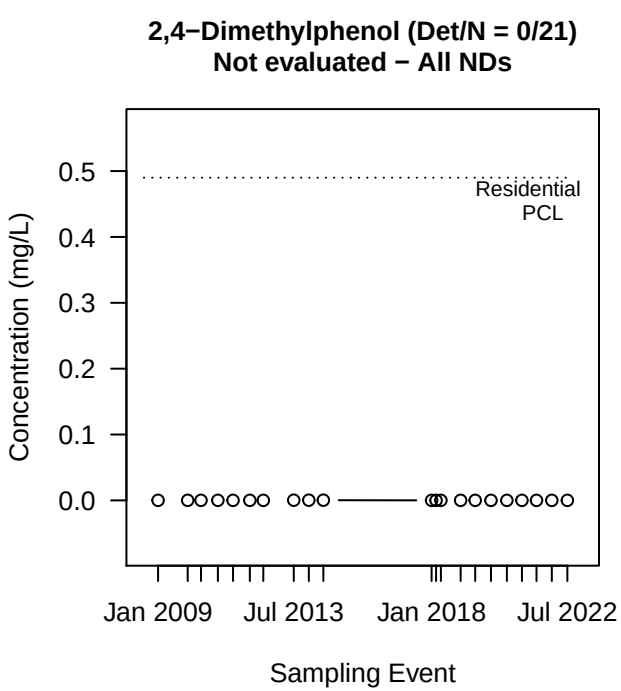


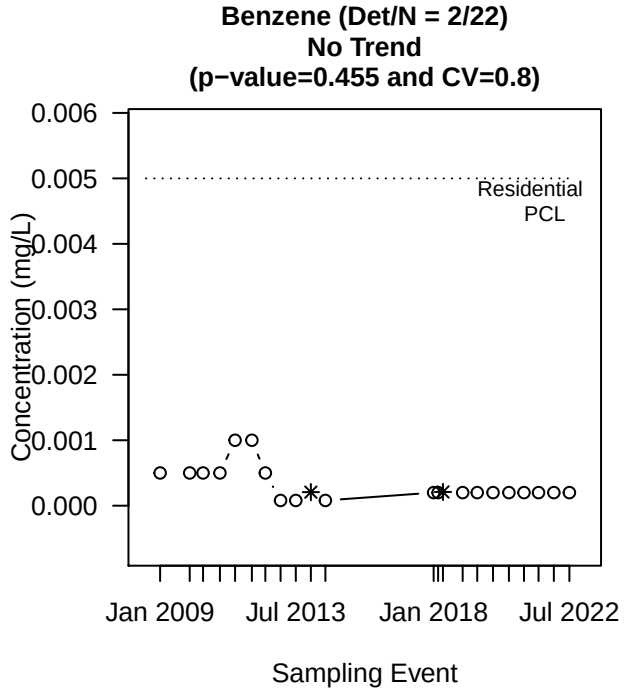
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

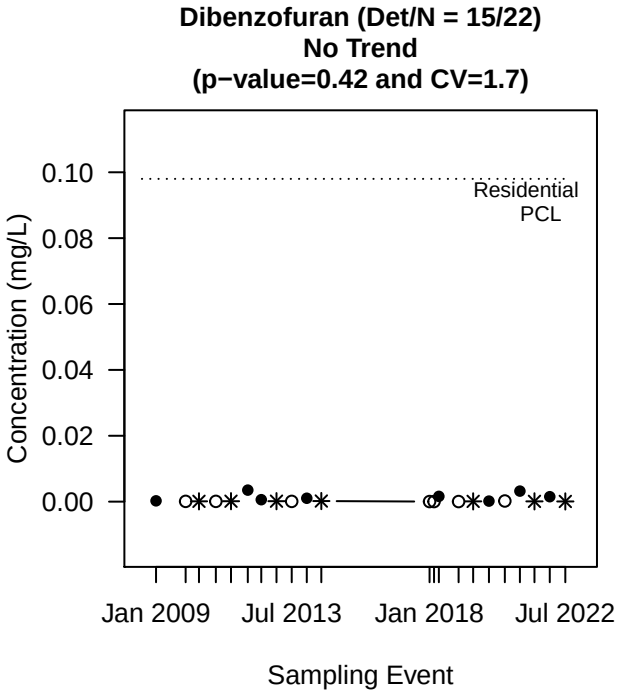
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

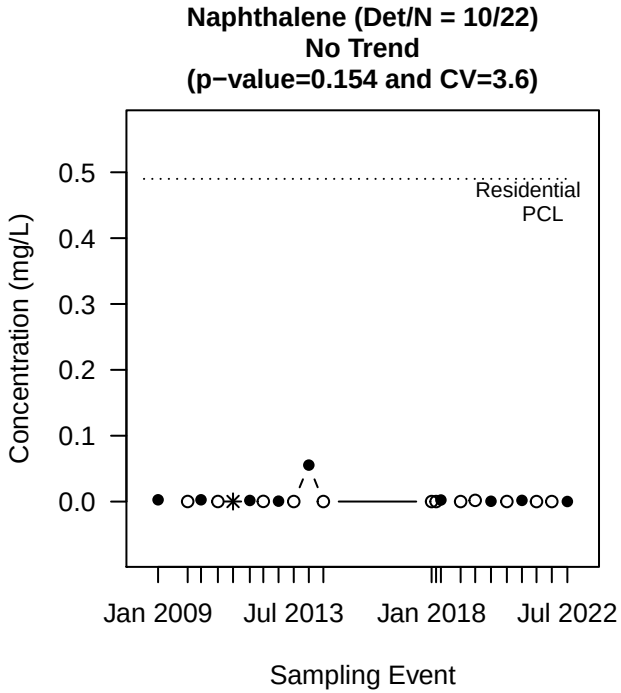
Mann−Kendall Trend Tests for P−11









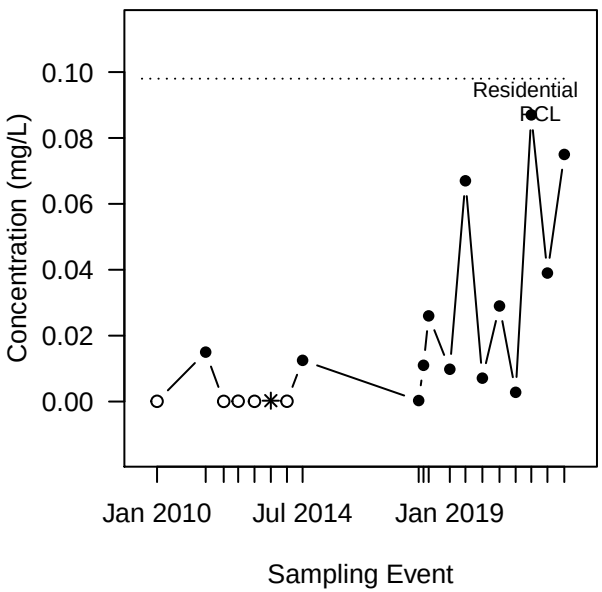


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

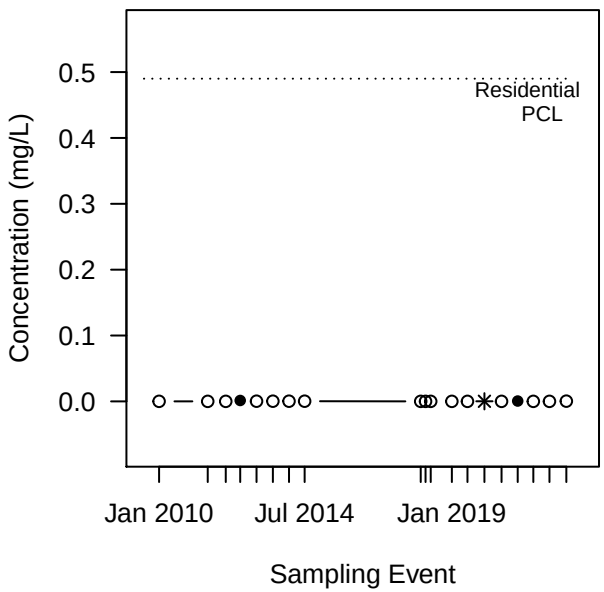
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for TW−41B

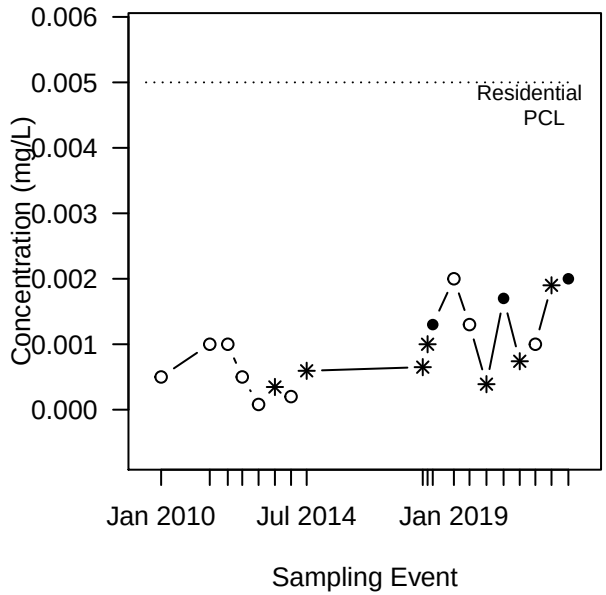
2−Methylnaphthalene (Det/N = 14/19)
Increasing
(p−value=0.000446 and CV=1.4)



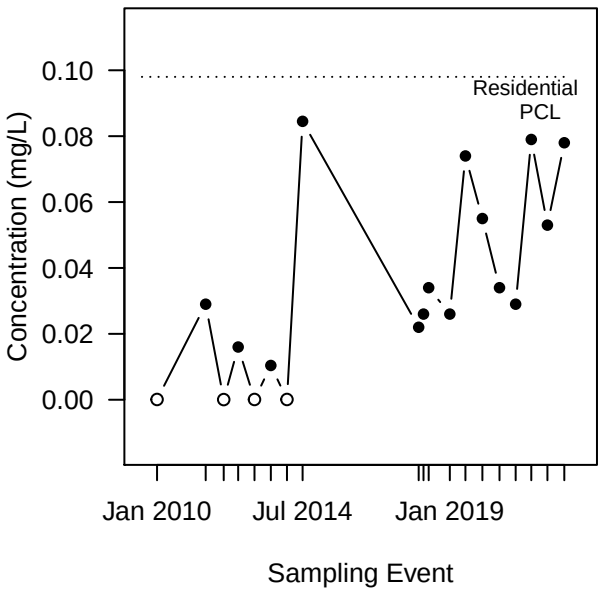
2,4−Dimethylphenol (Det/N = 3/19)
No Trend
(p−value=0.369 and CV=1.5)



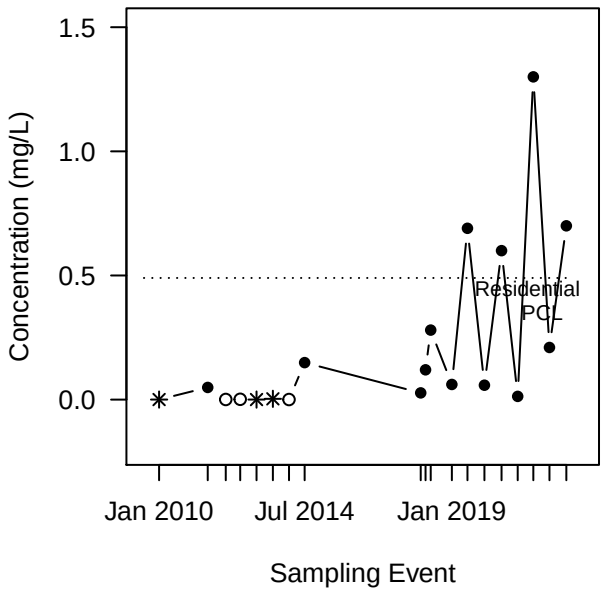
Benzene (Det/N = 10/19)
Increasing
(p−value=0.00116 and CV=0.63)



Dibenzofuran (Det/N = 15/19)
Increasing
(p−value=0.000671 and CV=0.84)



Naphthalene (Det/N = 16/19)
Increasing
(p−value=0.000432 and CV=1.6)



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.

ATTACHMENT D

Groundwater Plume Analytics Technical Memorandum

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:

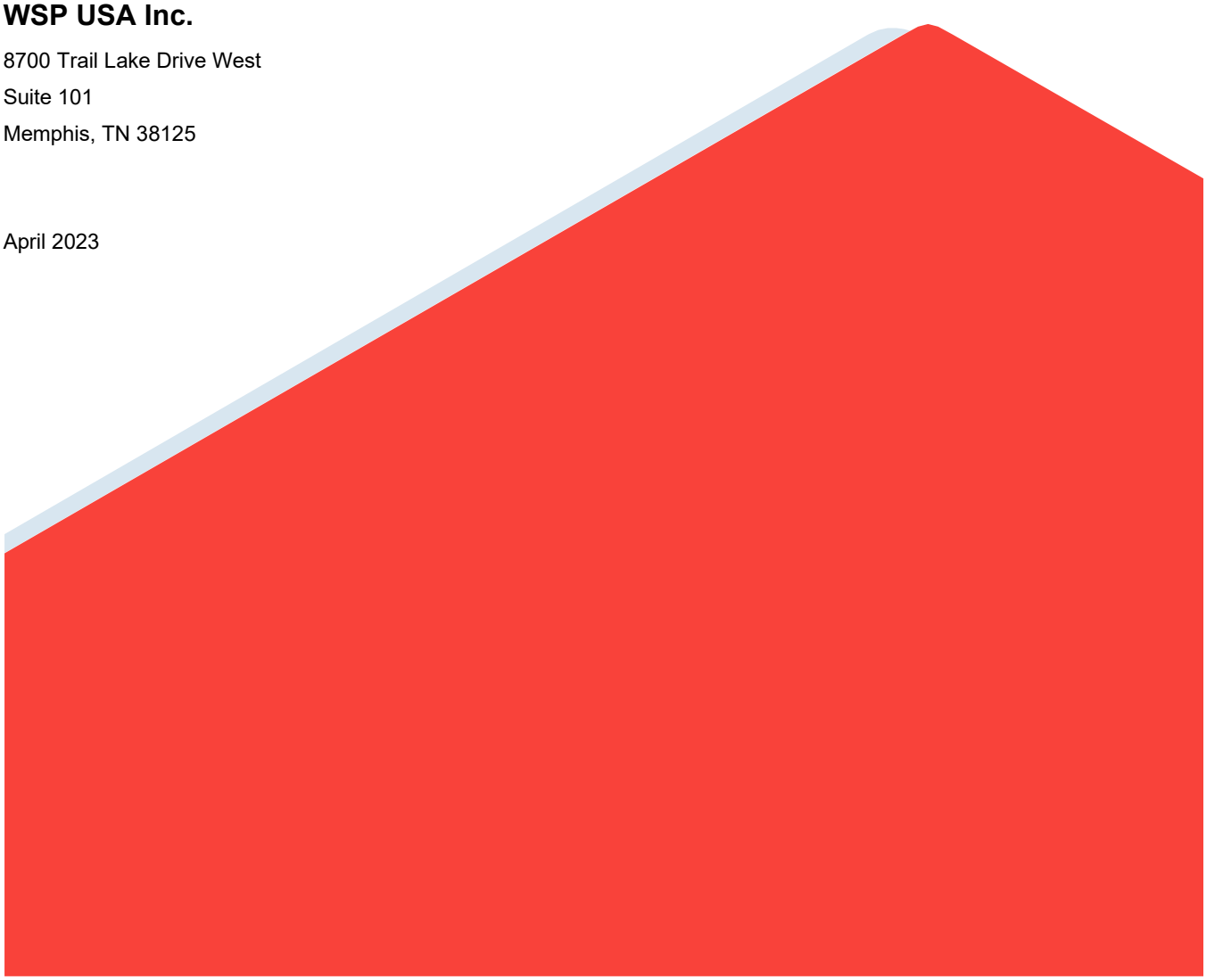
WSP USA Inc.

8700 Trail Lake Drive West

Suite 101

Memphis, TN 38125

April 2023



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APPENDICES

Appendix A *– UPRR Houston Plume Analytics 2022.pptx*

Appendix B *– UPRR Houston Ricker Method® Input Data*

Appendix C *– Non-Detect Value Determination Flow Chart*

Appendix D *– UPRR Houston Ricker Method® Plume Stability Analysis Metrics Summary*

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 2022.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 2022 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 2022. 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 in which historical data have been collected have not been sampled in recent years. In this instance, in lieu of extrapolating values forward for these wells, the wells missing recent data are removed from the analysis. When this occurs, we term these “hanging wells”, and they are denoted by orange colored well symbols in the plume map videos in ***Appendix A.*** In the plume videos in ***Appendix A***, 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 data are no longer used for that well location. This allows the viewer to observe where historical data were collected and where potential data gaps may exist. Plotting “hanging” wells on the maps allows the viewer to quickly assess if data gaps can be resolved using the existing well network by sampling a “hanging” well again.

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 at the end of the dataset, they had little impact on the interpretation of the trends. However, it is recommended that the anomalous results in the C-TZ unit be handled in the same manner as the B-CZ/B-TZ unit when the analysis is updated in the future.

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 are concluded when the calculated confidence factor is greater than 90%. If the confidence factor is less than 90%, the plume is considered stable if the coefficient of variation is less than one, otherwise it is considered indeterminate (i.e. “no trend”).

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 necessarily 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 2022 for A-TZ, 2012 to 2022 for B-CZ/B-TZ, and 2004 to 2022 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 – 2022)			
2,4-Dimethylphenol	Stable	Stable	Stable
2-Methylnaphthalene	Stable	Stable	Stable
Benzene	No Trend	Stable	Stable
Dibenzofuran	Stable	Stable	Stable
Naphthalene	Stable	Stable	Stable
B-CZ/B-TZ (2012 – 2022)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Stable	No Trend	No Trend
Benzene	Stable	Stable	Stable
Dibenzofuran	No Trend	No Trend	No Trend
Naphthalene	Stable	Stable	Stable
C-TZ (2004 – 2022)			
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

As observed above, all trends in the A-TZ zone were identified as stable or not statistically significant. Similarly, all trends in the B-CZ/B-TZ zone were identified as stable, not statistically significant, or decreasing. The C-TZ zone has decreasing or statistically insignificant 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 stable or decreasing in both the A-TZ and B-CZ/B-TZ groundwater units and is not statistically significant (no trend) in the C-TZ groundwater unit. 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 36% since 2014. All areas of the plume show mass decreases since 2012 except for the areas surrounding and downgradient from MW-79A in the A-TZ unit. Although these increases are minimal, the historic data from MW-79A does not indicate an increasing trend.
- B-CZ/B-TZ – The 2,4-dimethylphenol plume decreased in mass by 41% since 2012. The B-TZ 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 18,000 µg/L in 2022.
- 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 stable or no significant trend in the A-TZ and B-CZ/B-TZ groundwater unit and decreasing in the C-TZ groundwater unit. Below are the observations of the Spatial Change Indicator™ analyses:

- A-TZ - The 2-methylnaphthalene plume decreased in mass by 53% since 2014. All areas of the plume show mass decreases since 2014 except for the areas surrounding and downgradient from M20A in the A-TZ unit. Although 2-methylnaphthalene increased from 191 µg/L to 260 µg/L since 2013, the concentration has been as high as 920 µg/L in 2000 and the overall trend appears to be decreasing.
- B-CZ/B-TZ – Although the mass of 2-methylnaphthalenehas increased since 2012, the overall trend since 2012 appears to be stable. For example, the mass indicator increased from 50.2 lbs. in 2012 to 213 lbs. in 2014. The mass indicator then steadily decreased to 60.5 lbs. in

2021 before increasing to the current level of 241 lbs. 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.

- C-TZ – Most of the 2-methylnaphthalene plume decreased. It appears that the plume increased in mass due to the anomalously high concentration detected in MW-45C as discussed above.

3.3 Benzene

As observed above, the benzene plume mass indicator is observed to be stable 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 11% 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, MW-78A, and MW-79A within the Englewood Intermodal Yard area.
- B-CZ/B-TZ - The benzene plume in the B-CZ/B-TZ groundwater unit increased in mass 32% since 2012. This increase 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 northern and southern edge of the benzene plume show decreasing mass, while the eastern and western 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 66% in mass from 2004 to 2022. 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 2004, except for MW-45C which has increased from 126 µg/L to 170 µg/L.

3.4 Dibenzofuran

As observed above, the dibenzofuran plume mass indicator is statistically stable with a visible decreasing trend in the A-TZ unit, increasing 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 61% since 2014. The majority of the mass decrease occurred in the areas downgradient to the northeast.
- B-CZ/B-TZ – Although the mass of 2-methylnaphthalene has increased since 2012, the overall trend since 2012 appears to be stable. For example, the mass indicator increased from 16.8 lbs. in 2012 to 81.8 lbs. in 2014. The mass indicator then steadily decreased to 29.1 lbs. in 2021 before increasing to the current level of 111 lbs. 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.
- C-TZ - The dibenzofuran plume in the C-TZ groundwater unit decreased by 90% in mass from 2004 to 2022.

3.5 Naphthalene

As observed above, the naphthalene plume mass indication is stable in the A-TZ unit, statistically insignificant in the B-CZ/B-TZ unit, and decreasing in the C-TZ unit. The Spatial Change Indicator™ analyses provided the following results:

- A-TZ - The naphthalene plume in the A-TZ groundwater unit decreased 53% since 2014. The majority of the mass decrease occurred in the areas downgradient to the northeast.
- B-CZ/B-TZ - Although the mass of naphthalene has increased by 29% since 2012, the overall trend since 2012 appears to be stable. Most of the mass decrease is observed along the leading edge of the plume. The majority of the plume mass in the B-TZ groundwater unit is located in the Class 3 groundwater zone, and most of the plume is below the Class 3 groundwater RAL.
- C-TZ - Most of the naphthalene plume has decreased over time. As discussed above, the apparent increase in plume mass is solely due to the anomalously high concentration detected in MW-45C in the most recent sampling event.

4.0 LIMITATIONS

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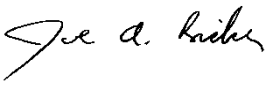

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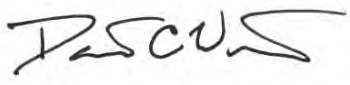

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Appendix A

UPRR Houston Analytics PowerPoint File

Appendix B

UPRR Houston Ricker Method® Input Data

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	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999
MW-01A	16	37	201	9	<1.0	7	7.7	7	14	20	4	<1.0	12	4	<10 (6.0)	<5.0	10	6	7	<5.0	<5.0	<5.0	<5.0	<5.0	9	11	15	11	124	NS (64)
MW-02	19	2	692	80	223	55	29	111	50	80	45	27	23	33	<10	<5.0	6	<5.0	<5.0 (4.7)	<5.0 (4.3)	<5.0 (4.0)	<5.0 (3.7)	<5.0 (3.3)	<5.0 (3.0)	<5.0 (2.7)	<5.0 (2.3)	<5.0 (2.0)	<5.0 (1.7)	1	NS (0.70)
MW-03	17	<1.0	44	12	150	<1.0	5	14	<1.0	30	15	9	<1.0	26	<10	<5.0	6	<5.0	<5.0 (4.7)	<5.0 (4.3)	<5.0 (4.0)	<5.0 (3.7)	<5.0 (3.3)	<5.0 (3.0)	<5.0 (2.7)	<5.0 (2.3)	<5.0 (2.0)	<5.0 (1.7)	<1.0	NS (0.93)
MW-04	13	41	14	70	<1.0	219	24	31	<1.0	2	<1.0	<1.0	<1.0	4	<10 (5.1)	<5.0	<5.0	<5.0	<5.0	<5.0	12	<5.0	<5.0 (4.5)	<5.0 (4.0)	<5.0 (3.5)	<5.0 (3.0)	<5.0 (2.5)	<5.0 (2.0)	<1.0	NS (0.70)
MW-05	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	<5.0 (1.0)	<1.0	NS (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<1.0	NS (0.93)
MW-07	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	NS (3.0)	3	<10 (2.9)	<5.0 (2.8)	<5.0 (2.6)	<5.0 (2.5)	<5.0 (2.4)	<5.0 (2.2)	<5.0 (2.1)	<5.0 (2.0)	<5.0 (1.9)	<5.0 (1.8)	<5.0 (1.6)	<5.0 (1.5)	<5.0 (1.4)	<5.0 (1.2)	<1.0	NS (0.70)
MW-08	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	2	<10 (2.1)	<5.0 (2.2)	<5.0 (2.3)	<5.0 (2.5)	<5.0 (2.6)	<5.0 (2.7)	<5.0 (2.8)	<5.0 (2.9)	<5.0 (3.0)	<5.0 (3.2)	<5.0 (3.3)	<5.0 (3.4)	<5.0 (3.5)	<5.0 (3.6)	3.9	NS (2.1)
MW-09	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<1.0	NS (0.93)
MW-10A	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<1.0	NS (0.93)
MW-11A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	18	NS (11)
MW-12A	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	<5.0 (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	<5.0 (0.80)
MW-13	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	<5.0 (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	<0.40
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	6.8	NS (6.1)	NS (5.3)	NS (3.8)	3
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	10	NS (48)	NS (86)	NS (162)	200
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	580	NS (505)	NS (428)	NS (275)	200
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	700	NS (680)	NS (660)	NS (620)	600
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	NA	NA	NA	NA	30
MW-22A	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	<5.0 (0.80)
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	NA	NA	NA	NA	NA
MW-24AR	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)
MW-25A	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)
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	NA	NA	NA	NA	NA
MW-27A	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)
MW-28A	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)
MW-29A	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)
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	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	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	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	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	NA	NA	NA	NA
MW-35A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
MW-36A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
MW-38A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
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	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	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	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	NA	NA	NA	NA
MW-51A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
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	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	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	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	NA	NA	NA	NA
MW-59A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
MW-60A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
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	NA	NA	NA	NA
MW-61A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
MW-64A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
MW-68A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-69A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
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	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	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	NA	NA	NA	NA
MW-84A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-88A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-91A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-94A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-95A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-97A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-98A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
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	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Benzene A-TZ Input Data

	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	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022
MW-01A	2	2	1	<2.0	<2.0	<2.0	<1.4	4.2	NS (1.9)	NS (0.81)	<0.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	<0.40	4	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-03	<5.0 (0.87)	<0.80	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	<2.6	<0.25	NS (0.25)	NS (0.24)	NS (0.24)	NS (0.24)	NS (0.23)	NS (0.23)	NS (0.23)	NS (0.23)	NS (0.23)	NS (0.22)	NS (0.22)	NS (0.22)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-04	<0.40	<0.80	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	<2.6	<0.25	NS (0.25)	NS (0.24)	NS (0.24)	NS (0.24)	NS (0.23)	NS (0.23)	NS (0.23)	NS (0.23)	NS (0.22)	NS (0.22)	NS (0.22)	NS (0.22)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-05	<5.0 (0.87)	<0.80	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	<2.6	<0.25	NS (0.36)	NS (0.46)	NS (0.68)	NS (0.79)	NS (0.89)	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-07	<0.40	<0.80	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)
MW-08	<0.40	<0.80	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	NS (1.3)	NS (1.2)	<1.1	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)	NS (1.1)
MW-09	<5.0 (0.87)	<0.80	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	<2.6	<0.25	NS (0.36)	NS (0.46)	NS (0.68)	NS (0.79)	NS (0.89)	<1.0	<1.0	<0.50	<0.080	NS (0.092)	NS (0.10)	NS (0.12)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-10A	<5.0 (0.87)	<0.80	<0.80	<2.0	<2.0	<2.0	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)
MW-11A	3	1	3	3	2	2	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)
MW-12A	NS (0.80)	<0.80	1	<2.0	2	2	NS (2.2)	NS (2.3)	<2.6	<0.25	<0.25	0.73	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<2.5	0.24	0.096	0.48	0.12	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-13	NS (0.60)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (2.2)	NS (2.3)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.080	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-15A	NS (3.5)	4	4	3	3	3	NS (2.9)	NS (2.8)	<2.6	1.6	<0.25	1.8	1.7	NS (1.2)	0.74	1.6	1.2	1.6	1.6	1.3	1.1	1.6	0.6	<0.20	0.74	0.34	0.64	0.78	0.92	0.53	<0.20
MW-16	NS (127)	55	5	72	13	44	NS (44)	NS (44)	44	38	110	48	58	NS (42)	25	68	25	56	38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	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	324	576	610	350	540	<0.20	410	300	480	420	500
MW-18A	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	239	483	220	1,200	160	410	590	63	290	480	540
MW-20A	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)	NS (72)	NS (71)	62	24	13	20	24	18	13	7.7	8.2
MW-22A	NS (0.80)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (1.5)	NS (1.2)	NS (0.57)	<0.25	<1.1	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	NS (0.40)	NS (0.30)	<0.20	3	NA	NA	NA	NA	NA	NA	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	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-24AR	<5.0 (0.80)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (1.5)	NS (1.2)	NS (0.57)	<0.25	NS (0.37)	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-25A	<0.40	<0.80	<0.80	<2.0	<2.0	<2.0	NS (2.2)	NS (2.3)	<2.6	<2.6	<0.25	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	0.47	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-26A	1	4	<0.80	2	<2.0	<2.0	NS (2.2)	NS (2.3)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50	42	<1.0	<0.50	1.2	9.7	0.43	0.19	<0.20	<0.20	0.36	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-27A	NS (0.80)	NS (0.80)	<0.80	<2.0	<2.0	<2.0	NS (2.2)	NS (2.3)	<2.6	<2.6	<1.1	NS (1.1)	NS (0.97)	NS (0.93)	NS (0.88)	NS (0.83)	NS (0.78)	NS (0.73)	NS (0.68)	NS (0.64)	NS (0.59)	NS (0.54)	<0.20	NS (0.20)	<0.20	<0.20	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20
MW-28A	NS (2.0)	NS (2.0)	<2.0	<2.0	<2.0	<2.0	NS (2.2)	NS (2.3)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-29A	NS (2.0)	NS (2.0)	<2.0	<2.0	<2.0	<2.0	NS (2.2)	NS (2.3)	<2.6	<2.6	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
MW-30A	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	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	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	<1.0	<0.50	23	0.48	<0.20	40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-33A	NA	NA	NA	NA	NA	NA	12	NS (18)	30	<0.25	6.2	0.74	3.4	NS (4.5)	5.6	9.1	54	2.3	7.8	174	223	3.9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-35A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	0.37	0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.44	<0.20	<0.20
MW-36A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-38A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	6.8	7.5	6.4	3	2.6	NS (1.6)	<0.50	2	4.2	4.4	2.1	8.5	7.3	4.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
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	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-49A	NA	NA	NA	NA	NA	NA	NA	NA	81	11	165	240	290	NS (174)	57	200	<50	42	114	94	57	108	16	4	<0.20	300	130	120	5.5	62	55
MW-50A	NA	NA	NA	NA	NA	NA	NA	NA	<2.6	<0.25	<1.1	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.080	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-51A	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	<2.6	<0.25	NS (0.37)	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.080	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	696	58	NS (44)	NS (31)	4.7	NS (4.0)	NS (3.2)	2.5	1.7	5.3	4.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	72	NS (71)	NS (71)	70	150	170	133	145	72	88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	470	NS (351)	230	84	140	64	138	137	109	41	NS (13)	NS (4.6)	0.57	38	1.9	6.5	1.1	8.3	1.5
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52	75	NS (55)	34	<5.0	120	160	94	0.081	<0.080	259	12	1.1	4.9	5.3	3	1.4	1.8	17	9.2
MW-59A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-60A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	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	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-61A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-64A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	0.15	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-68A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	0.39	<0.20	<0.20
MW-69A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	<0.50	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	NS (0.20)	<0.20	<0.20	0.3	<0.20	<0.20
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.080	63	<0.20	63	58	21	<0.20	44	54	15
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	57	NS (32)	NS (25)	NS (22)	18	150	190	93	270	220
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49	1,000	450	13	120	180	320	300	100	290
MW-84A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-88A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-91A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-94A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-95A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-97A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20
MW-98A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	0.24	<0.20	<0.20	<0.20	<0.20
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	NS (263)	NS (267)	270	150	260	238	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2,4-Dimethylphenol 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	1H-1997	2H-1997	1H-1998	1H-1999
MW-01A	11	10	<10	48	95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	37	19	22	<10	<10	<10	<10	<10	19	<100	<200	<10	<10
MW-02	<10	2,721	250	110	270	99	29	256	260	60	37	320	142	46	<100	<10	11	<10	<10	<10	<10	<10	<10	<10	<10	16	<10	<10	10
MW-03	<10	94	82	550	<10	<10	<10	<10	170	100	<10	12	<10	<10	<100	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	<10	<10
MW-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
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	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
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	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
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	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10
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	<10	<10	<10	<10	<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)	NS (10)	NS (10)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<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)	NS (10)	NS (10)	<10	<10	<10	<10	<10	<10	<100	<10	<10	<10
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	NA	12	NS (12)	NS (11)	NS (10)
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)	NS (10)	<10	NS (8.2)	NS (6.4)	NS (2.8)
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)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8.2)	NS (6.4)	NS (2.8)
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	29	NS (43)	NS (58)	NS (86)
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	7,140	NS (6,516)	NS (5,882)	NS (4,624)
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	9,210	NS (10,956)	NS (12,732)	NS (16,254)
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	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)	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	NA	NA	NA	NA	NA
MW-24AR	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)
MW-25A	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)
MW-26A	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)
MW-27A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)
MW-28A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)
MW-29A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)
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	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	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	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	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	NA	NA	NA
MW-35A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)
MW-36A	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)
MW-38A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)
MW-44A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)
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	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	NA	NA	NA
MW-50A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)
MW-51A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)
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	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	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	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	NA	NA	NA
MW-59A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-60A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
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	NA	NA	NA
MW-61A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-64A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-68A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-69A	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)
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	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	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	NA	NA	NA
MW-84A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-88A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-91A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-94A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-95A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-97A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-98A	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
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	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2,4-Dimethylphenol A-TZ Input Data

	2H-1999	1H-2000	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	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022
MW-01A	NS (5.5)	<0.90	<0.12	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	NS (5.5)	<0.90	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-03	NS (5.5)	<1.0	<0.12	<0.30	<0.050	<0.30	NS (0.29)	NS (0.27)	NS (0.25)	NS (0.24)	NS (0.22)	NS (0.21)	NS (0.20)	NS (0.18)	NS (0.17)	NS (0.16)	NS (0.14)	NS (0.13)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-04	NS (5.5)	<0.90	<0.12	<0.30	<0.050	<0.29	NS (0.28)	NS (0.26)	NS (0.24)	NS (0.23)	NS (0.21)	NS (0.20)	NS (0.19)	NS (0.18)	NS (0.16)	NS (0.15)	NS (0.14)	NS (0.13)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-05	NS (5.5)	<1.0	<0.12	<0.30	<0.18	<0.29	NS (0.26)	NS (0.22)	NS (0.15)	NS (0.12)	NS (0.084)	<0.050	<0.050	<0.050	<0.29	<0.30	<0.29	<0.30	<0.040	<0.040	<0.059	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-07	NS (5.5)	<0.90	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-08	NS (5.5)	<0.90	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-09	NS (5.5)	<1.0	<0.12	<0.30	<0.18	<0.29	NS (0.26)	NS (0.22)	NS (0.15)	NS (0.12)	NS (0.084)	<0.050	<0.050	<0.050	<0.30	NS (0.27)	NS (0.25)	NS (0.22)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.33	<0.040	<0.040	<0.040
MW-10A	NS (5.5)	<1.0	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-11A	NS (5.5)	<1.0	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-12A	<10	NS (9.3)	NS (4.1)	NS (2.8)	<0.18	<0.30	<0.29	<0.080	<0.080	NS (0.090)	0.1	<0.050	<0.050	0.056	<0.29	<0.30	<15	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<4.0
MW-13	<1.0	NS (0.94)	NS (0.51)	NS (0.40)	<0.18	<0.29	<0.29	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	NS (0.18)	<0.30	<0.60	<0.30	<0.040	<0.040	<0.063	<0.040	0.37	<0.040	<0.040	<0.040	<0.040	<0.040
MW-15A	<1.0	NS (1.0)	NS (1.4)	NS (1.5)	1.7	<0.30	0.42	<0.080	<0.080	NS (0.080)	<0.080	<0.050	0.59	0.56	2	<0.30	<15	<0.29	<0.040	<0.040	<0.24	<0.040	<0.040	<0.040	<0.040	3.3	<0.040
MW-16	100	NS (93)	NS (40)	NS (27)	<0.18	<0.29	<1.6	3.9	5.4	NS (3.8)	2.2	12	0.77	5.4	<0.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	4,000	NS (3,731)	NS (1,599)	NS (1,065)	<0.050	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	<0.040	11,000	2,200	850	2,600	4,800
MW-18A	18,000	NS (17,296)	NS (11,710)	NS (10,311)	7,520	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	5.4	720	1,800	7,900	8.2	1,800	1,800	3,300
MW-20A	100	NS (114)	NS (225)	NS (253)	308	134	NS (158)	NS (182)	NS (229)	NS (253)	NS (276)	300	76	100	119	NS (114)	NS (110)	NS (105)	72	7.6	3.5	1.8	10	3.8	7.4	<0.040	1.5
MW-22A	<10	NS (9.4)	NS (4.9)	NS (3.7)	NS (1.4)	<0.29	<0.28	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	NS (0.14)	NS (0.22)	<0.30	<0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	<0.040	<0.040	<0.040	<0.040	<0.041	<0.040	<0.040	<0.040
MW-24AR	NS (1.0)	<1.0	NS (0.65)	NS (0.56)	NS (0.38)	<0.29	NS (0.19)	<0.080	<0.080	NS (0.080)	<0.080	<0.050	0.13	<0.050	NS (0.17)	<0.29	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-25A	NS (0.90)	<0.90	NS (0.41)	NS (0.29)	<0.050	<0.29	<0.33	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30	<0.31	<0.30	<0.30	3.3	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-26A	NS (1.0)	<1.0	NS (0.46)	NS (0.32)	<0.050	<0.30	<0.30	0.54	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<15	<0.29	<0.31	<0.30	0.056	<0.040	<0.040	<0.040	<0.040	0.2	<0.040	<0.040	<0.040	<0.040
MW-27A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050	<0.43	<0.30	NS (0.29)	NS (0.26)	NS (0.25)	NS (0.23)	NS (0.22)	NS (0.20)	NS (0.19)	NS (0.18)	NS (0.16)	NS (0.15)	NS (0.14)	<0.040	NS (0.040)	<0.040	<0.040	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040
MW-28A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.30	<0.32	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<3.0	<0.29	<0.30	<0.30	12	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.40	<0.040
MW-29A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.57	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)
MW-30A	NA	NA	6,489	NS (6,312)	5,960	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	NS	NS	NS	NS	NS	NS
MW-31A	NA	NA	3,718	NS (4,173)	5,080	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	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	5,865	NS (3,906)	<0.050	9,570	12,600	2,200	2,100	15,000	2,300	31,000	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	1.2	0.061	17	<0.29	<0.29	72	<0.040	0.13	<0.040	<0.040	<0.040	<0.040	0.44	<0.040	<0.040	<0.040
MW-33A	NA	NA	<0.12	NS (0.50)	1.3	<0.50	<0.29	<0.080	<0.080	NS (1.4)	2.7	4.6	29	<0.050	20	888	1,540	61	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-35A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.30	<0.28	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30	<0.30	<0.29	<0.30	<0.040	2.1	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-36A	NS (0.27)	NS (0.27)	NS (0.27)	NS (0.27)	0.27	<0.30	<0.29	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.29	<0.29	<0.29	<0.30	<0.040	<0.040	<0.040	<0.052	<0.042	<0.040	<0.040	<0.040	<0.040	<0.040
MW-38A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.29	<0.28	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30	<0.29	<0.30	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	<0.041	<0.040	<0.040	<0.040	<0.040
MW-44A	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.30	<0.32	<0.080	<0.080	NS (0.44)	0.81	<0.050	<0.050	<0.050	<3.0	<3.1	<0.30	<0.30	<0.040	<0.040	<0.040	<0.42	<0.040	<0.040	<0.13	<0.040	<0.40	<0.040
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	0.2	0.059	<0.040	<0.040	<0.040	<0.040
MW-49A	NA	NA	NA	NA	805	25	6,080	6,800	3,700	NS (1,954)	180	3,000	<0.050	37	1,420	903	2,100	1,230	97	<0.040	<0.040	5,700	580	2,000	3.4	350	160	
MW-50A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050	<0.29	<0.33	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	0.083	<0.30	<0.30	<0.29	<0.31	<0.040	<0.040	<0.040	<0.71	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-51A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050	<0.29	NS (0.19)	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30	<0.30	<0.29	<0.29	<0.040	<0.040	<0.040	<0.040	<0.040	<0.041	<0.040	<0.040	<0.040	<0.040
MW-52A	NA	NA	NA	NA	<0.050	1,540	NS (1,158)	NS (771)	4.6	NS (4.6)	NS (4.5)	4.5	3.4	29	48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NA	NA	NA	NA	NA	NA	NA	1,200	280	NS (346)	NS (414)	480	1,800	960	<0.29	956	519	463	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	NA	NA	NA	NA	NA	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 (4.9)	<0.59	410	<0.040	58	<0.040	110	29	
MW-58A	NA	NA	NA	NA	NA	NA	NA	47	610	NS (645)	680	<0.050	1,100	2,400	950	<0.31	<0.29	9,190	1.5	0.1	<0.040	<0.040	0.67	0.23	0.15	12	<0.040	
MW-59A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	<0.080	NS (0.080)	<0.080	0.066	<0.050	<0.050	<0.29	<0.30	<0.29	<0.31	<0.040	<0.040	<0.040	<0.040	0.16	<0.040	<0.040	0.05	<0.040	
MW-60A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	1	<0.18	<0.30	<0.29	<0.29	<0.040	<0.040	<0.040	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	<0.040	<0.040	<0.040	<0.040	0.11	<0.040	
MW-61A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	<0.080	<0.080	<0.080	<0.050	<0.050	<0.050	<0.30	<0.30	<0.29	<0.31	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	
MW-64A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	<0.080	<0.080	<0.080	<0.050	<0.050	<0.050	<0.30	<0.31	<0.29	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	
MW-68A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	0.23	<0.040	<0.040	<0.040	0.099	
MW-69A	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	NS (3.6)	3.6	<0.080	<0.050	<0.050	0.078	<0.30	<0.31	<0.30	<0.29	<0.040	<0.040	<0.040	NS (0.11)	0.18	<0.040	<0.040	26	<0.040	
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<15	15	<0.042	62	55	1.3	41	8.9	27	<0.40	
MW-78A	NA	NA	NA	NA	NA	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	930	4,600	81	1,900	3,300	
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,110	20,000	2,500	330	6,700	1,200	7,200	14,000	1,900	6,800	
MW-84A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	
MW-88A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	0.29	<0.040	<0.040	0.081	<0.040	
MW-91A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	0.26	<0.040	<0.040	<0.040	
MW-94A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	
MW-95A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	
MW-97A	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.042	<0.040	<0.040	<0.040	
MW-98A	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	0.078	<0.040	<0.040	<0.040	<0.040	<0.040	
TW-56A	NA	NA	NA	NA	NA	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	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.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2-Methylnaphthalene 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	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2005
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	<0.30	33	2	5.2	88
MW-02	1,300	16	940	<10	<100 (10)	<10	12	21	73	<10	11	<10	120	<10	<10	<10	<10	<10	10	NS (5.2)	0.4	5	0.9	1	0.6	0.4	1.7	0.11
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 (5.8)	<1.5	<0.30	<0.30	<0.30	<0.30	0.07	<0.067	1.8
MW-04	72	<10	52	28	<100 (19)	<10	89	110	<10	<10	33	<10	55	14	21	<10	<10	<10	<10	NS (5.2)	<0.40	<0.20	<0.30	<0.30	<0.20	<0.070	<0.067	<0.070
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 (5.8)	<1.5	<0.30	<0.30	<0.30	<0.30	0.09	<0.067	<0.070
MW-07	NA	NA	NA	48	<100 (29)	<10	<5.0	16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.2)	<0.40	<0.30	<0.30	<0.30	<0.30	<0.070	<0.067	<0.070
MW-08	NA	NA	NA	<20	<100 (39)	59	<5.0	<10	<10	10	<10	<10	<10	<10	<10	110	<10	16	42	NS (21)	<0.40	<0.30	<0.30	<0.30	<0.20	<0.070	<0.067	<0.070
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 (5.8)	<1.5	<0.30	<0.30	<0.30	<0.30	<0.070	<0.067	<0.070
MW-10A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	126	25	<10	<10	24	<10	<10	<10	<10	NS (5.1)	0.2	<0.30	<0.30	<0.30	<0.30	<0.070	<0.067	<0.070
MW-11A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	91	65	46	<10	59	<100 (35)	11	<10	17	NS (9.8)	2.1	1	14	140	27	73	<0.070	1.5
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	370	NS (308)	NS (266)
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 (8.2)	NS (6.4)	NS (2.8)	<1.0	NS (0.65)	<0.30	<0.30	<0.20	<0.20	<0.070	NS (0.067)	NS (0.064)
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	240	NS (163)	NS (112)
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	140	NS (146)	NS (150)
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)	NS (855)	NS (782)	NS (734)
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	880	NS (733)	NS (635)
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	840	NS (758)	NS (703)
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 (5.1)	<0.20	0.6	<0.20	<0.30	<0.070	NS (0.16)	NS (0.22)
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	NA	NA	NA
MW-24AR	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	<1.5	<0.20	<0.30	<0.30	<0.30	<0.070	NS (0.15)	NS (0.21)
MW-25A	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	<0.40	4	10	4	<0.20	0.6	NS (0.43)	NS (0.31)
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	<0.30	<0.20	<0.070	NS (0.18)	NS (0.26)
MW-27A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.073)	NS (0.076)
MW-28A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.20	<0.30	<0.070	NS (0.067)	NS (0.064)
MW-29A	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.30	<0.20	<0.070	NS (0.067)	NS (0.064)
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	1,378	NS (1,233)
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	473	NS (597)
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	1,896	NS (1,266)
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	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	9.7	NS (14)
MW-35A	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)
MW-36A	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)
MW-38A	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)
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	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	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	NA	NA
MW-50A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
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	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	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	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	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	NA	NA
MW-59A	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)
MW-60A	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)
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	NA	NA
MW-61A	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)
MW-64A	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)
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	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	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	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	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	NA	NA
MW-84A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-88A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-91A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-94A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-95A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-97A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-98A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
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	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2-Methylnaphthalene A-TZ Input Data

	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	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022
MW-01A	56	1.7	21	0.26	<1.3	0.56	11	6.9	1.9	1.9	2.6	<0.90	6.8	<0.50	12	1.3	39	15	8.7	0.24	0.21	0.21	0.74	0.19	1.5	<0.019	3.9	0.11	6.2
MW-02	<0.070	0.46	0.62	<0.080	2.4	<0.38	<0.39	<0.80	2.5	<0.90	<0.90	<0.90	2.1	<0.50	<0.50	3.2	0.9	<0.065	0.51	5.1	0.38	<0.019	0.11	<0.019	0.81	<0.019	<0.019	<0.019	0.81
MW-03	NS (1.4)	NS (0.95)	NS (0.52)	<0.080	NS (0.24)	<0.40	NS (0.38)	NS (0.36)	NS (0.34)	NS (0.32)	NS (0.30)	NS (0.29)	NS (0.27)	NS (0.25)	NS (0.23)	NS (0.21)	NS (0.19)	NS (0.17)	NS (0.15)	<0.019	NS (0.019)	<0.019	<0.035	0.045	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-04	NS (0.072)	NS (0.075)	NS (0.077)	<0.080	NS (0.23)	<0.38	NS (0.37)	NS (0.35)	NS (0.34)	NS (0.32)	NS (0.31)	NS (0.29)	NS (0.28)	NS (0.26)	NS (0.25)	NS (0.23)	NS (0.22)	NS (0.20)	NS (0.19)	0.08	NS (0.050)	<0.019	<0.059	0.26	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-05	NS (0.077)	NS (0.085)	NS (0.092)	0.1	NS (0.24)	<0.38	NS (0.33)	NS (0.29)	NS (0.24)	NS (0.19)	NS (0.14)	NS (0.097)	<0.050	0.085	<0.050	0.47	<0.067	0.19	<0.069	<0.019	NS (0.019)	<0.019	0.087	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-07	<0.070	<0.070	<0.080	<0.080	<1.3	<0.38	<0.39	<0.80	<0.90	<0.90	<0.90	<0.90	<0.50	<0.50	<0.50	<0.066	<0.070	NS (0.068)	<0.066	<0.019	<0.019	<0.019	0.023	0.066	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-08	<0.070	<0.070	<0.080	<0.080	<1.3	<0.44	<0.40	<0.80	<0.90	<0.90	<0.90	<0.90	<0.50	<0.50	<0.50	<0.066	<0.069	<0.065	<0.066	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	0.033	<0.019	<0.019
MW-09	NS (0.068)	NS (0.065)	NS (0.063)	<0.060	NS (0.22)	<0.38	NS (0.33)	NS (0.29)	NS (0.24)	NS (0.19)	NS (0.14)	NS (0.097)	<0.050	<0.050	<0.050	0.12	NS (0.11)	NS (0.096)	NS (0.086)	<0.019	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	0.024
MW-10A	<0.070	<0.070	<0.080	<0.080	<1.3	<0.40	<0.38	<0.80	<0.90	<0.90	<0.90	<0.90	<0.50	<0.50	<0.50	<0.067	1.8	<0.065	2.6	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	0.16
MW-11A	0.19	<0.070	<0.080	<0.080	<1.3	<0.38	<0.40	<0.80	<0.90	<0.90	<0.90	<0.90	<0.50	<0.50	<0.50	<0.066	<0.067	<0.065	<0.066	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	0.055
MW-12A	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)	<0.019	13	2.3	12	13	41	18	60
MW-13	NS (0.063)	NS (0.062)	NS (0.061)	<0.060	NS (0.22)	<0.38	<0.39	<0.070	NS (0.41)	0.76	NS (0.42)	0.075	0.26	<0.050	0.063	<0.066	<0.068	0.14	<0.69	<0.019	NS (0.019)	<0.019	0.077	0.054	0.42	<0.019	<0.019	<0.019	0.076
MW-15A	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	7.6	NS (8.7)	9.8	7.7	18	14	13	20	4	0.16
MW-16	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	NS	NS	NS	NS	NS	NS	NS
MW-17	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	390	<0.019	620	210	94	290	370
MW-18A	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	470	360	540	450	280	440	400
MW-20A	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	72	75	230	80	190	94	250
MW-22A	NS (0.24)	NS (0.27)	NS (0.30)	NS (0.33)	NS (0.36)	<0.39	<0.38	<0.070	NS (0.070)	<0.070	NS (0.39)	0.72	<0.050	<0.050	<0.59	NS (0.42)	NS (0.24)	<0.069	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.019	NS (0.019)	<0.019	<0.019	<0.12	<0.019	<0.019	<0.019	<0.019	<0.75
MW-24AR	NS (0.24)	NS (0.27)	NS (0.30)	NS (0.32)	NS (0.35)	<0.38	NS (0.23)	<0.070	NS (0.15)	0.23	NS (0.21)	0.18	<0.050	<0.050	<0.050	<0.067	<0.066	0.092	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)	NS (0.092)
MW-25A	NS (0.25)	NS (0.20)	NS (0.14)	<0.080	NS (0.23)	<0.38	<0.44	24	NS (12)	<0.070	NS (0.070)	<0.070	<0.050	<0.050	<0.061	<0.067	<0.070	<0.067	<0.068	690	NS (348)	<0.051	0.057	<0.019	0.15	<0.019	<0.019	<0.019	<0.11
MW-26A	NS (0.29)	NS (0.33)	NS (0.37)	0.41	NS (0.40)	<0.40	<0.40	2.4	NS (1.2)	<0.070	NS (0.19)	0.31	0.39	<0.050	0.056	<3.4	0.41	<0.070	<0.068	0.053	NS (0.071)	<0.090	0.059	<0.042	<0.019	<0.087	0.068	<0.019	<0.019
MW-27A	NS (0.077)	NS (0.078)	NS (0.079)	<0.080	NS (0.32)	<0.57	<0.40	NS (0.38)	NS (0.36)	NS (0.34)	NS (0.32)	NS (0.30)	NS (0.28)	NS (0.26)	NS (0.24)	NS (0.22)	NS (0.20)	NS (0.18)	NS (0.16)	<0.019	NS (0.13)	NS (0.23)	0.34	<0.019	NS (0.059)	NS (0.100)	0.14	<0.019	<0.019	<0.019
MW-28A	NS (0.063)	NS (0.062)	NS (0.061)	<0.060	NS (0.23)	<0.40	<0.42	<0.070	NS (0.070)	<0.070	NS (0.35)	0.64	<0.050	<0.066	0.15	<0.67	<0.066	<0.067	<0.068	1	NS (0.53)	<0.055	0.2	<0.019	<0.019	<0.019	<0.019	<0.19	<0.019
MW-29A	NS (0.063)	NS (0.062)	NS (0.061)	<0.060	NS (0.41)	<0.76	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)	NS (0.76)
MW-30A	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	NS	NS	NS	NS	NS	NS	NS
MW-31A	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	NS	NS	NS	NS	NS	NS	NS
MW-32A	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	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.088	0.19	11	<0.066	0.21	206	6.8	NS (3.4)	<0.019	<0.019	<0.028	0.088	<0.019	0.42	<0.019	0.24
MW-33A	NS (17)	NS (19)	NS (21)	24	NS (12)	<0.67	<0.38	0.66	NS (0.79)	0.92	NS (3.8)	6.7	31	30	1.5	15	195	270	52	<0.019	NS (0.019)	<0.019	<0.019	<0.063	<0.019	<0.019	<0.019	<0.019	<0.019
MW-35A	NS (0.060)	NS (0.060)	NS (0.060)	<0.060	NS (0.23)	<0.40	<0.38	<0.070	NS (0.34)	0.61	NS (0.34)	<0.070	<0.050	<0.050	6.3	0.24	<0.069	0.35	0.15	1.9	NS (8.9)	16	0.12	<0.019	0.092	<0.029	0.48	0.7	0.08
MW-36A	NS (0.060)	NS (0.060)	NS (0.060)	<0.060	NS (0.23)	<0.40	<0.39	<0.070	NS (0.18)	0.3	NS (0.19)	<0.070	<0.050	<0.050	<0.050	<0.066	<0.066	<0.066	<0.18	0.022	NS (0.021)	<0.019	<0.019	<0.019	<0.020	<0.019	<0.019	<0.019	0.023
MW-38A	NS (0.060)	NS (0.060)	NS (0.060)	<0.060	NS (0.22)	<0.39	<0.38	0.44	NS (0.30)	0.16	NS (0.12)	0.085	<0.050	<0.050	<0.31	<0.067	0.12	<0.067	<0.068	0.14	NS (0.098)	0.055	<0.019	0.17	<0.019	<0.019	<0.019	<0.019	<0.44
MW-44A	NA	NA	NA	6	NS (15)	24	7.8	0.97	NS (2.5)	4	NS (2.1)	<0.070	2.3	4.8	9.5	<0.67	109	11	9	<0.019	NS (0.019)	<0.019	<0.019	<0.35	<0.019	<0.019	0.57	0.03	<0.19
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	<0.019	<0.019	0.023	<0.019	<0.019	<0.019
MW-49A	NA	NA	NA	442	NS (257)	69	492	600	NS (521)	440	NS (286)	130	270	<0.050	<0.050	218	216	267	293	7.9	NS (4.0)	<0.019	<0.019	130	95	170	41	130	160
MW-50A	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	NS (0.23)	<0.38	<0.44	<0.070	NS (0.070)	<0.070	NS (0.13)	0.19	<0.050	<0.050	3.9	0.11	<0.069	0.26	<0.069	<0.019	NS (0.019)	<0.019	<0.019	<0.19	<0.019	0.037	<0.019	<0.019	<0.019
MW-51A	NA	NA	NA	0.08	NS (0.23)	<0.38	NS (0.23)	<0.070	NS (0.100)	0.13	NS (0.10)	<0.070	<0.050	<0.050	<0.050	<0.067	<0.069	<0.066	<0.066	0.069	NS (0.044)	<0.019	0.067	<0.044	<0.019	0.064	<0.019	0.11	<0.019
MW-52A	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	NS	NS	NS	NS	NS	NS	NS
MW-55A	NA	NA	NA	NA	NA	NA	NA	630	NS (511)	390	NS (370)	NS (350)	330	250	310	<0.066	468	463	486	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	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)	190	180	150	180	110	2,000	150
MW-58A	NA	NA	NA	NA	NA	NA	NA	220	NS (215)	210	NS (134)	57	<0.050	82	7.6	243	<0.070	<0.066	373	140	NS (71)	0.072	15	80	48	22	5.7	27	8.8
MW-59A	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	<0.070	NS (0.13)	0.2	NS (0.99)	1.8	<0.050	<0.050	<0.050	<0.066	<0.069	<0.090	<0.069	0.11	NS (0.065)	<0.019	0.036	<0.16	<0.019	<0.019	<0.019	0.069	<0.019
MW-60A	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	0.28	NS (0.18)	<0.070	NS (0.070)	<0.070	<0.050	<0.050	2.1	0.59	<0.067	0.14	0.52	<0.019	NS (0.019)	<0.019	0.072	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	<0.019	<0.019	<0.019	<0.019	<0.019	0.02
MW-61A	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	0.41	NS (0.24)	<0.070	<0.070	<0.070	<0.050	<0.050	<0.050	<0.067	<0.067	<0.066	<0.070	<0.019	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-64A	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	NS (0.14)	0.14	NS (0.11)	<0.070	<0.070	<0.070	<0.050	0.053	<0.050	<0.067	<0.070	<0.066	<0.069	<0.019	NS (0.019)	<0.019	<0.019	0.37	<0.019	<0.019	<0.019	<0.019	0.022
MW-68A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.026	0.12	0.048	<0.019	<0.019	<0.019	<0.019	<0.019
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.8	0.074	<0.050	<0.050	0.9	<0.067	<0.070	<0.067	<0.066	<0.019	NS (0.019)	<0.019	<0.019	NS (0.019)	<0.019	<0.019	0.16	24	0.083
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	57	280	NS (141)	<0.020	200	220	2.3	280	82	150	63
MW-78A	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)	NS (199)	130	440	460	200	320	580
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	654	440	NS (271)	100	51	430	70	340	290	100	180
MW-84A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-88A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	0.45	<0.019	<0.019	0.074	<0.019
MW-91A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	11	<0.019	<0.019	<0.019
MW-94A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.038	<0.019	<0.019	<0.019
MW-95A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-97A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.020	<0.019	<0.019	0.54
MW-98A	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	NS (153)	NS (157)	160	110	52	123	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2005	2H-2005
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	170	19	101	133
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	14	19	16	2.5
MW-03	<10	250	205	170	67	<10	92	160	140	140	140	140	72	28	109	120	15	44	54	NS (29)	2.4	89	110	72	42	63	9.7	35	NS (28)
MW-04	<10	74	21	21	62	<10	44	46	<10	<10	15	<10	63	15	28	<10	<10	<10	<10	NS (5.1)	0.2	0.3	0.3	0.3	<0.30	<0.070	<0.076	<0.080	NS (0.075)
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 (5.8)	<1.5	<0.30	<0.30	<0.30	<0.30	0.09	<0.076	0.22	NS (0.20)
MW-07	NA	NA	NA	41	<100 (70)	100	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.3)	<0.60	1	<0.30	<0.30	<0.30	0.08	<0.076	<0.080	0.15
MW-08	NA	NA	NA	<20	<100 (52)	84	<5.0	<10	<10	24	<10	19	<10	<10	<10	140	<10	22	47	NS (24)	<0.60	<0.30	1	<0.30	<0.30	<0.070	<0.076	<0.080	<0.080
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 (5.8)	<1.5	<0.30	<0.30	<0.30	<0.30	<0.070	<0.076	0.26	NS (0.21)
MW-10A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65	54	13	<10	19	15	<10	<10	<10	NS (6.0)	1.9	0.6	<0.30	0.4	<0.30	<0.070	<0.076	<0.080	<0.080
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	99	0.46	12	9.6
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	220	NS (195)	NS (178)	NS (170)
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 (8.2)	NS (6.4)	NS (2.7)	<0.90	NS (0.60)	<0.30	<0.30	<0.30	<0.30	<0.070	NS (0.063)	NS (0.059)	NS (0.057)
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	110	NS (85)	NS (68)	NS (60)
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	200	NS (216)	NS (227)	NS (233)
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)	NS (189)	NS (183)	NS (179)	NS (178)
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	220	NS (223)	NS (226)	NS (227)
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	260	NS (262)	NS (264)	NS (265)
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 (5.1)	<0.30	0.3	<0.30	<0.30	<0.070	NS (0.13)	NS (0.17)	NS (0.19)
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	NA	NA	NA	NA
MW-24AR	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	<1.5	<0.30	<0.30	<0.30	<0.30	<0.070	NS (0.21)	NS (0.30)	NS (0.34)
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	2	NS (1.4)	NS (0.99)	NS (0.79)
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	5	NS (4.5)	NS (4.1)	NS (3.9)
MW-27A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.067)	NS (0.064)	NS (0.063)
MW-28A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.063)	NS (0.059)	NS (0.057)
MW-29A	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	0.5	0.4	<0.30	<0.070	NS (0.063)	NS (0.059)	NS (0.057)
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	262	NS (282)	NS (292)
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	255	NS (278)	NS (290)
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	339	NS (286)	NS (260)
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	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	5.3	NS (8.4)	NS (9.9)
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	NA	NA	NA
MW-36A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)
MW-38A	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)
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	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	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	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	NA	NA	NA
MW-51A	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)
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	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	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	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	NA	NA	NA
MW-59A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-60A	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)
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	NA	NA	NA
MW-61A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-64A	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)
MW-68A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
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	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	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	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	NA	NA	NA
MW-84A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-88A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-91A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-94A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-95A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-97A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-98A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
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	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Dibenzofuran A-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	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022
MW-01A	14	64	8.4	8.5	2.1	7.7	5.8	<0.70	1.6	6.7	<0.70	5.4	4.5	25	14	24	<9.5	13	1.6	15	1.9	5.8	3.6	9	0.65	5.9	4.5	2.9
MW-02	15	7.7	4.9	17	11	6.7	<0.70	<0.70	<0.70	<0.70	<0.70	3.8	<0.50	4.3	18	7.3	<0.15	3	1.9	1.6	0.46	0.41	0.39	0.6	0.49	<0.020	0.29	0.89
MW-03	NS (21)	NS (14)	6.5	NS (5.3)	4.2	NS (3.9)	NS (3.7)	NS (3.5)	NS (3.3)	NS (3.1)	NS (2.9)	NS (2.7)	NS (2.5)	NS (2.3)	NS (2.1)	NS (1.9)	NS (1.7)	NS (1.5)	<0.020	NS (0.020)	<0.020	<0.020	<0.020	0.13	<0.020	<0.020	<0.020	<0.020
MW-04	NS (0.070)	NS (0.065)	<0.060	NS (0.17)	<0.29	NS (0.28)	NS (0.27)	NS (0.26)	NS (0.25)	NS (0.24)	NS (0.22)	NS (0.21)	NS (0.20)	NS (0.19)	NS (0.18)	NS (0.17)	NS (0.16)	NS (0.15)	0.072	NS (0.046)	<0.020	<0.058	0.097	0.04	<0.020	<0.020	<0.020	0.027
MW-05	NS (0.18)	NS (0.16)	0.14	NS (0.21)	<0.29	NS (0.56)	NS (0.84)	NS (1.1)	NS (1.4)	NS (1.7)	NS (1.9)	2.2	0.11	<0.050	<0.076	0.083	0.16	<0.078	0.024	NS (0.022)	<0.020	0.051	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-07	0.09	<0.060	<0.060	<4.1	<0.28	<0.29	<0.70	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.50	<0.076	<0.080	NS (0.078)	<0.076	<0.020	<0.020	<0.020	<0.020	0.057	<0.020	<0.020	<0.020	<0.020	<0.020
MW-08	<0.080	<0.060	<0.060	<4.1	<0.33	<0.30	<0.70	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.50	<0.076	<0.078	<0.074	<0.076	<0.020	0.11	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-09	NS (0.16)	NS (0.10)	<0.050	NS (0.17)	<0.29	NS (0.26)	NS (0.22)	NS (0.19)	NS (0.15)	NS (0.12)	NS (0.084)	<0.050	<0.050	<0.050	0.13	NS (0.12)	NS (0.10)	NS (0.094)	<0.020	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-10A	<0.080	0.17	0.09	<4.1	<0.30	<0.29	<0.70	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.50	<0.076	8.7	<0.074	8.6	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.056
MW-11A	<0.080	0.57	1.9	<4.1	2.8	<0.30	<0.70	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.50	<0.076	<0.077	<0.074	0.62	<0.020	0.27	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-12A	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)	0.031	140	230	64	160	170	67	220
MW-13	NS (0.054)	NS (0.052)	<0.050	NS (0.17)	<0.29	<0.29	<0.080	NS (0.13)	0.19	NS (0.14)	<0.080	0.34	0.063	0.19	<0.076	<0.078	<0.15	<0.26	<0.020	NS (0.020)	<0.020	0.039	0.16	0.14	<0.020	<0.020	<0.020	<0.020
MW-15A	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	35	36	24	20	41	14	7.7
MW-16	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	NS	NS	NS	NS	NS	NS	NS
MW-17	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	120	<0.020	100	61	92	95	110
MW-18A	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	190	200	97	190	92	160	160
MW-20A	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	77	79	86	49	97	55	110
MW-22A	NS (0.21)	NS (0.23)	NS (0.25)	NS (0.27)	<0.29	<0.28	<0.080	NS (0.080)	<0.080	NS (0.11)	0.15	<0.050	0.074	<0.48	NS (0.65)	NS (0.83)	1	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	NS (0.024)	0.029	<0.020	<0.15	<0.020	<0.021	<0.020	<0.020	<0.51
MW-24AR	NS (0.39)	NS (0.43)	NS (0.48)	NS (0.53)	0.57	NS (0.33)	<0.080	NS (0.095)	0.11	NS (0.095)	<0.080	<0.050	<0.050	<0.050	<0.076	<0.076	0.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25A	NS (0.58)	NS (0.38)	0.18	NS (0.39)	0.6	<0.33	18	NS (9.2)	0.34	NS (0.21)	<0.080	1.3	0.5	<0.050	<0.077	<0.080	<0.076	<0.078	200	NS (101)	<0.020	<0.020	<0.020	0.11	<0.020	<0.020	<0.020	<0.020
MW-26A	NS (3.7)	NS (3.6)	3.4	NS (4.1)	4.9	1.2	2.6	NS (1.7)	0.78	NS (0.58)	0.38	21	1.4	0.84	4.2	15	<0.080	1.5	0.1	NS (0.30)	0.5	0.21	<0.044	<0.030	<0.12	<0.020	<0.020	<0.020
MW-27A	NS (0.062)	NS (0.061)	<0.060	NS (0.25)	0.44	<0.30	NS (0.29)	NS (0.27)	NS (0.26)	NS (0.24)	NS (0.23)	NS (0.21)	NS (0.20)	NS (0.18)	NS (0.17)	NS (0.15)	NS (0.14)	NS (0.12)	<0.020	NS (0.060)	NS (0.10)	0.14	<0.020	NS (0.28)	NS (0.55)	0.81	<0.020	<0.020
MW-28A	NS (0.054)	NS (0.052)	<0.050	NS (0.18)	<0.32	<0.32	<0.080	NS (0.080)	<0.080	NS (0.29)	0.5	<0.050	<0.051	<0.050	<0.76	<0.076	<0.076	<0.078	0.31	NS (0.21)	<0.11	0.084	<0.10	<0.020	<0.020	<0.020	<0.20	<0.020
MW-29A	NS (0.054)	NS (0.052)	<0.050	NS (0.31)	<0.57	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)	NS (0.57)
MW-30A	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	NS	NS	NS	NS	NS	NS	NS
MW-31A	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	NS	NS	NS	NS	NS	NS	NS
MW-32A	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	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.96	1.7	9.4	0.52	0.66	50	2.4	NS (1.2)	<0.020	<0.020	<0.020	0.11	<0.020	0.34	<0.020	0.21
MW-33A	NS (11)	NS (13)	14	NS (7.6)	0.74	0.63	0.78	NS (1.3)	1.9	NS (2.3)	2.7	14	26	6.1	7	73	148	33	0.042	NS (0.031)	<0.020	<0.020	0.096	<0.020	<0.020	<0.020	0.14	<0.020
MW-35A	NA	NA	2.5	NS (5.3)	8.2	3.2	1.4	NS (3.2)	5	NS (2.6)	0.11	0.13	0.08	4.3	0.43	0.14	1.8	1.2	4.7	NS (4.4)	4.1	0.39	<0.020	0.72	0.18	0.98	2.9	0.19
MW-36A	NS (0.050)	NS (0.050)	<0.050	NS (0.27)	0.49	<0.29	<0.080	NS (0.19)	0.3	NS (0.19)	<0.080	<0.050	<0.050	<0.050	<0.076	<0.076	<0.076	<0.078	0.61	NS (0.32)	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	0.03
MW-38A	NS (0.050)	NS (0.050)	<0.050	NS (0.17)	<0.29	<0.28	<0.080	NS (0.081)	0.083	NS (0.082)	<0.080	0.055	<0.050	<0.14	<0.076	<0.076	<0.076	<0.078	0.06	NS (0.100)	0.14	<0.020	0.36	<0.020	0.086	<0.020	<0.020	<0.22
MW-44A	NA	NA	12	NS (38)	64	125	54	NS (32)	8.7	NS (4.7)	0.72	1.4	1	3.1	<0.76	135	107	16	0.29	NS (0.16)	<0.020	<0.020	<0.33	<0.020	<0.020	0.15	<0.020	<1.3
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	<0.020	<0.066	<0.020	<0.020	<0.020
MW-49A	NA	NA	176	NS (162)	148	293	210	NS (185)	160	NS (118)	75	90	<0.050	9.9	85	81	90	94	4.9	NS (2.5)	<0.020	<0.020	37	44	57	22	65	76
MW-50A	NA	NA	0.44	NS (0.36)	<0.29	<0.33	0.25	NS (0.17)	<0.080	NS (0.095)	0.11	<0.050	<0.050	2.4	<0.077	<0.078	0.13	<0.079	<0.020	NS (0.020)	<0.020	<0.020	<0.13	<0.020	<0.020	<0.020	<0.020	<0.020
MW-51A	NS (0.060)	NS (0.060)	<0.060	NS (0.31)	0.57	NS (0.32)	<0.080	NS (0.100)	0.12	NS (0.10)	<0.080	<0.050	<0.050	<0.050	<0.077	<0.078	<0.076	<0.076	<0.020	NS (0.020)	<0.020	0.03	<0.049	<0.020	0.09	<0.020	0.06	<0.020
MW-52A	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	NS	NS	NS	NS	NS	NS	NS
MW-55A	NA	NA	NA	NA	NA	NA	200	NS (165)	130	NS (127)	NS (123)	120	84	78	27	<3.9	150	140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	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)	76	150	67	86	54	1,400	81
MW-58A	NA	NA	NA	NA	NA	NA	230	NS (230)	230	NS (155)	79	1.7	130	8.8	128	<0.080	<0.076	136	91	NS (52)	13	59	130	47	80	11	9.8	4.3
MW-59A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	NS (0.39)	0.7	NS (0.84)	0.99	<0.050	<0.050	<0.050	<0.076	<0.078	<0.14	<0.079	0.17	NS (0.096)	<0.020	<0.020	<0.16	<0.020	<0.072	<0.020	0.061	<0.020
MW-60A	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	NS (0.35)	0.35	NS (0.22)	<0.080	NS (0.080)	<0.080	<0.050	<0.050	0.99	<0.077	<0.076	0.15	0.12	<0.020	NS (0.020)	<0.020	<0.020	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	<0.020	<0.020	<0.020	0.071	<0.020	<0.020
MW-61A	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	NS (0.080)	<0.080	<0.080	<0.080	<0.050	<0.050	<0.050	<0.077	<0.076	<0.076	<0.080	<0.020	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-64A	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	0.12	NS (0.10)	<0.080	<0.080	<0.080	1.3	<0.050	<0.050	<0.077	<0.080	<0.076	<0.078	0.38	NS (0.20)	<0.020	<0.020	0.1	<0.020	<0.020	<0.020	<0.020	<0.020
MW-68A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	0.082	<0.020	<0.027	0.066	<0.020	<0.020	<0.020
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	0.22	<0.050	<0.050	0.71	<0.076	<0.080	<0.077	<0.076	<0.020	NS (0.020)	<0.020	<0.020	NS (0.020)	<0.020	<0.020	<0.020	16	0.023
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23	90	NS (45)	<0.021	96	79	4	80	25	54	25
MW-78A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	411	NS (184)	NS (152)	NS (120)	NS (88)	55	260	220	88	200	240
MW-79A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342	140	NS (89)	37	26	140	24	96	75	31	64
MW-84A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-88A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	0.38	<0.020	<0.020	0.079	<0.020
MW-91A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	4.6	<0.020	<0.020	<0.020
MW-94A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	0.02	<0.020	<0.020	<0.021
MW-95A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	0.033	<0.020	<0.020	<0.020
MW-97A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.024	<0.021	<0.020	<0.020	0.18
MW-98A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.021	0.046	<0.020	<0.020	<0.020
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	43	NS (59)	NS (74)	90	49	38	108	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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
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
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
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
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
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
MW-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660	<100	800	<5.0	25	<10	<10	<10	<10	<10
MW-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44	79	155	<5.0	64	18	180	<10	54	<10
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
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
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
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
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)
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
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
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
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
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
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)
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
MW-24AR	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
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
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
MW-27A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-28A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-29A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
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
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
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
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
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
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
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
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
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
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
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
MW-50A	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)
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
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
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
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
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
MW-59A	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)
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
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
MW-61A	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)
MW-64A	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)
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
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
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
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
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
MW-84A	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)
MW-88A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-91A	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)
MW-94A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-95A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-97A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-98A	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)
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

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Non-Sampled Well

Naphthalene A-TZ Input Data

	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	1H-2004	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009
MW-01A	250	5,050	1,600	1,700	320	228	NS (179)	130	68	240	65	110	5	0.92	120	23	0.52	2.9	0.3	<1.2	<0.38	17	<0.80
MW-02	<10	478	530	33	31	<10	NS (10)	11	240	28	34	6	13	0.6	2.3	<0.060	5.3	11	0.41	19	0.83	1.2	<0.80
MW-03	94	79	340	<10	<10	<10	NS (5.1)	0.1	1	0.9	0.7	<0.30	0.2	0.26	50	NS (38)	NS (25)	NS (13)	<0.070	NS (0.47)	0.87	NS (0.83)	NS (0.79)
MW-04	130	224	<10	<10	<10	<10	NS (5.3)	0.5	<0.30	1	1	<0.30	<0.10	<0.067	<0.060	NS (0.062)	NS (0.065)	NS (0.067)	<0.070	NS (0.22)	<0.38	NS (0.43)	NS (0.47)
MW-05	<10	736	23	<10	<10	<10	NS (5.1)	0.1	1	<0.30	<0.30	<0.30	0.1	<0.067	9.1	NS (7.0)	NS (5.0)	NS (2.9)	0.85	NS (0.61)	<0.38	NS (0.33)	NS (0.29)
MW-07	<10	<10	<10	<10	<10	<10	NS (5.1)	0.1	0.3	<0.30	<0.30	<0.30	0.5	<0.067	<0.060	<0.060	0.19	<0.070	0.64	<1.2	<0.38	0.68	<0.80
MW-08	42	<10	640	<10	300	526	NS (265)	0.2	<0.30	13	<0.30	<0.30	<0.10	<0.067	<0.060	<0.060	<0.060	<0.070	<0.070	<1.2	<0.44	0.65	<0.80
MW-09	<10	<10	<10	<10	<10	<10	NS (5.1)	0.1	<0.30	<0.30	0.5	<0.30	<0.10	<0.067	<0.060	NS (0.18)	NS (0.31)	NS (0.43)	0.56	NS (0.47)	<0.38	NS (0.33)	NS (0.29)
MW-10A	210	582	63	16	<10	<10	NS (51)	93	0.5	<0.30	<0.30	<0.30	<0.10	<0.067	<0.060	<0.060	<0.060	<0.070	<0.070	<1.2	<0.40	<0.38	<0.80
MW-11A	110	468	<100	340	<10	572	NS (320)	64	10	470	2,400	680	490	2.8	48	4.8	<0.060	0.12	4.8	<1.2	<0.38	<0.40	<0.80
MW-12A	NA	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
MW-13	NS (10)	NS (10)	<10	NS (9.0)	NS (8.0)	NS (6.0)	5	NS (2.6)	<0.30	0.5	<0.30	<0.30	<0.10	NS (0.14)	NS (0.16)	NS (0.18)	NS (0.19)	NS (0.20)	0.21	NS (0.30)	<0.38	<0.39	<0.10
MW-15A	NA	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)	6.8	271	48
MW-16	NA	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
MW-17	NA	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
MW-18A	NA	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
MW-20A	NA	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)
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (5.1)	<0.30	3	0.5	<0.30	<0.10	NS (0.18)	NS (0.23)	NS (0.26)	NS (0.28)	NS (0.31)	NS (0.34)	NS (0.36)	<0.39	<0.38	<0.10
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
MW-24AR	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	0.2	<0.30	<0.30	<0.30	<0.30	<0.10	NS (0.18)	NS (0.23)	NS (0.25)	NS (0.28)	NS (0.30)	NS (0.33)	NS (0.35)	<0.38	NS (0.24)	<0.10
MW-25A	NA	NA	NA	NA	NA	NA	NA	<0.50	15	140	3	2	2	NS (1.6)	NS (1.3)	NS (1.2)	NS (1.1)	NS (0.96)	0.83	NS (0.96)	1.1	<0.44	450
MW-26A	NA	NA	NA	NA	NA	NA	NA	80	1	3	<0.30	0.6	0.7	NS (1.3)	NS (1.7)	NS (1.9)	NS (2.1)	NS (2.3)	2.5	NS (1.6)	0.78	<0.40	7.4
MW-27A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.10	NS (0.31)	NS (0.44)	NS (0.51)	NS (0.58)	NS (0.65)	0.72	NS (1.3)	1.8	<0.40	NS (0.38)
MW-28A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.10	NS (0.18)	NS (0.23)	NS (0.26)	NS (0.29)	NS (0.31)	0.34	NS (0.52)	0.7	<0.42	0.17
MW-29A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	1	<0.30	<0.10	NS (0.12)	NS (0.14)	NS (0.15)	NS (0.15)	NS (0.16)	0.17	NS (0.46)	<0.76	NS	NS
MW-30A	NA	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)
MW-31A	NA	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)
MW-32A	NA	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
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
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44	NS (230)	NS (322)	NS (416)	NS (508)	602	NS (304)	1.7	4.7	2.8
MW-35A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.26	NS (13)	26	0.7	<0.10
MW-36A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.19	NS (0.69)	1.2	<0.39	0.6
MW-38A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.15	NS (0.27)	<0.39	<0.38	6
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84	NS (447)	816	287	21
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
MW-49A	NA	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
MW-50A	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	<0.070	NS (0.22)	<0.38	<0.44	0.3
MW-51A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NS (1.5)	1.8	NS (1.1)	0.29
MW-52A	NA	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)
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17,000
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,400
MW-59A	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	<0.10
MW-60A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.5
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
MW-61A	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	NS (6.6)	6.6
MW-64A	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	NS (0.92)	0.92
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
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
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
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
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
MW-84A	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)
MW-88A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-91A	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)
MW-94A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-95A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-97A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-98A	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)
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

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Non-Sampled Well

Naphthalene A-TZ Input Data

	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	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022
MW-01A	3.1	4.3	<0.60	<0.60	<0.50	<0.50	<0.50	2.5	441	1.7	74	<0.020	0.42	<0.020	0.34	0.52	5.2	<0.020	0.84	0.48	0.33
MW-02	12	<0.60	<0.60	<0.60	3.7	<0.50	3.3	21	7.5	<0.074	6.5	0.15	0.25	<0.020	0.11	<0.020	<0.15	0.041	<0.020	<0.020	0.49
MW-03	NS (0.74)	NS (0.70)	NS (0.66)	NS (0.62)	NS (0.57)	NS (0.53)	NS (0.49)	NS (0.45)	NS (0.40)	NS (0.36)	NS (0.32)	<0.020	NS (0.020)	<0.020	<0.29	<0.24	0.081	<0.020	0.38	<0.15	0.075
MW-04	NS (0.52)	NS (0.56)	NS (0.61)	NS (0.66)	NS (0.70)	NS (0.75)	NS (0.79)	NS (0.84)	NS (0.89)	NS (0.93)	NS (0.98)	1.3	NS (0.67)	<0.020	<0.53	1.3	0.07	<0.020	0.042	<0.020	<0.059
MW-05	NS (0.24)	NS (0.19)	NS (0.14)	NS (0.097)	<0.050	0.87	<0.050	1.3	0.57	0.97	<0.13	0.1	NS (0.060)	<0.020	<0.71	<0.12	<0.020	<0.020	0.19	<0.020	<0.020
MW-07	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.076	0.11	NS (0.093)	<0.076	<0.020	<0.020	<0.020	0.25	0.17	<0.12	<0.020	<0.020	<0.020	0.091
MW-08	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.076	<0.078	<0.074	<0.076	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.12
MW-09	NS (0.24)	NS (0.19)	NS (0.14)	NS (0.097)	<0.050	<0.050	<0.050	4.3	NS (3.9)	NS (3.5)	NS (3.1)	0.39	NS (0.21)	<0.020	<0.15	0.11	<0.020	<0.020	0.2	<0.020	0.04
MW-10A	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.076	199	<0.074	199	<0.020	<0.020	<0.020	0.043	<0.020	<0.020	<0.020	<0.020	<0.020	0.21
MW-11A	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.076	<0.077	<0.074	0.34	<0.020	0.12	<0.020	0.041	<0.020	<0.020	<0.020	<0.074	<0.020	0.21
MW-12A	NS (2,154)	1,700	NS (966)	220	50	1,500	360	83	661	34	75	12	NS (6.2)	<0.26	<1.2	<0.51	0.48	0.67	1.1	0.36	<2.0
MW-13	NS (3.5)	7	NS (3.8)	0.5	0.87	<0.22	<0.23	<0.076	<0.23	<1.3	3.9	0.14	NS (0.18)	<0.22	<1.1	0.26	4.4	<0.020	<0.27	<0.020	0.15
MW-15A	NS (42)	36	NS (19)	2.3	87	8	270	50	526	326	248	0.5	NS (0.41)	<0.32	<6.6	0.22	<0.92	<0.98	0.52	11	0.12
MW-16	NS (3,009)	1,900	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
MW-17	NS (12,824)	16,000	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	<0.020	18,000	5,200	19,000	8,900	13,000
MW-18A	NS (4,688)	6,100	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
MW-20A	NS (6,014)	NS (6,439)	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
MW-22A	NS (0.10)	<0.10	NS (1.8)	3.5	0.1	0.24	<1.8	NS (2.3)	NS (2.9)	<3.4	792	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12	NS (0.070)	<0.020	<0.020	<0.44	<0.020	<0.021	<0.11	0.14	2.4
MW-24AR	NS (0.23)	0.36	NS (0.58)	0.81	<0.050	<0.050	<0.050	<0.14	<0.076	<0.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25A	NS (227)	0.24	NS (0.25)	0.27	<0.050	0.17	<0.38	<0.69	<0.080	<0.22	<0.82	5,900	NS (2,974)	<0.29	0.23	0.1	1	<0.020	<0.020	<0.020	<1.0
MW-26A	NS (3.8)	<0.10	NS (2.2)	4.3	1.9	0.1	0.27	<3.9	6.6	<0.92	0.42	<0.020	NS (0.25)	<0.49	<0.32	<0.17	<0.049	<0.79	0.91	<0.020	<0.020
MW-27A	NS (0.36)	NS (0.34)	NS (0.32)	NS (0.30)	NS (0.28)	NS (0.26)	NS (0.24)	NS (0.22)	NS (0.20)	NS (0.18)	NS (0.16)	<0.020	NS (0.88)	NS (1.7)	2.6	0.053	NS (0.085)	NS (0.12)	0.15	<0.020	<0.020
MW-28A	NS (0.14)	<0.10	NS (1.2)	2.3	<0.050	<0.93	1.3	<0.76	<0.17	<0.40	<0.078	24	NS (13)	<2.4	1.3	<0.60	0.15	<0.091	<0.020	<0.20	0.083
MW-29A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-30A	NS (12,010)	NS (12,764)	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
MW-31A	NS (16,827)	NS (17,879)	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
MW-32A	NS (9,801)	3,500	11,000	31,000	21,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	NA	NA	NA	NA	NA	0.44	3.6	406	<3.0	8.7	3,830	26	NS (13)	0.067	<0.020	<0.14	0.26	<0.020	1.9	<0.020	1.2
MW-33A	NS (11)	20	NS (57)	95	440	1,600	21	382	4,980	5,820	1,020	0.13	NS (0.075)	<0.020	<0.076	<0.50	<0.020	<0.14	<0.17	<0.020	0.24
MW-35A	NS (94)	190	NS (96)	0.28	<0.050	0.27	50	2.9	0.56	9.7	2.9	130	NS (175)	220	0.83	<0.20	1.2	<0.35	11	0.34	0.093
MW-36A	NS (1.4)	2.3	NS (1.2)	<0.10	<0.050	<0.050	0.3	<0.21	<0.076	<0.076	<1.0	<0.020	NS (0.041)	<0.062	0.15	<0.34	<0.021	<0.020	<0.63	<0.020	0.054
MW-38A	NS (3.1)	<0.10	NS (0.34)	0.59	<0.26	<0.050	<1.0	<0.076	1.9	<0.15	<0.078	0.71	NS (0.43)	0.15	0.068	1.1	<0.020	0.042	<0.11	0.18	1.9
MW-44A	NS (90)	160	NS (81)	0.35	42	320	390	<0.94	1,720	235	16	0.38	NS (0.25)	0.11	<0.19	<3.0	<0.16	<0.091	11	<0.23	<0.52
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	0.25	<0.15	<0.069	<0.058	<0.065
MW-49A	NS (9,496)	10,000	NS (5,934)	1,800	7,400	<0.050	<0.050	2,880	3,300	5,860	5,130	46	NS (23)	0.089	<0.020	4,500	2,000	2,900	400	3,100	3,200
MW-50A	NS (0.20)	<0.10	NS (1.3)	2.6	<0.050	<0.050	20	<0.077	0.27	1.3	0.71	0.18	NS (0.10)	<0.020	0.27	<2.0	<0.14	0.28	<0.020	0.082	<0.020
MW-51A	NS (0.58)	0.87	NS (0.49)	<0.11	<0.050	<0.050	<0.050	<0.077	<0.078	0.12	0.16	<0.087	NS (0.10)	0.12	0.55	<0.32	<0.020	0.23	<0.020	<0.46	0.065
MW-52A	NS (5,511)	3,900	NS (3,237)	NS (2,563)	1,900	770	830	878	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NS (14,025)	11,000	NS (10,204)	NS (9,396)	8,600	9,900	9,700	<2.3	13,800	11,700	11,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	NS (17,984)	20,000	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
MW-58A	NS (1,954)	1,500	NS (979)	450	<0.050	2,200	68	2,960	0.36	<0.076	4,050	950	NS (479)	0.42	460	1,200	350	59	92	320	14
MW-59A	NS (0.28)	0.47	NS (3.5)	6.6	<0.050	<0.050	0.051	<0.076	<0.078	<0.38	0.22	0.68	NS (0.35)	<0.020	<0.12	<1.2	0.17	<0.070	0.087	<0.30	0.028
MW-60A	NS (5.5)	1.5	NS (0.81)	<0.10	<0.050	<0.050	25	14	<0.076	0.67	6.5	<0.020	NS (0.020)	<0.020	<0.13	NA	NA	NA	NA	NA	NA
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	<0.020	<0.020	0.04	<0.14	0.2
MW-61A	NS (3.4)	<0.10	<0.18	<0.10	<0.050	<0.050	<0.050	<0.077	<0.12	<0.67	<0.080	<0.020	NS (0.020)	<0.020	<0.020	<0.21	<0.073	<0.020	0.08	<0.020	<0.061
MW-64A	NS (0.51)	<0.10	<0.10	<0.10	<0.050	<0.63	<0.050	<0.077	<0.080	<0.076	<0.32	0.58	NS (0.30)	<0.020	<0.33	2	0.083	<0.020	0.091	<0.020	0.069
MW-68A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25	0.35	<0.22	<0.029	<0.020	<0.020	<0.020	<0.035
MW-69A	NA	NA	26	0.11	<0.050	<0.29	<4.0	<0.14	<0.080	<0.71	<0.16	<0.020	NS (0.020)	<0.020	<0.078	NS (0.13)	0.19	<0.12	0.1	130	<0.11
MW-77A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	884	7,800	NS (3,932)	<0.021	4,900	4,700	10	5,000	1,900	4,400	1,100
MW-78A	NA	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
MW-79A	NA	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
MW-84A	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	NS (0.023)	0.023	<0.13	<0.020	<0.020	0.063	<0.020
MW-88A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	9.7	<0.020	0.06	<0.14	<0.020
MW-91A	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	NS (0.37)	0.37	<0.020	93	<0.19	<0.020	<0.020
MW-94A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.25	<0.020	<0.020	<0.098
MW-95A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.056	<0.020	<0.086
MW-97A	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.18	<0.021	<0.020	<0.020	3.5
MW-98A	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	NS (0.042)	0.042	<0.11	0.1	<0.020	0.092	<0.098
TW-56A	NA	2,500	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

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Non-Sampled Well

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	7.1	5.9	6.5	<5.0	<5.0 (5.0)	<5.0 (5.0)	<5.0 (5.0)	<5.0 (5.0)	4.9	NS (4.3)	<5.0 (3.6)	3	2	2	<2.0	3	NS (2.5)	2.3	<1.4	NS (0.76)	NS (0.42)	<0.25
MW-11B	NS (2.5)	NS (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	<5.0 (2.5)	2.5	NS (1.4)	<0.40	<0.80	<0.80	<2.0	<2.0	<2.0	NS (1.6)	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25
MW-12B	NA	NA	NA	NA	NA	NA	NA	6.5	NS (5.4)	NS (4.3)	NS (2.1)	1	NS (1.1)	NS (1.2)	NS (1.3)	NS (1.4)	NS (1.5)	NS (1.6)	NS (1.8)	NS (1.9)	NS (2.2)	<2.6	3.4	NS (4.5)
MW-14	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	<5.0 (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	<0.40	NS (0.60)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (2.1)	NS (2.2)	NS (2.3)	<2.6	<0.25	<0.25
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 (3.0)	3	5	6	5	6	3.6	NS (3.2)	NS (2.5)	NS (0.99)	<0.25	3.1
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 (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	NS (0.80)	<5.0 (0.80)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (2.1)	NS (2.2)	NS (2.3)	<2.6	<2.6	<1.1
MW-29B	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	<2.0	<2.0	<2.0	<2.0	NS (2.1)	NS (2.2)	NS (2.3)	<2.6	<2.6	NS (2.6)
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 (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
MW-38B	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	<1.4	NS (1.8)	<2.6	<0.25	<1.1
MW-39B	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	<1.4	NS (1.8)	<2.6	<0.25	<0.25
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 (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	<2.6	1.2	NS (1.0)
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 (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
MW-60B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-61B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-62B	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
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 (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)
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 (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-80B	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)
MW-81B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-82B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
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 (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-89B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-90B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-92B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-93B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-96B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-98B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
P-10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7	NS (4.9)	<5.0 (2.8)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (1.6)	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25
P-11	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<1.0	NS (0.93)	<5.0 (0.87)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (1.6)	<1.4	<1.4	NS (0.64)	<0.25	<0.25
P-12	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<5.0 (1.0)	<1.0	NS (0.93)	<5.0 (0.87)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (1.6)	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25
TW-41B	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)	NS (0.50)

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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
MW-10B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11B	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)
MW-12B	NS (5.7)	NS (7.9)	NS (9.0)	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	2.7	1.7	1.7	<2.0	<2.0
MW-14	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.080	<0.080	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-15B	NA	NA	NA	NA	NA	<5.0	5.3	2.2	4.8	1	2.9	0.71	NS (0.46)	<0.20	2.3	<0.20	2.5	<0.20	2.4	<0.20	1.9
MW-22B	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	4.2	NS (2.9)	NS (1.6)	0.3	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-24B	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-29B	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
MW-32B	NA	NA	NA	NA	NA	2,600	<0.50	4.3	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
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
MW-33BR	NA	NA	NA	NA	NA	NA	NA	1,610	1,620	837	1,410	120	NS (62)	2.5	250	120	140	980	690	73	360
MW-35B	62	64	68	64	56	77	64	66	86	66	54	88	NS (46)	3.3	4.5	25	45	46	76	69	89
MW-36B	NS (0.50)	NS (0.50)	<0.50	1.8	1.4	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-38B	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-39B	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.080	<0.080	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-40B	26	28	NS (24)	19	16	13	13	11	12	11	10	14	NS (10)	6.3	8.8	11	10	10	7.8	6.1	8.4
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
MW-42B	NS (0.83)	<0.50	NS (0.67)	NS (0.83)	<1.0	<1.0	<2.5	<0.080	<0.080	<0.20	<0.080	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-49B	9.5	100	NS (53)	5.7	56	5.6	110	63	469	69	346	260	NS (344)	NS (430)	NS (514)	600	500	380	470	610	540
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	<0.20	52	<0.20	<0.20	<0.20
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43	<0.20	<0.20	<0.20	<0.20	<0.20
MW-55B	NA	NA	NA	NA	NA	780	890	881	809	648	846	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
MW-59B	NS (0.50)	NS (0.50)	<0.50	<0.50	<1.0	<1.0	<0.50	<0.080	0.098	<0.20	<0.080	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-60B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-61B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-62B	<0.50	<0.50	<0.50	<0.50	4.3	<1.0	2	<0.080	<0.080	<0.080	<0.080	2.1	NS (1.2)	<0.20	<0.20	<0.20	2.2	<0.20	1.2	<0.20	2.7
MW-63B	NA	210	NS (115)	19	24	<1.0	1.6	9.5	87	76	108	48	NS (198)	350	110	18	100	3.6	41	210	69
MW-67B	NS (0.50)	NS (0.50)	<0.50	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
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
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
MW-71B	NA	NA	NA	NA	NA	12	1.4	12	103	39	1.6	27	NS (15)	2.4	130	2.1	82	12	43	5.5	23
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
MW-73B	NA	NA	NA	NA	NA	9.7	<0.50	0.22	0.16	<0.20	3.1	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
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	1.7	1.2	NS	NS
MW-76B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-80B	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	NS (0.090)	0.09	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-81B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	0.21	NS (0.21)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-82B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS (0.20)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	30	32	21	21	7	22	30	33	3.4
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.7	2	2.4	10	6.4	2.2	0.49	0.33	<0.20	<0.20
MW-88B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-89B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-90B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-92B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-93B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-96B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-98B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
P-10	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)
P-11	<0.50	<0.50	NS (0.50)	<0.50	<1.0	<1.0	<0.50	<0.080	<0.080	0.21	<0.080	0.21	NS (0.21)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
P-12	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)
TW-41B	NS (0.50)	<0.50	NS (0.67)	NS (0.83)	<1.0	<1.0	<0.50	<0.080	0.35	<0.20	0.59	1.3	NS (1.6)	<2.0	<1.3	0.39	1.7	0.74	<1.0	1.9	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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
MW-10B	NS (22)	NS (22)	22	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.5)	<1.0	NS (0.23)	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-11B	NS (10)	NS (10)	<10	<10	<10	<10	<10	<100	<10	<10	<10	NS (5.5)	<0.90	NS (0.22)	<0.12	<0.31	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)
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 (9.3)	NS (4.7)	NS (4.0)	NS (2.7)	<0.050	<2.9	NS (2.9)	NS (3.0)
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8.2)	NS (6.4)	NS (2.8)	<1.0	NS (0.94)	NS (0.56)	NS (0.51)	NS (0.40)	<0.18	<0.29	<0.29	<0.080
MW-15B	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)
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 (8.8)	<0.12	NS (0.14)	NS (0.18)	NS (0.26)	<0.30	<0.30	<0.080
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 (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	NS (1.0)	<1.0	NS (0.59)	NS (0.53)	NS (0.41)	<0.18	<0.29	<0.30	<0.080
MW-29B	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.30	NS (0.30)	NS (0.30)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33B	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050	<43	<28	<0.080
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	<0.19	<0.29	<0.30	<0.080
MW-36B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-38B	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	<0.12	NS (0.14)	<0.18	<0.30	<0.29	<0.080
MW-39B	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	<0.12	NS (0.14)	<0.18	<0.30	<0.29	<0.080
MW-40B	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	<0.12	NS (6.8)	20	<71	45	11
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)
MW-42B	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.29	NS (0.24)	NS (0.18)
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31
MW-50B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-54B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
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	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-61B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-62B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080
MW-63B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-67B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
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	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-80B	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)
MW-81B	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-82B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-83B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-84B	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)
MW-88B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-89B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-90B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-92B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-93B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-96B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-98B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
P-10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.5)	<1.0	NS (0.23)	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
P-11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.5)	<1.0	NS (0.23)	<0.12	<0.31	NS (0.31)	<0.31	<0.28	<0.080
P-12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.5)	<1.0	NS (0.23)	<0.12	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
TW-41B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2,4-Dimethylphenol B-CZ/TZ
Input Data

	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
MW-10B	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-11B	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)
MW-12B	NS (3.1)	NS (3.1)	NS (3.2)	NS (3.2)	NS (3.3)	NS (3.3)	NS (3.4)	NS (3.4)	NS (3.5)	NS (3.5)	NS (3.8)	NS (3.9)	NS (3.9)	NS (4.0)	<4.0	<0.40	<0.40	0.62	520	<40
MW-14	<0.080	NS (0.080)	<0.080	<0.050	1.3	<0.050	<0.29	<0.30	<0.30	<0.31	<0.040	NS (0.040)	<0.040	<0.13	<0.040	0.13	<0.040	<0.040	<0.040	<0.040
MW-15B	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	<0.43	<0.050	<0.29	<0.30	<3.0	<0.29	<0.040	NS (0.040)	<0.040	<0.16	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-22B	<0.080	NS (0.080)	<0.080	<0.050	0.14	<0.050	NS (0.14)	NS (0.22)	<0.30	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-24B	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-29B	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-32B	NA	NA	NA	NA	46,000	1.4	<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
MW-33B	3.5	NS (3.2)	2.9	3.4	<0.050	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	<1,490 (15)	<15	<1.5	<0.30	<0.040	NS (0.040)	<0.040	0.28	0.18	<0.040	<0.040	<0.040	6.4	0.26
MW-35B	<0.080	<0.080	<0.080	<0.050	<0.050	<0.050	<295	<15	<298	<3.0	<0.040	NS (0.040)	<0.040	<0.040	0.21	<0.040	<0.040	<0.040	<0.40	<0.040
MW-36B	NS (0.080)	<0.080	<0.080	<0.050	<0.050	<0.050	<0.29	<0.31	<0.29	<0.30	<0.040	NS (0.040)	<0.040	0.078	<0.054	<0.040	<0.040	0.091	<0.040	<0.040
MW-38B	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30	<0.29	<0.30	<0.31	<0.040	NS (0.040)	<0.040	0.056	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-39B	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.29	<0.30	<3.0	<0.30	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-40B	14	NS (7.2)	0.33	3.4	4	3.9	<29	<15	<60	<3.1	0.34	NS (0.19)	<0.040	1.3	1.3	<0.040	2.6	1.9	<0.040	<0.040
MW-41B	NS (94)	NS (91)	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	3.4	6.1	230	<40
MW-42B	<0.080	NS (0.097)	NS (0.11)	0.13	<0.050	<0.050	<0.29	<0.30	0.92	0.58	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	0.049	<0.040	<0.040	<0.040
MW-49B	1,200	NS (694)	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
MW-50B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-54B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.052	<0.040	<0.040
MW-55B	NA	NA	NA	NA	35,000	30,000	2,060	25,200	44,200	35,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	NA	NA	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
MW-59B	NA	<0.080	<0.080	<0.050	250	<0.050	<0.29	<0.30	<0.29	NS (0.26)	<0.040	NS (0.040)	<0.040	<0.040	<0.040	0.19	<0.040	<0.040	<0.040	<0.040
MW-60B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-61B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-62B	<0.080	<0.080	<0.080	<0.050	<0.050	<0.050	<0.28	<0.30	<0.29	<0.31	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	0.13	<0.040	<4.0
MW-63B	<0.080	NS (0.080)	<0.080	0.056	0.44	<0.050	<0.30	<0.29	<3.1	<3.1	<0.040	NS (0.22)	<0.40	<0.040	<0.040	<0.040	0.068	0.5	<0.040	<0.040
MW-67B	NS (0.080)	<0.080	<0.080	<0.050	0.5	<0.050	<0.30	<0.29	<0.30	<0.30	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-68B	NA	NA	NA	NA	190	270	273	<15	536	451	230	NS (145)	58	76	75	25	3.2	400	21	46
MW-70B	NA	NA	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
MW-71B	NA	NA	NA	NA	3.4	<0.050	<0.30	<15	23	<0.30	0.44	NS (0.24)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.73	<0.040
MW-72B	NA	NA	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
MW-73B	NA	NA	NA	NA	7	2.8	<0.29	<0.30	0.95	<0.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	NA	NA	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
MW-75B	NA	NA	NA	NA	180	640	70	NS (3,184)	6,350	<6.0	NS (550)	NS (627)	NS (705)	NS (782)	860	4.6	1.1	22	NS	NS
MW-76B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	0.21	<0.040	<0.040	<0.040	<0.040
MW-80B	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	<0.31	<0.040	NS (0.040)	<0.040	<0.040	0.28	<0.040	0.16	<0.040	<0.040	<0.040
MW-81B	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.040	NS (0.040)	<0.040	<0.040	<0.040	0.63	<0.040	<0.040	<0.040	<0.040
MW-82B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	NS (0.040)
MW-83B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	0.072	0.76	<0.040	0.093	<0.040	<0.040
MW-84B	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	1.7	0.48	<0.16	0.81	0.48	<0.040	<0.040	<0.040	<0.040	<0.040
MW-88B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-89B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-90B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	0.075	<0.040	<0.040	<0.040	<0.040	<0.040
MW-92B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-93B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-96B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-98B	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	0.24	<0.040	<0.040	<0.040
P-10	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
P-11	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	NS (0.17)	<0.30	<0.29	<0.30	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
P-12	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
TW-41B	<0.080	NS (0.070)	NS (0.060)	<0.050	<0.050	1.4	<0.29	<0.30	<0.29	<0.30	<0.040	NS (0.040)	<0.040	<0.040	0.17	<0.040	0.56	<0.040	<0.040	<0.40

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2-Methylnaphthalene B-CZ/TZ
Input Data

	Jul. 1993	Jan. 1994	Jul. 1994	Jan. 1995	Jul. 1995	Jan. 1996	Jul. 1996	Jan. 1997	Jul. 1997	Jan. 1998	Jan. 1999	Jul. 1999	Jan. 2000	Jul. 2000	Jan. 2001	Jul. 2001	Jan. 2002	Jul. 2002	Jul. 2003	Jan. 2004	Jan. 2005	Jan. 2007	Jan. 2008
MW-10B	NA	NA	500	520	230	87	299	97	10	<10	<10	NS (5.5)	1	40	0.5	<0.30	1	18	NS (6.1)	0.13	0.12	NS	NS
MW-11B	NA	NA	310	270	190	43	249	1,400	19	<10	43	NS (23)	2	150	56	56	26	92	NS (32)	1.6	<0.070	NS (2.8)	NS (4.2)
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)	NS (500)	572	508
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8.2)	NS (6.4)	NS (2.8)	<1.0	NS (3.0)	5	9	4	5	3	NS (2.6)	NS (2.5)	NS (2.1)	1.4	0.47
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
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 (5.1)	<0.20	<0.30	<0.30	<0.30	<0.070	0.27	NS (0.29)	NS (0.31)	NS (0.37)	<0.40
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
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	<0.20	<0.30	<0.30	<0.30	<0.070	NS (0.068)	NS (0.067)	NS (0.064)	<0.060	<0.38
MW-29B	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.30	<0.20	0.07	NS (0.068)	NS (0.067)	NS (0.064)	<0.060	<0.40
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
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,110	443
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
MW-35B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,340	464
MW-36B	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)
MW-38B	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	<0.067	NS (0.065)	<0.060	<0.40
MW-39B	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	NS (0.28)	0.28	NS (0.24)	0.15	<0.40
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.069	NS (174)	521	522
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	751	NS (768)	802	305
MW-42B	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	<0.060	<0.39
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
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
MW-54B	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)
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
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
MW-59B	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)
MW-60B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-61B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-62B	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)
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
MW-67B	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)
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
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
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
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
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
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
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
MW-76B	NA	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 (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)
MW-81B	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)
MW-82B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
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
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
MW-88B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-89B	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)
MW-90B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-92B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-93B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-96B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-98B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
P-10	90	55	80	120	86	38	134	<10	<10	18	32	NS (95)	160	210	140	140	99	5	NS (1.7)	<0.067	<0.070	NS (0.24)	NS (0.33)
P-11	<10	19	<10	<10	<10	<10	<10	<50	<10	<10	<10	NS (5.8)	<1.5	0.8	<0.30	<0.30	<0.30	<0.070	NS (0.75)	1.1	2.5	NS (1.4)	0.78
P-12	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	NS (5.8)	<1.5	<0.30	<0.30	<0.30	<0.30	<0.070	NS (0.068)	<0.067	<0.070	NS (0.44)	NS (0.62)
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

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2-Methylnaphthalene B-CZ/TZ
Input Data

	Jul. 2008	Jan. 2009	Jul. 2009	Jan. 2010	Jul. 2010	Jan. 2011	Jul. 2011	Jan. 2012	Jul. 2012	Jan. 2013	Jul. 2013	Jan. 2014	Jul. 2014	Jan. 2018	Jul. 2018	Jan. 2019	Jul. 2019	Jan. 2020	Jul. 2020	Jan. 2021	Jul. 2021	Jan. 2022	Jul. 2022
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
MW-11B	NS (4.9)	NS (5.6)	NS (6.2)	NS (6.9)	NS (7.6)	NS (8.3)	NS (9.0)	NS (9.7)	NS (10)	NS (11)	NS (12)	NS (12)	13	NS (27)	NS (28)	NS (30)	NS (32)	NS (34)	NS (36)	NS (38)	40	NS	NS
MW-12B	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)	<320,000 (827)	840	20	120	330	1,000
MW-14	0.78	0.78	NS (0.71)	0.64	NS (0.52)	0.39	0.34	0.17	0.44	0.4	0.3	0.32	0.34	0.19	NS (0.11)	<0.019	0.19	<0.019	0.24	<0.063	0.11	<0.28	0.084
MW-15B	NA	NA	NA	NA	NA	NA	NA	290	23	<0.74	3.3	3.3	6.2	0.15	NS (0.085)	<0.019	16	<0.019	13	3	29	<0.41	23
MW-22B	<0.40	<0.070	NS (0.070)	<0.070	NS (0.070)	<0.070	<0.050	0.44	<0.63	NS (0.56)	NS (0.49)	0.41	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.56	NS (0.29)	<0.019	<0.019	<0.043	<0.019	<0.019	<0.019	<0.019	<0.32
MW-24B	<0.40	<0.070	NS (0.084)	0.099	NS (0.085)	<0.070	<0.050	<0.050	<0.050	<0.067	<0.069	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)
MW-29B	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)
MW-32B	NA	NA	NA	NA	NA	NA	NA	530	0.19	<17	NS (76)	137	NS (977)	NS (6,915)	NS (7,755)	NS (8,609)	NS (9,448)	<50,000 (10,302)	<540,000 (11,146	12,000	520	560	8,400
MW-33B	808	1,900	NS (1,310)	710	NS (616)	520	1,600	810	550	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	993	198	56	277	2.9	NS (1.5)	<0.019	14	0.25	22	87	110	35	52
MW-35B	56	400	NS (435)	470	360	410	480	180	260	295	431	534	376	250	NS (131)	11	41	140	68	160	18	22	75
MW-36B	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	<0.070	<0.070	<0.050	<0.050	<0.050	<0.76	<0.070	<0.27	<0.068	<0.019	NS (0.019)	<0.019	0.58	<0.13	1.1	<0.019	<0.019	<0.019	<0.019
MW-38B	<0.38	0.37	NS (0.22)	<0.070	NS (0.070)	<0.070	<0.050	<0.050	<0.30	<0.067	<0.066	0.14	<0.099	0.096	NS (0.058)	<0.019	0.3	0.17	<0.019	<0.019	<0.019	<0.019	<0.070
MW-39B	<0.39	<0.070	NS (0.070)	<0.070	NS (0.078)	0.086	<0.050	<0.050	0.069	<0.066	<0.067	<0.67	<0.071	0.081	NS (0.050)	<0.019	<0.027	0.21	<0.067	<0.019	<0.019	0.024	0.37
MW-40B	4,410	580	NS (535)	490	NS (381)	270	240	200	280	302	309	350	263	130	NS (104)	77	180	340	270	300	220	140	99
MW-41B	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)	670	92	58	89	310	880
MW-42B	NS (0.31)	NS (0.23)	NS (0.15)	<0.070	NS (0.063)	NS (0.057)	<0.050	0.089	0.15	0.2	0.14	0.32	<0.069	<0.019	NS (0.019)	<0.019	<0.019	0.069	<0.019	<0.019	<0.019	<0.019	0.053
MW-49B	NA	140	NS (71)	1.6	NS (0.84)	<0.070	2.9	9.5	180	297	223	691	276	72	NS (113)	NS (155)	NS (197)	<250,000 (238)	280	200	1,500	640	490
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	<0.040	<0.019	<0.019	0.038	<0.019
MW-54B	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	NS (0.11)	0.11	<0.019	<0.019	<0.019	<0.019	<0.019
MW-55B	NA	NA	NA	NA	NA	NA	NA	280	640	757	868	901	512	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	NA	NA	NA	NA	NA	NA	NA	920	1,600	1,750	1,070	892	945	610	NS (716)	NS (824)	930	1,100	410	120	460	280	610
MW-59B	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	<0.070	<0.070	<0.050	<0.050	<0.050	<0.066	<0.067	<0.066	NS (0.060)	<0.019	NS (0.019)	<0.019	<0.019	<0.038	<0.019	<0.019	<0.019	<0.019	<0.019
MW-60B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	0.022	<0.019	0.089	<0.019	<0.019
MW-61B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-62B	NS (0.12)	0.12	NS (0.85)	1.6	0.64	<0.070	<0.050	<0.050	<0.060	<0.17	<0.067	<0.066	<0.069	0.11	NS (0.065)	<0.019	0.096	0.11	0.58	<0.019	0.27	<0.019	<1.9
MW-63B	NA	NA	NA	110	NS (68)	25	14	2.9	3.4	10	2.4	7.6	30	1.6	NS (22)	42	37	<0.056	6	<0.33	29	9.9	25
MW-67B	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	<0.070	<0.070	<0.050	0.23	0.062	<0.067	<0.066	<0.067	<0.067	0.061	NS (0.040)	<0.019	<0.019	<0.019	0.12	0.035	<0.019	<0.019	0.04
MW-68B	NA	NA	NA	NA	NA	NA	NA	660	1,300	952	1,410	1,190	906	1,400	NS (869)	330	720	1,100	2,900	210	6,300	290	690
MW-70B	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)	10,000	2,000	220	710	4,800	<140,000 (4,800)
MW-71B	NA	NA	NA	NA	NA	NA	NA	7.6	<0.40	0.38	114	48	<0.068	1.7	NS (0.87)	<0.019	24	6	2.6	0.34	2.1	<0.019	0.092
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	740	1,390	1,190	3,370	NS (3,005)	420	NS (247)	71	570	220	99	200	250	480	420
MW-73B	NA	NA	NA	NA	NA	NA	NA	0.55	0.11	<0.066	0.088	16	<0.069	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	NA	NA	NA	NA	NA	NA	NA	390	430	673	NS (3,077)	5,520	950	2,400	NS (1,319)	220	480	1,300	600	130	700	2,500	7,400
MW-75B	NA	NA	NA	NA	NA	NA	NA	620	600	101	NS (1,628)	3,180	546	NS (714)	NS (738)	NS (762)	NS (786)	810	110	0.071	76	NS	NS
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.019	0.2	<0.019	<0.019	0.086	<0.019
MW-80B	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	NS (0.16)	0.16	<0.019	NS (0.019)	<0.019	<0.019	<0.036	<0.019	<0.019	<0.019	<0.019	<0.019
MW-81B	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	NS (0.068)	<0.068	<0.019	NS (0.019)	<0.019	<0.019	<0.019	0.065	<0.019	<0.019	<0.019	<0.019
MW-82B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	NS (0.019)	<0.019	<0.019	0.1	<0.019	<0.019	<0.019	<0.019	NS (0.019)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	750	76	86	50	78	25	97	150	150	31
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	580	200	<0.019	2.7	6.5	0.4	<0.019	0.04	<0.019	<0.019
MW-88B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	0.15	0.13
MW-89B	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	0.054	<0.019	0.05	<0.032	<0.019	<0.019	<0.019	0.52	<0.019
MW-90B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	0.34	<0.019	<0.019	<0.019	<0.019	<0.019
MW-92B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	0.24	<0.019
MW-93B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-96B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-98B	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.020	0.037	<0.019	0.063	<0.019
P-10	NS (0.37)	NS (0.42)	NS (0.46)	NS (0.50)	NS (0.55)	NS (0.59)	NS (0.63)	NS (0.68)	NS (0.72)	NS (0.76)	NS (0.80)	NS (0.85)	0.89	NS (0.89)	NS (0.89)	NS (0.89)	NS (0.89)	NS (0.89)	NS (0.89)	NS (0.89)	NS (0.89)	NS (0.89)	NS (0.89)
P-11	<0.38	<0.070	NS (0.070)	<0.070	NS (0.070)	<0.070	<0.050	0.23	<0.052	0.13	<0.067	0.26	<0.069	0.15	NS (0.085)	<0.019	0.05	0.076	<0.019	1	<0.019	0.48	<0.019
P-12	NS (0.72)	NS (0.81)	<0.90	NS (0.82)	NS (0.73)	NS (0.65)	NS (0.57)	NS (0.48)	NS (0.40)	NS (0.32)	NS (0.23)	NS (0.15)	<0.066	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)
TW-41B	NA	NA	NA	<0.070	NS (5.0)	NS (10)	15	<0.050	<0.10	<0.066	0.26	<0.085	13	26	NS (18)	9.8	67	7.1	29	2.8	87	39	75

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Dibenzofuran Input Data

	Jul. 1993	Jan. 1994	Jul. 1994	Jan. 1995	Jul. 1995	Jan. 1996	Jul. 1996	Jan. 1997	Jul. 1997	Jan. 1998	Jan. 1999	Jul. 1999	Jan. 2000	Jul. 2000	Jan. 2001	Jul. 2001	Jan. 2002	Jul. 2002	Jul. 2003	Jan. 2004	Jan. 2005	Jul. 2005	Jan. 2006	Jul. 2006	Jan. 2007
MW-10B	NA	NA	250	260	120	57	258	130	41	<10	34	NS (24)	15	200	36	29	32	76	NS (37)	17	4.8	29	0.2	32	3.1
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	0.27	29	26	36	3
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)	NS (281)	NS (285)	290
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (8.2)	NS (6.4)	NS (2.7)	<0.90	NS (2.0)	3	5	2	3	2	NS (1.9)	NS (1.9)	NS (1.9)	NS (1.8)	NS (1.8)	NS (1.8)	1.8
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	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)	NS (16)	NS (13)	NS (9.8)
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	NA
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	<0.30	<0.30	0.3	<0.30	<0.070	NS (0.066)	NS (0.063)	NS (0.059)	NS (0.057)	NS (0.054)	NS (0.052)	<0.050
MW-29B	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.066)	NS (0.063)	NS (0.059)	NS (0.057)	NS (0.054)	NS (0.052)	<0.050
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	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	NA	NA	175
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	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	NA	NA	391
MW-36B	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-38B	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	<0.076	NS (0.067)	NS (0.063)	NS (0.059)	NS (0.054)	<0.050
MW-39B	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	<0.076	NS (0.12)	NS (0.15)	NS (0.17)	NS (0.19)	0.22
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.078	NS (85)	NS (127)	NS (170)	NS (212)	255
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)	NS (427)	NS (469)	512
MW-42B	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050
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	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	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	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	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	NA
MW-59B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-62B	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-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	NA
MW-67B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
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	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	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	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	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	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	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	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	NA	NA	NA
MW-80B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-81B	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-82B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
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	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	NA
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-89B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-90B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-93B	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)
MW-96B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-98B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
P-10	28	13	32	33	30	12	51	2,800	12	38	44	NS (101)	160	160	110	130	140	11	NS (3.7)	<0.076	0.89	31	33	9.5	4.4
P-11	38	26	73	59	49	<10	48	<50	<10	<10	<10	NS (38)	67	5	<0.30	<0.30	0.9	0.2	NS (2.7)	4	13	NS (11)	NS (8.8)	NS (6.7)	NS (4.5)
P-12	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	NS (5.8)	<1.5	<0.30	<0.30	<0.30	<0.30	<0.070	NS (0.074)	<0.076	<0.080	<0.080	<0.080	<0.060	<0.060
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	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Dibenzofuran Input Data

	Jul. 2007	Jan. 2008	Jul. 2008	Jan. 2009	Jul. 2009	Jan. 2010	Jul. 2010	Jan. 2011	Jul. 2011	Jan. 2012	Jul. 2012	Jan. 2013	Jul. 2013	Jan. 2014	Jul. 2014	Jan. 2018	Jul. 2018	Jan. 2019	Jul. 2019	Jan. 2020	Jul. 2020	Jan. 2021	Jul. 2021	Jan. 2022	Jul. 2022
MW-10B	33	26	39	35	23	18	25	37	19	38	20	40	302	<4.9	26	48	21	28	13	22	6.7	17	1.9	6.1	2.8
MW-11B	41	27	65	31	54	12	48	6	38	<0.50	40	3.5	23	<11	20	<0.020	32	<0.020	51	<0.020	24	5.7	34	9	20
MW-12B	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)	<320,000 (738)	760	49	150	260	900
MW-14	NS (1.1)	0.49	0.5	0.45	NS (0.45)	0.44	NS (0.37)	0.3	0.31	0.15	0.34	0.47	0.37	0.44	0.44	0.24	NS (0.13)	<0.020	0.087	<0.020	0.062	0.21	0.028	<0.14	<0.020
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	52	13	59	51	27	2.5	NS (1.3)	0.14	13	<0.020	9.7	6.1	22	7.4	18
MW-22B	NS (6.7)	3.6	67	5.1	NS (3.5)	1.9	NS (1.00)	<0.080	0.68	7.9	46	NS (33)	NS (21)	7.8	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NS (0.70)	0.29	<0.020	<0.29	0.057	0.055	<0.020	0.12	<0.20
MW-24B	NS (0.31)	0.57	<0.30	<0.080	NS (0.080)	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.076	<0.078	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-29B	NS (0.17)	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	1.2	<19	NS (31)	43	NS (457)	NS (3,389)	NS (3,804)	NS (4,226)	NS (4,640)	<28,000 (5,062)	<250,000 (5,479)	5,900	160	220	4,100
MW-33B	NS (147)	118	205	460	NS (321)	180	NS (175)	170	530	380	150	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	<385 (50)	50	77	87	1.9	NS (1.00)	0.079	12	3.9	8.5	27	40	16	22
MW-35B	NS (295)	198	104	160	NS (195)	230	220	200	210	97	140	161	252	256	138	220	NS (118)	15	29	54	54	96	63	31	93
MW-36B	NA	NA	NA	NA	NA	NA	<0.080	<0.080	<0.050	<0.050	0.11	<0.12	<0.080	<0.41	<0.078	<0.020	NS (0.020)	<0.020	0.087	<0.12	0.4	<0.020	<0.020	0.038	<0.020
MW-38B	NS (0.17)	<0.30	<0.29	<0.080	NS (0.080)	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.28	<0.076	<0.076	0.092	<0.41	8	NS (4.0)	<0.020	0.14	5.4	<0.020	<0.020	0.15	<0.020	<0.020
MW-39B	NS (0.26)	<0.30	<0.29	<0.080	NS (0.080)	<0.080	NS (0.080)	<0.080	<0.050	0.4	0.067	<0.076	<0.076	<0.77	<0.082	0.1	NS (0.060)	<0.020	0.037	0.19	<0.11	<0.020	<0.020	<0.020	0.28
MW-40B	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	81	240	160	100	73
MW-41B	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	33	39	51	240	550
MW-42B	NS (0.37)	0.7	NS (0.62)	NS (0.53)	NS (0.45)	0.37	NS (0.29)	NS (0.22)	<0.14	0.16	0.066	0.22	0.13	0.21	<0.079	<0.020	NS (0.020)	<0.020	0.038	0.065	<0.020	0.078	<0.020	<0.020	<0.020
MW-49B	NA	NA	NA	71	NS (37)	2.6	NS (1.4)	0.18	1.8	19	120	200	<7.6	484	80	30	NS (42)	NS (53)	NS (65)	<160,000 (76)	88	210	760	330	330
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	0.58	0.52	<0.020	0.065	<0.020
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.076	<0.020	<0.040	<0.020	<0.020	<0.020
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	230	<15	309	<385 (223)	138	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	380	814	322	392	226	290	NS (300)	NS (310)	320	490	56	38	150	68	180
MW-59B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	<0.080	<0.050	<0.050	<0.050	<0.076	<0.076	<0.076	<0.20	<0.020	NS (0.020)	<0.020	<0.020	<0.050	<0.020	<0.069	<0.020	<0.020	<0.020
MW-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	0.023	<0.020	<0.020	<0.020	<0.020
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-62B	NA	NA	NA	2.4	NS (7.7)	13	0.34	<0.080	230	0.12	38	0.17	<0.076	<0.076	0.092	48	NS (24)	<0.020	0.048	4.2	38	1.3	21	<0.020	45
MW-63B	NA	NA	NA	NA	NA	22	NS (18)	13	4.9	2.4	2.6	5.8	1	2	6.6	2	NS (5.3)	8.7	11	<0.063	2.1	<0.84	9.1	4.1	5.6
MW-67B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	<0.080	<0.050	0.13	<0.050	<0.076	<0.076	<0.077	<0.077	0.069	NS (0.045)	<0.020	<0.020	<0.020	<0.020	<0.032	<0.020	<0.020	<0.020
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	300	260	325	284	198	380	NS (251)	120	210	500	1,300	69	3,200	120	280
MW-70B	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	570	120	220	2,500	<76,000 (2,500)
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	<0.16	2.4	29	18	<0.078	4	NS (2.0)	<0.020	16	4.9	1.5	0.13	6.8	2.8	2
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180	355	348	1,210	NS (1,076)	130	NS (74)	17	160	61	52	46	66	88	110
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78	0.067	<0.076	<0.078	10	<0.079	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	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	270	85	280	1,600	4,800
MW-75B	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	47	7.3	410	NS	NS
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	0.13	<0.020	0.058	0.075	<0.020
MW-80B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	<0.020	NS (0.020)	<0.020	<0.020	0.048	<0.020	<0.020	<0.020	<0.020	<0.020
MW-81B	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	<0.078	<0.020	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-82B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	NS (0.020)	<0.020	<0.020	0.04	<0.020	0.045	<0.020	<0.020	NS (0.020)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	23	20	14	23	7.7	31	42	37	8.6
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220	77	<0.020	5.4	15	2.3	<0.020	<0.020	<0.020	<0.020
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.024	<0.020	<0.020	0.12	0.051
MW-89B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.11	<0.020	<0.020	<0.020	0.16	<0.020
MW-90B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	0.11	<0.020	<0.020	<0.020	<0.020	<0.020
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	0.38	<0.020
MW-93B	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	0.071	<0.020	<0.020	<0.020	<0.020	<0.033
MW-96B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-98B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.038	0.098	<0.020	0.085	<0.020
P-10	27	1.8	1.8	<0.70	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.50	<0.076	<0.081	0.14	3	0.93	4.7	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
P-11	NS (2.4)	<0.31	<0.28	0.24	NS (0.17)	0.093	NS (0.087)	<0.080	0.13	3.5	0.59	0.14	<0.076	1	0.18	1.6	NS (0.82)	<0.020	0.079	0.16	<0.19	3.2	0.084	1.5	0.059
P-12	<4.1	7.2	<0.30	<0.70	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.50	<0.076	<0.080	<0.074	<0.076	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TW-41B	NA	NA	NA	NA	NA	<0.080	NS (9.7)	NS (19)	29	<0.050	16	<0.076	10	<0.076	85	34	NS (30)	26	74	55	34	29	79	53	78

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Naphthalene Input Data

	Jul. 1993	Jan. 1994	Jul. 1994	Jan. 1995	Jul. 1995	Jan. 1996	Jul. 1996	Jan. 1997	Jul. 1997	Jan. 1998	Jan. 1999	Jul. 1999	Jan. 2000	Jul. 2000	Jan. 2001	Jul. 2001	Jan. 2002	Jul. 2002	Jul. 2003	Jan. 2004	Jan. 2005	Jul. 2005	Jan. 2006	Jul. 2006	Jan. 2007
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)	1.9	1.7	79	<0.060	90	0.24
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	<0.060	186	2.5	100	0.13
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)	NS (5,976)	NS (6,064)	NS (6,153)	NS (6,241)	6,330
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (12)	NS (14)	NS (18)	20	NS (27)	34	67	21	24	15	NS (13)	NS (12)	NS (9.8)	NS (8.7)	NS (7.7)	NS (6.7)	5.6
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	NA
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000	NS (502)	9	6	6	11	8	5.7	NS (5.1)	NS (4.0)	NS (3.5)	NS (2.9)	NS (2.4)	NS (1.8)
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	NA
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75	<0.30	0.6	0.9	<0.30	<0.10	NS (0.087)	NS (0.080)	NS (0.067)	NS (0.060)	NS (0.053)	NS (0.047)	<0.040
MW-29B	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	0.2	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	0.2
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	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	NA	NA	15,000
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	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	NA	NA	17,000
MW-36B	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-38B	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	<0.067	NS (0.081)	NS (0.088)	NS (0.096)	NS (0.10)	0.11
MW-39B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	NS (2.2)	NS (1.9)	NS (1.5)	NS (1.1)	0.71
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.47	NS (3,226)	NS (4,821)	NS (6,443)	NS (8,038)	9,660
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17,650	NS (14,621)	NS (13,123)	NS (11,601)	NS (10,103)	8,580
MW-42B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82
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	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	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	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	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	NA
MW-59B	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-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-62B	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-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	NA	NA
MW-67B	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)
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	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	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	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	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	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	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	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	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	NA	NA	NA	NA	NA	NA
MW-81B	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-82B	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)
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	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	NA	NA
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-89B	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)
MW-90B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-93B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-96B	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)
MW-98B	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)
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)	<0.067	14	464	433	62	20
P-11	230	280	190	200	200	26	75	<10	15	<10	<10	NS (5.9)	1.7	110	<0.30	<0.30	<0.30	2	NS (5.3)	7	198	NS (171)	NS (143)	NS (115)	NS (88)
P-12	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.1)	0.1	<0.30	<0.30	0.5	<0.30	<0.10	NS (0.078)	<0.067	<0.060	<0.060	<0.060	<0.070	<0.070
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	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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Naphthalene Input Data

	Jul. 2007	Jan. 2008	Jul. 2008	Jan. 2009	Jul. 2009	Jan. 2010	Jul. 2010	Jan. 2011	Jul. 2011	Jan. 2012	Jul. 2012	Jan. 2013	Jul. 2013	Jan. 2014	Jul. 2014	Jan. 2018	Jul. 2018	Jan. 2019	Jul. 2019	Jan. 2020	Jul. 2020	Jan. 2021	Jul. 2021	Jan. 2022	Jul. 2022
MW-10B	25	19	14	2.8	8.2	3.7	56	75	1.8	84	4	4	207	65	125	1.3	0.74	0.56	0.23	2.1	<0.66	1.4	<0.065	0.28	0.19
MW-11B	90	35	77	<0.80	48	<0.60	6.8	<0.60	60	<0.50	4	<0.076	5.4	0.38	14	<0.020	340	<0.020	1,100	<0.020	300	1.6	500	2.1	170
MW-12B	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)	NS (3,029)	NS (2,904)	NS (2,777)	NS (2,653)	<760,000 (2,526)	2,400	17	180	2,400	3,900
MW-14	NS (3.9)	2.2	3.5	3.3	NS (3.2)	3	NS (2.7)	2.4	1.4	1.4	<1.5	2.1	2.2	<1.8	1.4	0.67	NS (0.35)	<0.020	<2.0	<0.020	4.2	<0.40	1.7	<2.8	0.36
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	820	57	943	248	452	20	NS (10)	<0.020	330	<0.020	320	99	420	<19	280
MW-22B	NS (1.2)	0.69	4.4	0.17	NS (0.26)	0.36	NS (0.23)	<0.10	<0.050	3.2	32	NS (65)	NS (97)	130	977	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.8	NS (2.0)	0.17	<0.020	<0.13	<0.020	<0.020	<0.020	0.13	1.4
MW-24B	NS (0.54)	1.1	<0.40	<0.10	NS (0.46)	0.83	NS (0.47)	<0.10	<0.050	<0.050	0.15	<0.076	<0.078	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-29B	NS (0.30)	<0.40	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	26,000	<0.57	<19	NS (1,086)	2,170	NS (2,886)	NS (7,949)	NS (8,665)	NS (9,393)	NS (10,109)	<300,000 (10,836)	<2,300,000 (11,556)	<56,000 (12,284)	13,000	12,000	<46,000 (12,000)
MW-33B	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,900	6,540	1,680	6,590	69	NS (35)	0.04	530	5.1	950	3,200	4,400	1,200	880
MW-35B	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	15,000	NS (7,601)	79	1,100	2,000	2,100	1,900	6.1	14	5.1
MW-36B	NA	NA	NA	NA	NA	NA	<0.10	<0.10	<0.050	<0.24	<0.050	<0.94	0.09	0.83	<0.078	<0.020	NS (0.020)	<0.020	6	<0.93	10	<0.020	<0.020	<0.020	<0.020
MW-38B	NS (0.25)	<0.40	<0.38	4.5	NS (2.3)	<0.10	NS (0.20)	0.31	<0.050	0.37	<1.5	<0.076	<0.076	0.47	<1.6	0.99	NS (0.51)	<0.020	2.6	0.98	<0.020	0.022	<0.22	<0.020	<0.16
MW-39B	NS (0.56)	<0.40	<0.39	0.52	NS (0.35)	0.18	NS (0.47)	0.76	<0.050	<0.34	0.18	0.43	<0.076	<0.77	<0.078	0.82	NS (0.46)	<0.092	<0.41	2.3	<1.1	0.072	<0.020	<0.085	2.7
MW-40B	NS (9,501)	9,340	<94,200 (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	1,800	NS (1,552)	1,300	3,600	7,900	2,300	5,100	4,000	1,500	2,500
MW-41B	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)	NS (9,096)	NS (9,320)	NS (9,548)	NS (9,772)	10,000	2,300	560	2,200	3,700	10,000
MW-42B	NS (0.77)	0.73	NS (0.63)	NS (0.54)	NS (0.44)	0.35	NS (0.39)	NS (0.44)	<0.48	<0.63	1.9	0.48	2.9	2.4	0.43	0.49	NS (0.26)	<0.020	<0.43	<0.76	<0.031	<0.26	<0.21	<0.12	0.44
MW-49B	NA	NA	NA	1,400	NS (820)	230	NS (116)	<0.20	130	47	2,300	1,580	9,380	6,750	5,570	2,500	NS (2,818)	NS (3,140)	NS (3,458)	<1,200,000 (3,781)	4,100	4,500	13,000	15,000	8,900
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	<0.064	<0.67	<0.025	<0.29	<0.020
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	<0.36	<0.063	<0.29	<0.020	<0.020
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	21,000	24,000	2,300	21,900	24,300	13,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	24,000	27,000	18,900	18,100	10,600	17,000	12,000	NS (13,658)	NS (15,342)	17,000	13,000	22,000	4,400	9,400	7,100	15,000
MW-59B	NA	NA	NA	NA	NA	NA	0.14	<0.10	<0.050	0.12	0.06	<0.27	<0.17	<0.17	<6.3	<0.020	NS (0.046)	0.072	<0.15	<0.24	0.2	<0.020	0.049	<0.13	0.048
MW-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.12	0.037	0.7	<0.020	0.13
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.032	<0.12	<0.020	<0.11	<0.068
MW-62B	NA	NA	NA	2.7	NS (1.5)	0.28	9.6	<0.10	35	<0.21	5.6	<1.3	<0.076	<0.076	<0.079	38	NS (19)	<0.020	0.28	1	92	<0.13	69	<0.020	230
MW-63B	NA	NA	NA	NA	NA	3,100	NS (1,940)	760	490	27	44	251	146	374	1,690	290	NS (1,188)	2,100	1,500	<0.35	290	<0.18	910	490	900
MW-67B	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	<0.10	0.62	<0.050	1.9	0.49	<0.076	0.43	<0.71	0.28	0.47	NS (0.25)	<0.020	0.079	<0.020	0.64	0.74	0.057	<0.020	0.13
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,000	26,000	11,800	31,200	17,600	12,600	23,000	NS (14,074)	5,000	9,900	12,000	29,000	2,800	30,000	2,900	4,900
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,300	17,300	NS (23,647)	30,100	18,100	NS (16,290)	NS (16,034)	NS (15,774)	NS (15,518)	<71,000 (15,257)	15,000	4,900	15,000	22,000	<590,000 (22,000)
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	51	<1.9	0.094	2,070	504	<0.47	0.48	NS (0.25)	<0.020	440	6.4	230	4.8	140	<0.34	0.47
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000	<88,500 (20,537)	25,000	<82,800 (23,658)	NS (22,337)	13,000	NS (7,148)	1,200	12,000	2,000	8,800	5,600	7,100	9,400	9,400
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	<0.64	<0.44	<0.67	91	<0.079	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000	10,000	13,900	NS (15,226)	<139,000 (16,574)	17,900	21,000	NS (12,570)	4,000	13,000	8,500	5,900	250	12,000	19,000	<48,000 (19,000)
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,900	9,300	211	NS (13,545)	27,100	5,700	NS (6,846)	NS (7,008)	NS (7,173)	NS (7,335)	7,500	1,400	<0.20	6.5	NS	NS
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.096	2	0.032	<0.24	<0.34	<0.049
MW-80B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	<0.020	NS (0.044)	0.068	<0.020	<0.34	<0.070	<0.23	<0.020	<0.15	0.17
MW-81B	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	<0.078	<0.020	NS (0.089)	0.16	0.099	<0.23	0.97	<0.074	<0.075	<0.14	<0.020
MW-82B	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	0.19	NS (0.11)	<0.020	<0.020	<0.41	<0.020	<0.020	<0.27	0.1	NS (0.10)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,000	1,500	1,600	770	1,200	320	1,900	2,600	2,100	250
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,400	950	<0.020	60	130	25	<0.020	0.5	<0.020	<0.020
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.083	<0.020	<0.37	0.49	1
MW-89B	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	0.9	<0.020	0.25	<0.29	<0.20	<0.020	0.051	3.4	0.038
MW-90B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	0.045	0.091	3	<0.020	<0.020	<0.020	0.11	<0.020
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.10	<0.020	<0.020	5	<0.21
MW-93B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	0.077	0.063	0.14	<0.070
MW-96B	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	0.083	<0.020	<0.020	<0.020	<0.020	<0.062
MW-98B	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	0.036	<0.16	0.32	<0.11	<0.26	<0.039
P-10	297	<0.37	0.79	<0.80	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.076	<0.081	<0.074	0.92	3.4	0.14	<0.020	0.063	0.17	<0.020	<0.020	<0.020	<0.020	0.064
P-11	NS (60)	32	<0.38	2.7	NS (2.7)	2.7	NS (1.4)	<0.10	0.13	1.7	<0.26	0.66	<0.076	55	<0.078	2.4	NS (1.2)	<0.020	<1.8	0.48	<0.11	1.8	<0.22	<0.41	0.11
P-12	<1.2	5.6	0.64	<0.80	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.076	<0.080	<0.074	<0.076	<0.020	<0.020	<0.020	<0.020	0.16	<0.020	<0.020	<0.020	<0.020	0.38
TW-41B	NA	NA	NA	NA	NA	0.14	NS (16)	NS (33)	49	<0.51	<1.3	0.16	3.1	<0.26	149	280	NS (171)	61	690	58	600	13	1,300	210	700

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Naphthalene 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
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
MW-11B	NA	NA	1,100	1,600	1,700	750	2,440	<100	320	<10	608	NS (346)	79	1,500	470	500
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)
MW-14	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<10	NS (12)	NS (14)	NS (18)	20	NS (27)	34	67	21
MW-15B	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
MW-22BR	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	<0.30	0.6	0.9
MW-29B	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30
MW-32B	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
MW-33BR	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
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38B	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)	NS (0.067)
MW-39B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42B	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
MW-50B	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
MW-55B	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
MW-59B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-62B	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
MW-67B	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)
MW-68B	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
MW-71B	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
MW-73B	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
MW-75B	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
MW-80B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-81B	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-82B	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)
MW-83B	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
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-89B	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)
MW-90B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-93B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-96B	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)
MW-98B	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)
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
P-11	230	280	190	200	200	26	75	<10	15	<10	<10	NS (5.9)	1.7	110	<0.30	<0.30
P-12	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS (5.1)	0.1	<0.30	<0.30	0.5
TW-41B	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.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Naphthalene Input Data

	1H-2002	2H-2002	2H-2003	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
MW-10B	75	330	NS (112)	1.9	1.7	79	<0.060	90	0.24	25	19	14	2.8	8.2	3.7	56	75	1.8
MW-11B	220	700	NS (242)	12	<0.060	186	2.5	100	0.13	90	35	77	<0.80	48	<0.60	6.8	<0.60	60
MW-12B	NS (5,444)	NS (5,532)	NS (5,709)	NS (5,798)	NS (5,976)	NS (6,064)	NS (6,153)	NS (6,241)	6,330	NS (5,943)	5,550	NS (36,878)	NS (68,550)	NS (99,706)	NS (131,378)	NS (162,533)	NS (194,206)	NS (225,361)
MW-14	24	15	NS (13)	NS (12)	NS (9.8)	NS (8.7)	NS (7.7)	NS (6.7)	5.6	NS (3.9)	2.2	3.5	3.3	NS (3.2)	3	NS (2.7)	2.4	1.4
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22B	11	8	5.7	NS (5.1)	NS (4.0)	NS (3.5)	NS (2.9)	NS (2.4)	NS (1.8)	NS (1.2)	0.69	4.4	0.17	NS (0.26)	0.36	NS (0.23)	<0.10	<0.050
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	<0.30	<0.10	NS (0.087)	NS (0.080)	NS (0.067)	NS (0.060)	NS (0.053)	NS (0.047)	<0.040	NS (0.54)	1.1	<0.40	<0.10	NS (0.46)	0.83	NS (0.47)	<0.10	<0.050
MW-29B	<0.30	0.2	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	0.2	NS (0.30)	<0.40	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)
MW-32B	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	15,000	NS (13,760)	12,500	16,000	20,000	NS (15,041)	10,000	NS (8,512)	7,000	13,000
MW-33BR	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	17,000	NS (13,182)	9,300	365	12,000	NS (12,992)	14,000	11,000	4,800	12,000
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10	<0.10	<0.050
MW-38B	NS (0.067)	NS (0.067)	NS (0.067)	<0.067	NS (0.081)	NS (0.088)	NS (0.096)	NS (0.10)	0.11	NS (0.25)	<0.40	<0.38	4.5	NS (2.3)	<0.10	NS (0.20)	0.31	<0.050
MW-39B	NA	NA	NA	3	NS (2.2)	NS (1.9)	NS (1.5)	NS (1.1)	0.71	NS (0.56)	<0.40	<0.39	0.52	NS (0.35)	0.18	NS (0.47)	0.76	<0.050
MW-40B	NA	NA	NA	0.47	NS (3,226)	NS (4,821)	NS (6,443)	NS (8,038)	9,660	NS (9,501)	9,340	94,200	9,700	NS (8,857)	8,000	NS (7,058)	6,100	4,000
MW-41B	NA	NA	NA	17,650	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)
MW-42B	NA	NA	NA	NA	NA	NA	NA	NA	0.82	NS (0.77)	0.73	NS (0.63)	NS (0.54)	NS (0.44)	0.35	NS (0.39)	NS (0.44)	<0.48
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,400	NS (820)	230	NS (116)	<0.20	130
MW-50B	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
MW-55B	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
MW-59B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	<0.10	<0.050
MW-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-62B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7	NS (1.5)	0.28	9.6	<0.10	35
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,100	NS (1,940)	760	490
MW-67B	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	<0.10	0.62	<0.050
MW-68B	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
MW-71B	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
MW-73B	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
MW-75B	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
MW-80B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-81B	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-82B	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)
MW-83B	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
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-89B	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)
MW-90B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-93B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-96B	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)
MW-98B	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)
P-10	2,300	200	NS (67)	<0.067	14	464	433	62	20	297	<0.37	0.79	<0.80	<0.60	<0.60	<0.60	<0.60	<0.50
P-11	<0.30	2	NS (5.3)	7	198	NS (171)	NS (143)	NS (115)	NS (88)	NS (60)	32	<0.38	2.7	NS (2.7)	2.7	NS (1.4)	<0.10	0.13
P-12	<0.30	<0.10	NS (0.078)	<0.067	<0.060	<0.060	<0.060	<0.070	<0.070	<1.2	5.6	0.64	<0.80	<0.60	<0.60	<0.60	<0.60	<0.50
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	NS (16)	NS (33)	49

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Naphthalene Input Data

	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
MW-10B	84	4	4	207	65	125	1.3	0.74	0.56	0.23	2.1	<0.66	1.4	<0.065	0.28	0.19
MW-11B	<0.50	4	<0.076	5.4	0.38	14	<0.020	340	<0.020	1,100	<0.020	300	1.6	500	2.1	170
MW-12B	NS (257,033)	NS (288,361)	NS (320,033)	NS (351,189)	NS (382,861)	NS (414,017)	NS (634,344)	NS (665,500)	NS (697,172)	NS (728,328)	760,000	2,400	17	180	2,400	3,900
MW-14	1.4	<1.5	2.1	2.2	<1.8	1.4	0.67	NS (0.35)	<0.020	<2.0	<0.020	4.2	<0.40	1.7	<2.8	0.36
MW-15B	2,500	820	57	943	248	452	20	NS (10)	<0.020	330	<0.020	320	99	420	<19	280
MW-22B	3.2	32	NS (65)	NS (97)	130	977	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	NA	NA	NA	NA	3.8	NS (2.0)	0.17	<0.020	<0.13	<0.020	<0.020	<0.020	0.13	1.4
MW-24B	<0.050	0.15	<0.076	<0.078	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-29B	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)
MW-32B	26,000	<0.57	<19	NS (1,086)	2,170	NS (26,774)	NS (200,769)	NS (225,373)	NS (250,384)	NS (274,988)	300,000	2,300,000	56,000	13,000	12,000	46,000
MW-33B	21,000	7,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	14,900	6,540	1,680	6,590	69	NS (35)	0.04	530	5.1	950	3,200	4,400	1,200	880
MW-35B	7,400	7,600	8,830	14,100	13,100	9,360	15,000	NS (7,601)	79	1,100	2,000	2,100	1,900	6.1	14	5.1
MW-36B	<0.24	<0.050	<0.94	0.09	0.83	<0.078	<0.020	NS (0.020)	<0.020	6	<0.93	10	<0.020	<0.020	<0.020	<0.020
MW-38B	0.37	<1.5	<0.076	<0.076	0.47	<1.6	0.99	NS (0.51)	<0.020	2.6	0.98	<0.020	0.022	<0.22	<0.020	<0.16
MW-39B	<0.34	0.18	0.43	<0.076	<0.77	<0.078	0.82	NS (0.46)	<0.092	<0.41	2.3	<1.1	0.072	<0.020	<0.085	2.7
MW-40B	4,200	6,000	6,780	7,730	6,070	4,240	1,800	NS (1,552)	1,300	3,600	7,900	2,300	5,100	4,000	1,500	2,500
MW-41B	NS (6,380)	NS (6,605)	NS (6,833)	NS (7,058)	NS (7,286)	NS (7,510)	NS (9,096)	NS (9,320)	NS (9,548)	NS (9,772)	10,000	2,300	560	2,200	3,700	10,000
MW-42B	<0.63	1.9	0.48	2.9	2.4	0.43	0.49	NS (0.26)	<0.020	<0.43	<0.76	<0.031	<0.26	<0.21	<0.12	0.44
MW-49B	47	2,300	1,580	9,380	6,750	5,570	2,500	NS (299,414)	NS (601,250)	NS (898,164)	1,200,000	4,100	4,500	13,000	15,000	8,900
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	<0.064	<0.67	<0.025	<0.29	<0.020
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	<0.36	<0.063	<0.29	<0.020	<0.020
MW-55B	21,000	24,000	2,300	21,900	24,300	13,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	24,000	27,000	18,900	18,100	10,600	17,000	12,000	NS (13,658)	NS (15,342)	17,000	13,000	22,000	4,400	9,400	7,100	15,000
MW-59B	0.12	0.06	<0.27	<0.17	<0.17	<6.3	<0.020	NS (0.046)	0.072	<0.15	<0.24	0.2	<0.020	0.049	<0.13	0.048
MW-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.12	0.037	0.7	<0.020	0.13
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.032	<0.12	<0.020	<0.11	<0.068
MW-62B	<0.21	5.6	<1.3	<0.076	<0.076	<0.079	38	NS (19)	<0.020	0.28	1	92	<0.13	69	<0.020	230
MW-63B	27	44	251	146	374	1,690	290	NS (1,188)	2,100	1,500	<0.35	290	<0.18	910	490	900
MW-67B	1.9	0.49	<0.076	0.43	<0.71	0.28	0.47	NS (0.25)	<0.020	0.079	<0.020	0.64	0.74	0.057	<0.020	0.13
MW-68B	14,000	26,000	11,800	31,200	17,600	12,600	23,000	NS (14,074)	5,000	9,900	12,000	29,000	2,800	30,000	2,900	4,900
MW-70B	NA	5,300	17,300	NS (23,647)	30,100	18,100	NS (51,788)	NS (56,551)	NS (61,394)	NS (66,157)	71,000	15,000	4,900	15,000	22,000	590,000
MW-71B	51	<1.9	0.094	2,070	504	<0.47	0.48	NS (0.25)	<0.020	440	6.4	230	4.8	140	<0.34	0.47
MW-72B	NA	16,000	88,500	25,000	82,800	NS (74,153)	13,000	NS (7,148)	1,200	12,000	2,000	8,800	5,600	7,100	9,400	9,400
MW-73B	1.4	<0.64	<0.44	<0.67	91	<0.079	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	16,000	10,000	13,900	NS (75,936)	139,000	17,900	21,000	NS (12,570)	4,000	13,000	8,500	5,900	250	12,000	19,000	48,000
MW-75B	8,900	9,300	211	NS (13,545)	27,100	5,700	NS (6,846)	NS (7,008)	NS (7,173)	NS (7,335)	7,500	1,400	<0.20	6.5	NS	NS
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.096	2	0.032	<0.24	<0.34	<0.049
MW-80B	NA	NA	NA	NA	NA	1.6	<0.020	NS (0.044)	0.068	<0.020	<0.34	<0.070	<0.23	<0.020	<0.15	0.17
MW-81B	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	<0.078	<0.020	NS (0.089)	0.16	0.099	<0.23	0.97	<0.074	<0.075	<0.14	<0.020
MW-82B	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	NS (0.19)	0.19	NS (0.11)	<0.020	<0.020	<0.41	<0.020	<0.020	<0.27	0.1	NS (0.10)
MW-83B	NA	NA	NA	NA	NA	NA	14,000	1,500	1,600	770	1,200	320	1,900	2,600	2,100	250
MW-84B	NA	NA	NA	NA	NA	NA	2,400	950	<0.020	60	130	25	<0.020	0.5	<0.020	<0.020
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.083	<0.020	<0.37	0.49	1
MW-89B	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	NS (0.90)	0.9	<0.020	0.25	<0.29	<0.20	<0.020	0.051	3.4	0.038
MW-90B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	0.045	0.091	3	<0.020	<0.020	<0.020	0.11	<0.020
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.10	<0.020	<0.020	5	<0.21
MW-93B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	0.077	0.063	0.14	<0.070
MW-96B	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	NS (0.083)	0.083	<0.020	<0.020	<0.020	<0.020	<0.062
MW-98B	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	NS (0.036)	0.036	<0.16	0.32	<0.11	<0.26	<0.039
P-10	<0.50	<0.50	<0.076	<0.081	<0.074	0.92	3.4	0.14	<0.020	0.063	0.17	<0.020	<0.020	<0.020	<0.020	0.064
P-11	1.7	<0.26	0.66	<0.076	55	<0.078	2.4	NS (1.2)	<0.020	<1.8	0.48	<0.11	1.8	<0.22	<0.41	0.11
P-12	<0.50	<0.50	<0.076	<0.080	<0.074	<0.076	<0.020	<0.020	<0.020	<0.020	0.16	<0.020	<0.020	<0.020	<0.020	0.38
TW-41B	<0.51	<1.3	0.16	3.1	<0.26	149	280	NS (171)	61	690	58	600	13	1,300	210	700

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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	2H-2010	1H-2011
MW-12C	<5.0 (0.80)	<5.0 (0.80)	NS (0.80)	<0.80	1	<2.0	<2.0	<2.0	NS (2.2)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50
MW-15C	<5.0 (0.40)	<0.40	NS (0.70)	1	<0.80	<2.0	<2.0	<2.0	NS (2.2)	<2.6	1.1	<0.25	0.96	1.2	NS (1.1)	0.96
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	93	73	57	43	30	24	NS (24)	23
MW-18C	<5.0	80	NS (164)	NS (246)	330	850	NS (889)	NS (928)	NS (1,046)	1,280	1,340	964	1,400	1,500	NS (1,401)	1,300
MW-19C	NS (0.40)	<0.40	NS (0.60)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (2.2)	<2.6	4	<0.25	<0.50	5.6	NS (3.1)	<0.50
MW-21C	NS (0.80)	<5.0 (0.80)	NS (0.80)	<0.80	<0.80	<2.0	<2.0	<2.0	NS (2.2)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50
MW-23C	NA	40	NS (43)	46	NS (45)	NS (45)	NS (44)	43	NS (36)	21	NS (19)	NS (18)	17	12	NS (9.6)	7.2
MW-24C	NS (0.80)	NS (0.80)	<5.0 (0.80)	<0.80	<2.0	<2.0	<2.0	<2.0	NS (2.2)	<2.6	<2.6	<1.1	<0.50	<0.50	NS (0.50)	<0.50
MW-25C	NA	NA	35	NS (39)	NS (43)	NS (48)	NS (52)	NS (56)	NS (68)	94	110	NS (110)	NS (110)	110	NS (101)	92
MW-27C	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	<2.0	<2.0	<2.0	<2.0	NS (2.2)	<2.6	<2.6	<1.1	<0.50	<0.50	NS (0.50)	<0.50
MW-28C	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	<2.0	<2.0	<2.0	<2.0	NS (2.2)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50
MW-29C	NS (2.0)	NS (2.0)	NS (2.0)	NS (2.0)	<2.0	<2.0	<2.0	<2.0	NS (2.2)	<2.6	<2.6	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	18	NS (26)	29	NS (25)	NS (22)	NS (15)	NS (12)	NS (8.2)
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NS (2.9)	NS (2.9)	NS (2.9)	NS (2.9)	NS (2.9)	NS (2.9)	NS (2.9)	NS (2.9)	<2.9	<2.6	<0.25	NS (0.36)	NS (0.46)	NS (0.68)	NS (0.79)	NS (0.89)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	125	74	45	NS (43)	NS (41)	NS (37)	NS (36)	NS (34)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	81	90	22	NS (22)	NS (23)	NS (23)	NS (23)	NS (24)
MW-47C	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	NS (0.25)	<0.25	<1.1	<0.50	<0.50	NS (0.50)	<0.50
MW-48C	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	<1.4	<2.6	<0.25	<1.1	<0.50	<0.50	<0.50	<0.50
MW-51C	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)
MW-53C	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)	<0.50
MW-54C	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	<2.6	<2.6	<0.25	<0.50	<0.50	NS (0.50)	<0.50
MW-68C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.81	2.1
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)
MW-83C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-85C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-86C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-87C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-88C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)
MW-99C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Benzene C-TZ Input Data

	2H-2011	1H-2012	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	2H-2022
MW-12C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.080	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-15C	<1.0	<1.0	<0.50	0.95	0.83	0.86	0.78	0.63	0.58	0.5	0.59	0.45	0.67	0.51	<1.0	0.42
MW-17C	10	16	13	11	16	9.4	13	14	12	9.7	<0.20	7.1	18	19	11	8.1
MW-18C	1,200	1,300	1,200	1,510	1,230	1,510	1,450	1,400	300	1,200	1,100	960	1,300	980	890	980
MW-19C	<1.0	5	<0.50	0.56	4.3	0.28	0.08	4.1	4.4	0.4	0.32	0.58	2.2	0.45	<1.0	1.7
MW-21C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-23C	<10 (7.2)	<10 (7.1)	7.1	11	14	13	6	NS (3.9)	NS (3.3)	NS (3.0)	2.7	1.4	2.1	<5.0 (3.8)	5.5	5.8
MW-24C	<1.0	<1.0	<0.50	<0.080	<0.080	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)
MW-25C	76	39	30	30	28	22	12	1.3	<0.20	1.3	1.7	1.6	1.6	<2.0	<0.20	<2.0
MW-27C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-28C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-29C	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
MW-34C	NS (4.8)	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	NA	NA	0.15	<0.20	<0.20	NS (0.56)	NS (0.93)	1.3	2.3	3.8	<0.20	<0.20
MW-44C	<1.0	NS (0.99)	<5.0 (0.98)	0.96	NS (0.91)	NS (0.85)	NS (0.80)	NS (0.42)	NS (0.31)	NS (0.25)	<0.20	<0.20	0.25	<0.20	<0.20	<0.20
MW-45C	NS (32)	NS (30)	NS (28)	NS (26)	NS (25)	NS (23)	NS (21)	NS (7.9)	NS (4.2)	NS (2.4)	0.5	2.6	1.6	2.3	0.79	170
MW-46C	NS (24)	NS (24)	NS (24)	NS (25)	NS (25)	NS (25)	NS (25)	NS (27)	NS (28)	NS (28)	28	3.7	1.8	<0.20	3.5	13
MW-47C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	NS (0.17)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-48C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-51C	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	0.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-53C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-54C	<1.0	<1.0	<0.50	<0.080	<0.080	<0.20	<0.080	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-68C	3.2	6.9	7.9	1.3	3.6	2.3	7.3	4.9	<0.20	<0.20	0.56	<0.20	0.36	<0.20	<0.20	<0.20
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19	21	0.59	<0.20	<0.20	<0.20
MW-76C	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	NS (0.15)	0.15	0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-83C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-85C	NA	NA	NA	NA	NA	NA	NA	13	<0.20	0.93	<0.20	<5.0 (0.20)	<0.20	<0.20	<0.20	<10
MW-86C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-87C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-88C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-99C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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	2H-2012
MW-12C	<10	<10	NS (9.3)	NS (4.1)	<0.18	<0.31	<0.32	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050
MW-15C	<10	<1.0	NS (0.94)	NS (0.51)	<0.18	<0.29	<0.32	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050
MW-17C	NA	NA	NA	25	<0.050	<2.9	0.54	2.8	44	NS (24)	3.5	1,500	<0.050	39
MW-18C	<10	<1.0	NS (0.94)	NS (0.43)	<0.050	<150	<3.1	84	8.1	NS (10)	12	3.1	10	<2.1
MW-19C	NS (1.0)	<1.0	NS (0.94)	NS (0.43)	<0.050	<0.29	<0.28	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	0.16
MW-21C	NS (10)	<10	NS (9.3)	NS (4.0)	<0.050	<0.29	<0.29	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050
MW-23C	NS (1.0)	<1.0	NS (0.94)	NS (0.43)	<0.050	NS (0.065)	NS (0.072)	<0.080	<0.080	NS (0.080)	<0.080	3.5	1.4	28
MW-24C	NS (1.0)	NS (1.0)	<1.0	NS (0.53)	<0.18	<0.29	<0.29	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050
MW-25C	NS (1.0)	NS (1.0)	<1.0	NS (3.2)	4.9	<2,900 (3.3)	NS (2.5)	NS (1.7)	<0.080	NS (0.080)	<0.080	5.1	<0.050	<0.050
MW-27C	NS (0.46)	NS (0.46)	NS (0.46)	NS (0.46)	0.46	<0.43	<0.32	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050
MW-28C	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.29	1.1	<0.080	0.2	NS (0.14)	0.086	<0.050	<0.050	<0.050
MW-29C	NS (0.18)	NS (0.18)	NS (0.18)	NS (0.18)	<0.18	<0.29	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)
MW-34C	NS (0.12)	NS (0.12)	NS (0.12)	<0.12	NS (4.5)	<5.9	NS (5.2)	NS (4.5)	NS (3.1)	NS (2.4)	NS (1.6)	NS (0.94)	0.22	NA
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	0.25	<0.050	2.2	NS (1.9)	NS (1.6)	NS (0.96)	NS (0.66)	NS (0.35)	<0.050	NS (0.40)	<0.75
MW-45C	NA	NA	NA	2.3	<0.050	10	NS (10.0)	NS (9.5)	NS (8.7)	NS (8.2)	NS (7.8)	NS (7.4)	NS (6.9)	NS (6.5)
MW-46C	NA	NA	NA	0.91	<0.050	<1.4	NS (1.3)	NS (1.3)	NS (1.2)	NS (1.1)	NS (1.1)	NS (1.0)	NS (0.99)	NS (0.94)
MW-47C	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	<0.29	<0.32	<0.080	0.11	NS (0.095)	<0.080	<0.050	<0.050	0.42
MW-48C	NS (1.7)	NS (1.7)	NS (1.7)	1.7	<0.050	<0.29	<0.33	<0.080	7.3	<0.080	<0.080	<0.050	<0.050	0.14
MW-51C	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)
MW-53C	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050	<0.29	<0.33	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050
MW-54C	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050	<0.29	<0.29	<0.080	<0.080	NS (0.080)	<0.080	<0.050	0.098	<0.050
MW-68C	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080	0.12	0.31	0.95	1.4
MW-70C	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)
MW-76C	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)
MW-83C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-85C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-86C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-87C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-88C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)
MW-99C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2,4-Dimethylphenol C-TZ Input Data

	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022
MW-12C	<0.29	<0.30	<0.30	<0.30	<0.040	<0.040	0.43	<0.040	<0.040	0.079	0.12	<0.040	<0.040
MW-15C	113,000	<0.30	<3.0	<0.29	<0.040	<0.040	5.2	<0.040	<0.040	0.1	<0.040	<0.040	<0.040
MW-17C	42	<30	<30	7,090	590	470	210	<0.040	170	710	2,100	76	640
MW-18C	<153	<15	<30	33	82	290	5.1	23	67	<0.40	9.7	6.1	9.2
MW-19C	1.3	<0.30	<0.60	<0.29	2.8	<0.32	<0.56	<0.040	<0.040	<0.040	<0.040	0.18	<0.040
MW-21C	<0.29	<0.30	<0.29	<0.30	<0.040	<0.040	0.1	<0.040	<0.040	<0.040	<0.040	<0.040	0.064
MW-23C	<2.8	<15	<73	202	NS (103)	NS (75)	NS (61)	<47	22	6.9	15	47	30
MW-24C	<0.30	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)
MW-25C	<298	<31	372	<0.30	7.5	<0.040	7.5	6.2	18	<0.040	3.3	0.63	<4.0
MW-27C	<0.30	<0.29	<0.30	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-28C	<0.28	<0.29	<0.31	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	0.078	<0.040	<0.040	<0.040
MW-29C	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	<0.30	<0.040	<0.040	NS (0.040)	NS (0.041)	<0.041	<0.040	<0.040	<0.040	<0.040
MW-44C	<1,490 (0.71)	NS (0.66)	NS (0.62)	NS (0.58)	NS (0.28)	NS (0.20)	NS (0.15)	0.11	<0.040	<0.040	<0.040	0.23	<0.040
MW-45C	NS (6.1)	NS (5.7)	NS (5.2)	NS (4.8)	NS (1.8)	NS (0.90)	NS (0.47)	<0.040	<0.040	<0.040	0.88	4.8	<2,000
MW-46C	NS (0.88)	NS (0.83)	NS (0.78)	NS (0.73)	NS (0.37)	NS (0.26)	NS (0.21)	0.16	<0.040	0.23	<0.40	16	20
MW-47C	NS (0.36)	<0.31	NS (0.30)	<0.29	NS (0.14)	0.095	<0.040	0.2	<0.040	<0.040	<0.040	<0.040	<0.040
MW-48C	<0.29	<0.30	<0.29	<0.29	<0.040	1	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-51C	NS (0.29)	NS (0.29)	NS (0.29)	<0.29	<0.040	<0.040	<0.040	<0.040	0.07	<0.040	<0.040	<0.040	<0.040
MW-53C	<0.30	<0.31	<1.5	<0.30	<0.040	<0.040	<0.040	<1.1	<0.040	<0.040	<0.040	<0.040	<0.040
MW-54C	<0.30	<0.31	<0.29	<0.31	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-68C	NS (0.84)	<0.29	0.45	<0.29	1.5	<0.040	<0.040	<0.040	<0.040	0.45	<0.040	1.2	<0.040
MW-70C	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	NS (0.41)	0.41	<0.040	0.22	<0.040	<0.040	<0.040
MW-76C	NS (0.29)	NS (0.29)	NS (0.29)	<0.29	1.8	4.1	<0.040	<0.38	0.12	0.06	<0.040	<0.040	<0.040
MW-83C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	0.61	<0.040	<0.040	<0.040	<0.040
MW-85C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.041	<0.040	<0.040	<0.040	<0.040	<0.040	0.49	0.59
MW-86C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	0.18	<0.040	<0.040	<0.040	<0.040	<0.040
MW-87C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-88C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-99C	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

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, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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	1H-2009	1H-2010	2H-2010	1H-2011
MW-12C	<10	<10	NS (5.1)	<0.20	<0.30	<0.20	<0.20	<0.070	NS (0.077)	0.09	<0.41	<0.42	0.45	0.24	NS (0.18)	0.12
MW-15C	20	<1.0	NS (2.0)	3	2	13	3	<0.070	NS (0.13)	0.25	<0.39	<0.42	0.084	<0.070	NS (0.070)	<0.070
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	294	77	1,090	95	85	99	NS (87)	75
MW-18C	125	100	NS (244)	NS (386)	530	1,400	NS (1,346)	NS (1,293)	NS (1,133)	812	894	674	950	460	NS (386)	310
MW-19C	NS (1.0)	<1.0	NS (0.75)	0.5	<0.30	0.3	<0.30	<0.070	NS (0.12)	0.23	1.3	<0.38	0.25	1.7	NS (0.97)	0.22
MW-21C	NS (10)	<10	NS (5.1)	<0.20	<0.30	<0.30	<0.20	<0.070	NS (0.073)	<0.080	<0.38	<0.39	<0.070	<0.070	NS (0.070)	<0.070
MW-23C	NA	100	NS (160)	220	NS (240)	NS (260)	NS (280)	300	NS (355)	465	NS (1,531)	NS (2,063)	2,600	2,700	NS (1,956)	1,200
MW-24C	NA	NA	6.5	<0.20	<0.20	<0.30	<0.30	<0.070	NS (0.070)	0.07	<0.38	<0.38	<0.070	<0.070	NS (0.070)	<0.070
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)	NS (96,749)	760	NS (1,077)	1,400
MW-27C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.30	<0.30	<0.070	NS (0.15)	0.3	<0.57	<0.42	<0.070	<0.070	NS (0.070)	<0.070
MW-28C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.30	0.6	0.2	NS (0.31)	0.54	<0.38	<0.44	0.097	0.24	NS (0.16)	0.079
MW-29C	NS (0.20)	NS (0.20)	NS (0.20)	NS (0.20)	<0.20	<0.30	<0.20	0.08	NS (0.073)	<0.060	<0.38	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	212	NS (381)	437	NS (383)	NS (328)	NS (218)	NS (164)	NS (109)
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	NA	NA	NA	NA	NA	204	368	5.5	NS (4.7)	NS (3.9)	NS (2.4)	NS (1.6)	NS (0.82)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	1,174	812	1,010	NS (968)	NS (926)	NS (842)	NS (800)	NS (757)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	203	380	83	NS (87)	NS (92)	NS (102)	NS (107)	NS (112)
MW-47C	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	<0.38	<0.42	<0.070	<0.070	NS (0.070)	<0.070
MW-48C	NS (4.4)	NS (4.4)	NS (4.4)	NS (4.4)	NS (4.4)	NS (4.4)	NS (4.4)	NS (4.4)	4.4	<0.080	<0.38	<0.44	<0.070	180	<0.070	<0.070
MW-51C	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)
MW-53C	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	<0.38	<0.44	<0.070	0.071	NS (0.071)	<0.070
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	109	140	130	9.6	NS (5.0)	0.25
MW-68C	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	NS (0.070)	<0.070	0.16
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)
MW-83C	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)
MW-85C	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)
MW-86C	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)
MW-87C	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)
MW-88C	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)
MW-99C	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2-Methylnaphthalene C-TZ Input Data

	2H-2011	1H-2012	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	2H-2022
MW-12C	0.099	<0.050	0.086	0.15	0.13	0.16	<0.15	0.092	0.39	0.21	0.18	0.052	0.19	0.18	<0.17	0.077
MW-15C	<0.050	0.099	0.22	350	<0.068	<0.67	<0.066	<0.019	<0.019	<0.66	<0.019	<0.019	<0.45	0.052	<0.10	<0.019
MW-17C	7.3	62	100	176	151	144	20	1,100	25	26	0.073	48	8.2	25	52	16
MW-18C	340	160	460	977	871	1,060	778	440	330	280	310	320	150	220	160	320
MW-19C	1.2	<0.050	<0.053	0.84	0.11	1.4	0.85	0.37	<0.019	<0.071	<0.019	<0.019	<0.019	0.58	<0.049	<0.019
MW-21C	<0.050	0.067	<0.050	0.27	6.9	<0.16	<0.068	0.12	<0.019	0.4	<0.019	<0.021	0.043	<0.019	<0.019	0.38
MW-23C	1,300	650	28,000	1,380	1,160	4,520	18,300	NS (6,723)	NS (3,421)	NS (1,784)	120	41	67	89	200	820
MW-24C	<0.050	<0.050	0.077	<0.067	<0.069	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)	NS (0.069)
MW-25C	1,300	920	900	800	1,320	1,460	943	710	400	540	960	510	290	300	290	<360
MW-27C	<0.050	<0.050	<0.050	<0.78	<0.066	<0.067	<0.069	0.41	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
MW-28C	<0.050	<0.050	0.11	<0.064	<0.066	0.074	<0.068	<0.019	<0.019	<0.019	<0.019	0.12	0.042	<0.019	<0.019	<0.019
MW-29C	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)	NS (0.38)
MW-34C	NS (55)	0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	NA	NA	0.26	<0.019	<0.079	NS (0.059)	NS (0.039)	<0.019	<0.019	0.23	0.092	<0.058
MW-44C	<0.050	NS (31,169)	62,000	1,150	NS (1,069)	NS (986)	NS (904)	NS (329)	NS (164)	NS (83)	0.12	<0.019	0.09	<0.019	0.36	<0.019
MW-45C	NS (716)	NS (673)	NS (631)	NS (589)	NS (547)	NS (505)	NS (463)	NS (168)	NS (84)	NS (43)	<0.13	44	<0.046	<0.019	43	4,000,000
MW-46C	NS (117)	NS (122)	NS (127)	NS (131)	NS (136)	NS (141)	NS (146)	NS (180)	NS (190)	NS (195)	200	59	0.1	9.6	53	71
MW-47C	<0.050	4.4	<0.050	0.098	<0.070	NS (0.068)	<0.066	NS (0.029)	<0.019	<0.019	<0.10	<0.019	<0.019	<0.019	<0.019	0.47
MW-48C	<0.050	<0.050	1.3	<0.066	<0.067	<0.066	<0.066	<0.019	0.38	<0.019	<0.076	<0.019	<0.019	<0.019	<0.019	<0.019
MW-51C	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	NS (0.066)	<0.066	<0.019	<0.019	<0.019	<0.055	<0.15	<0.019	<0.019	<0.045	<0.019
MW-53C	<0.050	0.08	<0.091	<0.067	<0.070	0.36	<0.083	<0.019	<0.019	0.071	<0.25	0.13	<0.019	<0.019	<0.019	<0.019
MW-54C	22	6.5	5.4	3.9	17	18	8.3	5.9	1.4	2.1	2	0.21	0.92	0.78	1.2	<0.096
MW-68C	0.24	<0.11	2.5	1.3	0.3	3.3	0.19	0.14	<0.077	0.072	0.33	<0.13	<0.019	<0.019	0.39	0.079
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98	<0.019	<0.019	<0.019	<0.019	<0.019
MW-76C	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	NS (0.39)	0.39	0.12	0.31	<0.019	<0.45	<0.019	<0.024	<0.019	<0.019	<0.019
MW-83C	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	NS (1.5)	1.5	<0.019	0.12	0.21	0.19	<0.043	<0.019	<0.019	<0.019
MW-85C	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	NS (0.10)	0.1	<0.019	<0.019	<0.041	<0.031	<0.019	<0.019	1.3	0.041
MW-86C	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	NS (0.019)	<0.019	<0.019	<0.019	0.066	<0.019	<0.019	<0.019	<0.019	<0.019
MW-87C	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	NS (0.43)	0.43	<0.019	<0.019	0.23	<0.019	<0.019	<0.019	<0.019	<0.019
MW-88C	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	0.052	<0.019	<0.019	0.34	0.077	<0.019	<0.019	<0.15	0.037
MW-99C	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	NS (0.086)	0.086	0.05	<0.019	<0.019	<0.019	<0.019

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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	1H-2009	1H-2010	2H-2010
MW-12C	<10	<10	NS (5.1)	<0.30	<0.30	0.5	<0.30	<0.070	NS (0.063)	<0.050	<0.31	<0.32	0.4	0.14	NS (0.13)
MW-15C	104	100	NS (135)	170	190	130	200	120	NS (132)	157	34	90	34	7.5	NS (13)
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	123	130	610	190	130	130	NS (160)
MW-18C	49	200	NS (200)	NS (200)	200	460	NS (445)	NS (430)	NS (384)	293	263	230	160	91	NS (110)
MW-19C	NS (0.90)	<0.90	NS (0.95)	1	<0.30	0.4	<0.30	0.2	NS (0.30)	0.51	0.42	<0.28	0.17	0.51	NS (0.36)
MW-21C	NS (10)	<10	NS (5.1)	<0.30	<0.30	0.4	<0.30	<0.070	NS (0.13)	0.25	<0.29	<0.29	<0.080	<0.080	NS (0.080)
MW-23C	NA	300	NS (320)	340	NS (325)	NS (310)	NS (295)	280	NS (317)	392	NS (1,944)	NS (2,718)	3,500	3,600	NS (2,608)
MW-24C	NS (4.4)	NS (4.4)	4.4	<0.30	<0.30	<0.30	<0.30	<0.070	NS (0.063)	<0.050	0.57	<0.29	<0.080	<0.080	NS (0.080)
MW-25C	NA	NA	350	NS (342)	NS (334)	NS (326)	NS (317)	NS (309)	NS (285)	236	102,000	NS (76,659)	NS (51,040)	220	NS (369)
MW-27C	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.097)	0.15	0.44	<0.32	<0.080	<0.080	NS (0.080)
MW-28C	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	0.3	<0.070	NS (0.15)	0.3	0.44	<0.33	<0.080	0.18	NS (0.13)
MW-29C	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.063)	<0.050	<0.29	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	87	NS (331)	412	NS (361)	NS (309)	NS (206)	NS (155)
MW-34CR	NA	NA	NA	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)	NS (33)	NS (20)	NS (13)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	224	338	488	NS (468)	NS (447)	NS (407)	NS (386)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	210	207	64	NS (68)	NS (72)	NS (80)	NS (84)
MW-47C	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	NS (0.31)	0.31	<0.32	<0.080	<0.080	NS (0.080)
MW-48C	NA	NA	NA	NA	NA	NA	NA	NA	13	0.19	0.31	<0.33	0.25	65	<0.080
MW-51C	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)
MW-53C	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	<0.29	<0.33	<0.080	<0.080	NS (0.080)
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	113	61	74	64	28	NS (15)
MW-68C	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	<0.080
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)
MW-83C	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)
MW-85C	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)
MW-86C	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)
MW-87C	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)
MW-88C	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)
MW-99C	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Dibenzofuran C-TZ Input Data

	1H-2011	2H-2011	1H-2012	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	2H-2022
MW-12C	0.11	<0.050	<0.050	0.054	0.087	0.086	0.098	<0.091	0.1	67	0.07	0.12	0.041	0.2	0.13	<0.11	0.052
MW-15C	18	4.6	27	21	116	14	32	10	8.1	5.3	3.9	4.5	0.74	7	7.6	12	0.97
MW-17C	190	21	96	140	185	199	184	26	130	27	27	0.065	68	22	31	71	31
MW-18C	130	110	60	140	288	225	276	207	150	130	54	85	49	42	43	62	110
MW-19C	0.2	<0.60	0.14	<0.11	0.37	0.63	1.2	0.55	0.81	<0.020	<0.57	0.69	0.57	0.19	0.95	0.82	0.42
MW-21C	<0.080	<0.050	<0.050	<0.050	0.11	7.3	<0.26	<0.078	0.052	<0.020	3.2	0.17	<0.020	0.13	<0.020	<0.020	0.29
MW-23C	1,600	2,700	850	46,000	1,820	1,480	5,450	25,700	NS (9,442)	NS (4,806)	NS (2,507)	170	51	92	110	170	790
MW-24C	<0.080	<0.050	<0.050	<0.050	<0.076	<0.078	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-25C	520	290	260	220	174	353	<7.6	276	210	140	190	340	94	80	100	82	<120
MW-27C	<0.080	<0.050	<0.050	<0.050	<0.076	<0.076	<0.077	<0.078	0.38	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.039
MW-28C	<0.080	0.19	<0.050	<0.050	<0.073	<0.076	<0.080	<0.078	<0.020	<0.020	<0.020	<0.020	0.086	0.081	<0.020	<0.020	<0.020
MW-29C	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)	NS (0.29)
MW-34C	NS (103)	NS (52)	0.071	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	NA	NA	NA	<0.078	<0.020	0.027	NS (0.025)	NS (0.022)	<0.020	<0.020	6.6	<0.020	<0.046
MW-44C	NS (6.6)	<0.050	NS (19,104)	38,000	453	NS (421)	NS (388)	NS (356)	NS (130)	NS (65)	NS (33)	0.34	<0.020	0.63	<0.020	0.13	<0.020
MW-45C	NS (366)	NS (346)	NS (325)	NS (305)	NS (285)	NS (264)	NS (244)	NS (224)	NS (81)	NS (41)	NS (21)	0.075	33	<0.084	0.58	21	<2,300,000
MW-46C	NS (88)	NS (92)	NS (96)	NS (100)	NS (104)	NS (108)	NS (112)	NS (116)	NS (144)	NS (152)	NS (156)	160	50	6.3	28	52	65
MW-47C	<0.080	<0.050	<0.050	<0.050	0.1	<0.080	NS (0.078)	<0.076	NS (0.043)	0.034	<0.020	<0.049	<0.020	<0.020	<0.020	0.057	0.52
MW-48C	<0.080	<0.050	<0.050	0.96	<0.076	<0.076	<0.076	<0.076	<0.020	<0.020	<0.020	<0.054	<0.020	<0.020	<0.020	<0.020	<0.020
MW-51C	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	NS (0.076)	<0.076	<0.020	<0.020	<0.020	<0.11	0.32	0.17	<0.020	<0.020	<0.020
MW-53C	<0.080	<0.050	<0.050	<0.050	<0.077	<0.080	<0.38	<0.078	<0.020	<0.020	<0.020	<0.27	0.095	<0.020	<0.020	<0.020	<0.020
MW-54C	1.8	46	47	29	22	88	70	47	45	15	32	20	4	9.7	9.7	24	<4.7
MW-68C	<0.080	0.2	<0.078	1.8	0.17	<0.076	1.9	0.094	<0.020	0.066	0.064	0.03	0.42	<0.020	<0.020	<0.37	<0.020
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78	<0.020	<0.020	0.083	<0.020	<0.020
MW-76C	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	NS (0.51)	0.51	0.12	0.11	<0.020	<0.29	<0.020	<0.020	<0.020	<0.020	<0.020
MW-83C	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	NS (0.61)	0.61	<0.020	0.07	0.15	0.3	0.042	<0.020	<0.020	<0.020
MW-85C	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	NS (0.087)	0.087	<0.020	<0.020	<0.059	0.7	<0.020	<0.020	2.1	<0.020
MW-86C	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	0.059	<0.020	<0.020	<0.020
MW-87C	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	NS (0.32)	0.32	<0.020	<0.020	0.11	0.12	0.063	<0.020	<0.020	<0.020
MW-88C	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	NS (0.056)	0.056	<0.020	<0.020	<0.020	0.052	0.063	<0.020	<0.091	<0.020
MW-99C	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

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	1H-2009	1H-2010	2H-2010	1H-2011
MW-12C	<10	<10	NS (5.1)	<0.30	<0.30	1	<0.30	0.2	NS (0.40)	0.81	0.73	0.83	3	1.7	NS (1.3)	0.99
MW-15C	41	50	NS (120)	190	130	680	200	86	NS (58)	3.2	1.4	2	1.6	<0.57	NS (0.74)	0.91
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	8,547	5,500	9,800	5,840	3,400	3,400	NS (3,747)	4,100
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	21,000	12,000	NS (12,496)	13,000
MW-19C	NS (1.0)	<1.0	NS (3.5)	6	<0.30	4	1	1	NS (3.8)	9.2	61	0.83	7.7	90	NS (50)	8.4
MW-21C	NS (10)	<10	NS (5.1)	<0.30	<0.30	0.6	<0.30	0.2	NS (0.31)	0.52	<0.38	<0.39	0.39	<0.10	NS (0.10)	<0.10
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)	9,900	8,900	NS (8,702)	8,500
MW-24C	NA	NA	26	0.9	0.4	0.4	<0.30	0.2	NS (0.23)	0.3	<0.38	<0.38	0.13	<0.10	NS (0.10)	<0.10
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)	NS (379,394)	9,800	NS (13,866)	18,000
MW-27C	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	<0.10	NS (1.0)	2.9	1.8	<0.42	0.37	0.24	NS (0.20)	0.15
MW-28C	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	3	0.8	NS (2.0)	4.4	2.3	2	0.57	1.4	NS (0.85)	0.29
MW-29C	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	<0.30	<0.30	<0.30	0.1	NS (0.12)	0.16	0.47	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	3,765	NS (5,344)	5,870	NS (5,139)	NS (4,400)	NS (2,933)	NS (2,206)	NS (1,467)
MW-34CR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-44C	NA	NA	NA	NA	NA	NA	NA	NA	3,712	2,470	<0.78	NS (0.69)	NS (0.60)	NS (0.43)	NS (0.34)	NS (0.25)
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	24,010	5,520	6,050	NS (5,799)	NS (5,545)	NS (5,041)	NS (4,791)	NS (4,537)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	2,197	8,960	1,100	NS (1,129)	NS (1,158)	NS (1,217)	NS (1,246)	NS (1,275)
MW-47C	NS (1.2)	NS (1.2)	NS (1.2)	NS (1.2)	NS (1.2)	NS (1.2)	NS (1.2)	NS (1.2)	NS (1.2)	NS (1.2)	1.2	<0.42	0.19	0.46	NS (0.34)	0.21
MW-48C	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	NS (1.7)	1.7	0.4	1.2	<0.44	0.52	5,000	<0.10	<0.10
MW-51C	NA	NA	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	33	0.75	1.6	1.2	<0.10	NS (0.12)	0.15
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,940	892	912	1,100	210	NS (109)	5.5
MW-68C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.83	1.4
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-76C	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)
MW-83C	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)
MW-85C	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)
MW-86C	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)
MW-87C	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)
MW-88C	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)
MW-99C	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Naphthalene C-TZ Input Data

	2H-2011	1H-2012	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	2H-2022
MW-12C	0.48	<0.54	0.52	0.73	0.59	<0.85	<0.60	0.46	<0.17	<3.1	1.7	<0.23	1.4	1.3	<2.0	0.68
MW-15C	<0.46	1.1	1.8	89,700	<1.2	<1.8	<0.75	0.42	<0.32	19	0.24	<0.16	<1.2	1.2	<2.4	0.25
MW-17C	370	3,300	4,000	5,900	4,400	6,240	772	53,000	1,100	970	0.16	2,600	370	530	3,300	250
MW-18C	12,000	9,700	13,000	20,200	20,900	20,300	14,700	21,000	4,400	9,900	14,000	10,000	6,800	7,200	5,600	10,000
MW-19C	14	0.77	<0.48	26	<2.0	38	20	13	<0.36	<1.2	<0.11	<0.020	<0.020	20	<0.53	0.15
MW-21C	<0.050	0.93	<0.050	0.43	6.7	0.52	<0.078	1.4	<0.020	4.4	0.13	<0.042	0.067	0.039	0.37	1.7
MW-23C	7,500	7,800	83,000	12,200	13,200	43,800	57,900	NS (21,449)	NS (11,054)	NS (5,900)	660	920	630	180	2,100	9,900
MW-24C	0.2	<0.050	0.19	<0.076	<0.078	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)	NS (0.078)
MW-25C	19,000	15,000	13,000	10,700	19,700	19,000	10,700	5,600	3,500	4,200	7,500	2,400	2,400	2,100	2,400	<2,600
MW-27C	<0.050	<0.050	0.19	<0.076	0.35	<0.95	<0.078	<0.020	<0.020	0.066	0.055	<0.020	<0.13	<0.32	<0.020	<0.063
MW-28C	<0.091	<0.31	0.64	0.16	<0.076	<0.60	<0.078	<0.020	<0.020	0.095	<0.16	0.53	0.21	<0.075	0.04	<0.020
MW-29C	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)	NS (0.47)
MW-34C	NS (740)	<0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	NA	NA	NA	NA	2.8	<0.020	<0.69	NS (0.47)	NS (0.24)	<0.020	<0.020	19	<0.30	<0.27
MW-44C	<0.16	NS (115,628)	230,000	18,000	NS (16,725)	NS (15,430)	NS (14,155)	NS (5,141)	NS (2,571)	NS (1,296)	0.097	<0.020	<0.15	0.099	3.4	0.05
MW-45C	NS (4,287)	NS (4,034)	NS (3,782)	NS (3,528)	NS (3,279)	NS (3,025)	NS (2,775)	NS (1,008)	NS (504)	NS (255)	<0.61	270	<0.16	<0.14	870	15,000,000
MW-46C	NS (1,304)	NS (1,333)	NS (1,362)	NS (1,392)	NS (1,421)	NS (1,450)	NS (1,479)	NS (1,683)	NS (1,742)	NS (1,771)	1,800	290	<0.18	4.9	180	350
MW-47C	<0.050	4.1	0.46	<0.40	<0.080	0.3	<0.076	NS (0.66)	0.83	<0.020	<0.56	<0.020	<0.020	<0.020	<0.020	1.1
MW-48C	<0.050	<0.050	7.1	<0.50	<0.16	<0.076	<0.076	<0.020	8.5	<0.020	<0.52	<0.071	<0.085	<0.020	<0.020	0.064
MW-51C	NA	NA	NA	NA	NA	NA	0.55	0.29	0.17	0.23	<0.30	<0.61	0.2	<0.084	<0.27	0.061
MW-53C	<0.050	0.66	<0.48	<0.18	<0.080	<2.1	<1.9	0.23	<0.25	0.13	<1.2	4.2	<0.079	0.033	0.047	<0.020
MW-54C	470	350	150	68	383	315	180	68	19	32	<35	1.1	9.3	9	15	<1.0
MW-68C	2.7	<1.5	15	13	6.4	11	2.7	3.2	<0.79	1.1	<0.52	<0.66	<0.020	<0.020	5.1	<0.34
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	<0.020	<0.14	2.5	<0.34	0.086
MW-76C	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	NS (1.8)	1.8	1.9	7	0.18	<3.8	<0.020	<0.12	<0.21	<0.16	<0.044
MW-83C	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	NS (16)	16	<0.36	1.4	1.8	2	<0.34	<0.020	0.19	0.11
MW-85C	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	NS (2.6)	2.6	<0.020	1.2	<0.46	3.1	0.051	<0.17	5.6	0.36
MW-86C	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	NS (0.054)	0.054	0.079	0.31	<0.22	<0.034	0.082	<0.089	<0.17	0.067
MW-87C	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	NS (1.4)	1.4	<0.020	<0.17	1.1	<0.020	<0.020	<0.020	<0.12	<0.020
MW-88C	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	NS (0.55)	0.55	<0.059	<0.020	<0.020	5.8	2.2	<0.026	<1.3	0.19
MW-99C	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	NS (0.40)	0.4	0.77	<0.072	<0.020	<0.020	<0.020

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

NS (21.0): Well not sampled, interpolated or extrapolated value shown - refer to shading for more specific explanation.

Interpolated between two sampling events.

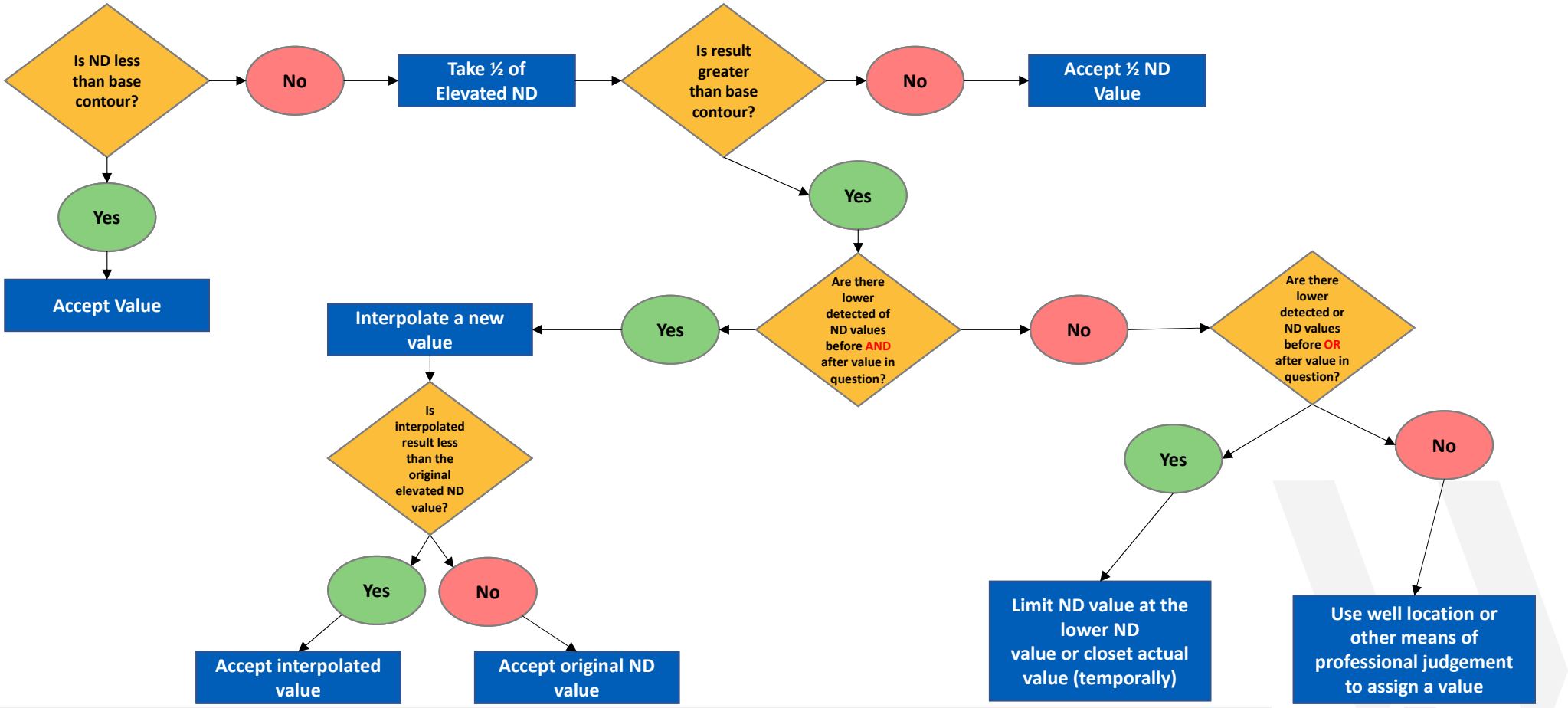
Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Appendix C

Non-Detect Value Determination Flow Chart

Plume Analytics® Services



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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	31.0	80.6	13.6
1H-2018	34.4	149	27.8
1H-2019	25.6	90.5	12.6
2H-2019	23.9	29.7	3.9
1H-2020	29.9	46.1	7.5
2H-2020	33.1	81.5	14.6
1H-2021	28.1	98.0	15.0
2H-2021	31.4	69.9	11.9
1H-2022	34.7	69.5	13.1
2H-2022	32.2	86.2	15.1

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	22.8	576	71.6
1H-2018	17.9	337	32.7
2H-2018	14.9	262	21.2
1H-2019	6.8	182	6.7
2H-2019	8.4	184	8.4
1H-2020	8.9	192	9.3
2H-2020	16.0	312	27.2
1H-2021	17.8	345	33.4
2H-2021	14.3	230	17.9
1H-2022	18.4	391	39.1
2H-2022	17.3	356	33.6

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	18.0	2,222	217.3
1H-2018	13.1	5,287	375.2
1H-2019	6.6	1,377	49.3
2H-2019	5.4	991	29.2
1H-2020	10.3	1,968	109.9
2H-2020	8.1	1,360	59.9
1H-2021	13.0	2,599	183.7
2H-2021	5.5	1,979	59.2
1H-2022	11.6	1,246	78.8
2H-2022	10.9	2,337	138.5

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	17.5	248	23.6
1H-2018	10.4	161	9.1
2H-2018	6.9	134	5.1
1H-2019	0.88	106	0.51
2H-2019	2.3	120	1.5
1H-2020	2.7	155	2.3
2H-2020	7.3	128	5.1
1H-2021	10.6	157	9.1
2H-2021	6.6	131	4.7
1H-2022	11.4	252	15.6
2H-2022	11.0	154	9.2

Ricker Method® Spatial Change Indicator Metrics Naphthalene - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	27.7	8,905	1,343
1H-2018	23.2	6,662	842
2H-2018	21.2	4,618	532
1H-2019	11.2	2,734	167
2H-2019	15.0	2,461	201
1H-2020	17.1	2,091	194
2H-2020	20.0	4,969	541
1H-2021	23.3	5,917	748
2H-2021	20.4	5,946	660
1H-2022	25.5	5,273	732
2H-2022	21.7	6,246	738

Ricker Method® Spatial Change Indicator Metrics Benzene - B-CZ/TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2012	37.9	295.0	60.8
1H-2013	36.8	295.3	59.2
2H-2013	39.9	444.7	96.6
1H-2014	39.0	340.9	72.3
2H-2014	40.5	441.8	97.3
1H-2018	42.8	364.6	84.9
2H-2018	42.4	355.1	81.9
1H-2019	39.9	344.8	74.8
2H-2019	43.3	357.1	84.1
1H-2020	37.7	286.0	58.6
2H-2020	40.4	430.7	94.6
1H-2021	32.8	192.0	34.3
2H-2021	36.7	319.1	63.7
1H-2022	37.6	341.1	69.8
2H-2022	37.8	391.5	80.5

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - B-CZ/TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2012	14.6	24,045	1,903
1H-2013	12.5	25,485	1,731
2H-2013	17.1	53,261	4,960
1H-2014	17.9	95,893	9,332
2H-2014	15.4	65,531	5,475
1H-2018	16.4	22,457	2,003
2H-2018	16.4	18,610	1,659
1H-2019	15.6	10,655	902
2H-2019	17.1	28,001	2,611
1H-2020	13.1	9,797	700
2H-2020	13.4	17,524	1,278
1H-2021	8.9	3,821	185
2H-2021	12.9	11,091	779
1H-2022	13.1	7,763	553
2H-2022	13.3	15,473	1,119

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - B-CZ/TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2012	16.1	532	46.6
1H-2013	17.6	737	70.5
2H-2013	21.4	962	112
1H-2014	24.4	1,602	213
2H-2014	20.4	1,080	120
1H-2018	23.3	1,200	152
2H-2018	21.7	1,022	120
1H-2019	16.0	817	71.2
2H-2019	21.9	1,179	141
1H-2020	21.9	1,143	136
2H-2020	20.3	990	109
1H-2021	14.2	782	60.5
2H-2021	20.4	628	69.7
1H-2022	16.9	928	85.5
2H-2022	21.3	2,074	241

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - B-CZ/TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2012	12.0	257	16.8
1H-2013	11.3	304	18.7
2H-2013	15.6	338	28.8
1H-2014	20.8	722	81.8
2H-2014	15.6	364	30.8
1H-2018	21.4	670	77.9
2H-2018	18.5	610	61.4
1H-2019	12.4	494	33.2
2H-2019	18.1	648	63.7
1H-2020	19.0	643	66.6
2H-2020	15.7	577	49.3
1H-2021	11.7	456	29.1
2H-2021	17.4	342	32.4
1H-2022	15.2	416	34.5
2H-2022	19.3	1,063	111

Ricker Method® Spatial Change Indicator Metrics Naphthalene - B-CZ/TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2012	21.4	8,339	969
1H-2013	18.8	7,858	804
2H-2013	27.2	11,478	1,695
1H-2014	28.9	11,164	1,753
2H-2014	25.0	12,270	1,665
1H-2018	26.8	11,120	1,624
2H-2018	25.7	8,090	1,131
1H-2019	18.5	5,098	514
2H-2019	28.2	7,348	1,125
1H-2020	23.7	5,592	721
2H-2020	26.2	6,653	950
1H-2021	17.1	3,694	344
2H-2021	23.3	7,660	971
1H-2022	20.5	10,280	1,148
2H-2022	21.5	10,704	1,251

Ricker Method® Spatial Change Indicator Metrics Benzene - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	18.4	26.3	2.6
1H-2007	18.6	27	2.8
1H-2008	14.1	27.8	2.1
2H-2008	12.0	27.1	1.8
1H-2009	11.8	29.1	1.9
1H-2010	13.4	27.5	2.0
2H-2010	11.6	27.4	1.7
1H-2011	10.3	26.2	1.5
2H-2011	10.0	26.4	1.4
1H-2012	13.4	21.4	1.6
2H-2012	12.4	29.7	2.0
1H-2013	9.4	39.4	2.0
2H-2013	12.1	31.5	2.1
1H-2014	9.7	39.7	2.1
2H-2014	8.5	24.3	1.1
1H-2018	10.1	24.2	1.3
1H-2019	4.8	16.5	0.4
2H-2019	4.0	44.3	1.0
1H-2020	5.7	36.4	1.1
2H-2020	5.8	31.4	1.0
1H-2021	5.3	42.2	1.2
2H-2021	4.4	40.8	1.0
1H-2022	3.7	36.9	0.7
2H-2022	4.7	35.6	0.9

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - C-TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
1H-2004	0.000	0	0.0
1H-2007	0.000	0	0.0
1H-2008	0.000	0	0.0
2H-2008	0.000	0	0.0
1H-2009	0.000	0	0.0
1H-2010	0.000	0	0.0
2H-2010	0.000	0	0.0
1H-2011	0.000	0	0.0
2H-2011	0.107	730	0.4
1H-2012	0.000	0	0.0
2H-2012	0.000	0	0.0
1H-2013	4.211	6,531	149.6
2H-2013	0.000	0	0.0
1H-2014	0.000	0	0.0
2H-2014	0.646	1,431	5.0
1H-2018	0.005	578	0.0
1H-2019	0.000	0	0.0
2H-2019	0.000	0	0.0
1H-2020	0.000	0	0.0
2H-2020	0.000	0	0.0
1H-2021	0.014	554	0.0
2H-2021	0.148	864	0.7
1H-2022	0.000	0	0.0
2H-2022	0.005	621	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	36.4
2H-2008	5.8	897	28.4
1H-2009	5.3	769	22.2
1H-2010	6.5	283	10.0
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	30.7
2H-2012	9.4	1,998	101.6
1H-2013	8.9	315	15.3
2H-2013	6.8	349	12.9
1H-2014	8.4	459	21.0
2H-2014	4.5	691	16.9
1H-2018	4.2	562	12.9
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	38,197	297.1

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	27.3
2H-2008	5.72	722	22.5
1H-2009	5.1	637	17.6
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	13.3
2H-2012	8.6	1,598	74.6
1H-2013	5.5	228	6.9
2H-2013	5.0	222	6.1
1H-2014	6.4	355	12.4
2H-2014	3.3	892	15.9
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	0.0	0.0
1H-2021	0.0	0.0	0.0
2H-2021	0.0	0.0	0.0
1H-2022	0.0	116	0.0
2H-2022	0.2	205	0.2

Ricker Method® Spatial Change Indicator Metrics Naphthalene - C-TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
1H-2004	12.0	2,721	177
1H-2007	12.1	2,262	148
1H-2008	10.3	3,972	222
2H-2008	9.0	3,591	176
1H-2009	8.7	3,181	150
1H-2010	13.6	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	11.1	9,649	580
1H-2013	19.7	4,781	514
2H-2013	9.6	3,668	192
1H-2014	11.1	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
1H-2021	0.2	1,338	2
2H-2021	0.5	1,359	4
1H-2022	1.2	1,023	6
2H-2022	1.7	117,139	1,086

Appendix A
Plume Analytics Services
Powerpoint Presentation

Union Pacific Railroad Houston Wood Preserving Works Facility

4910 Liberty Road, Houston, Texas

Union Pacific Railroad Company

December 5, 2022

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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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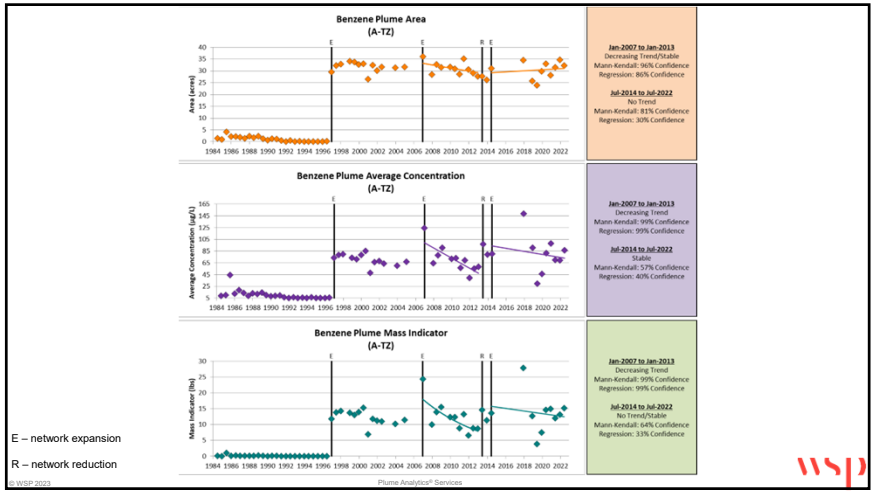

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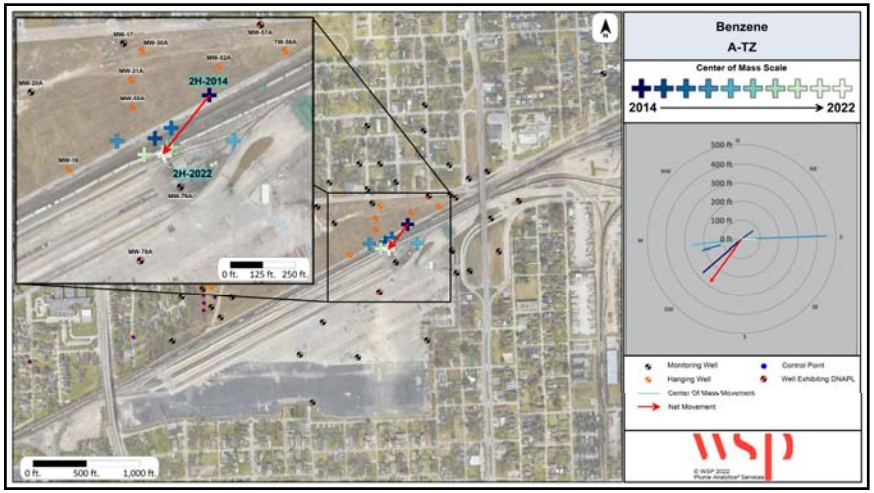

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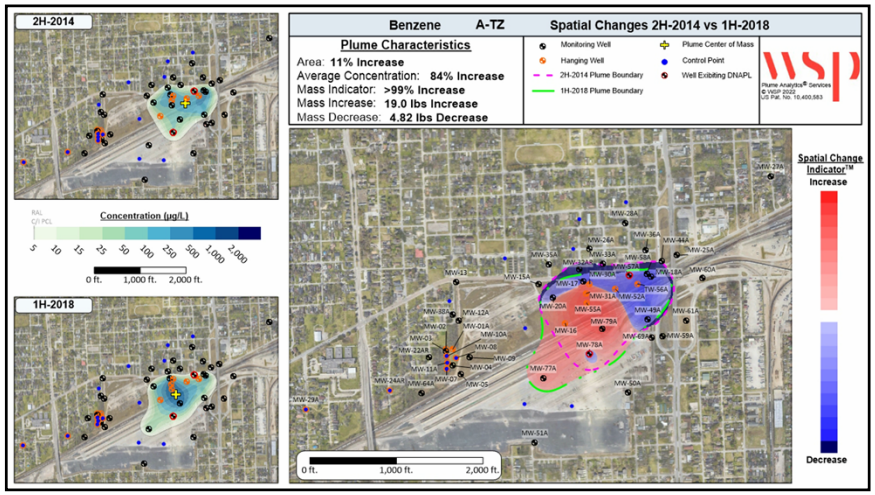
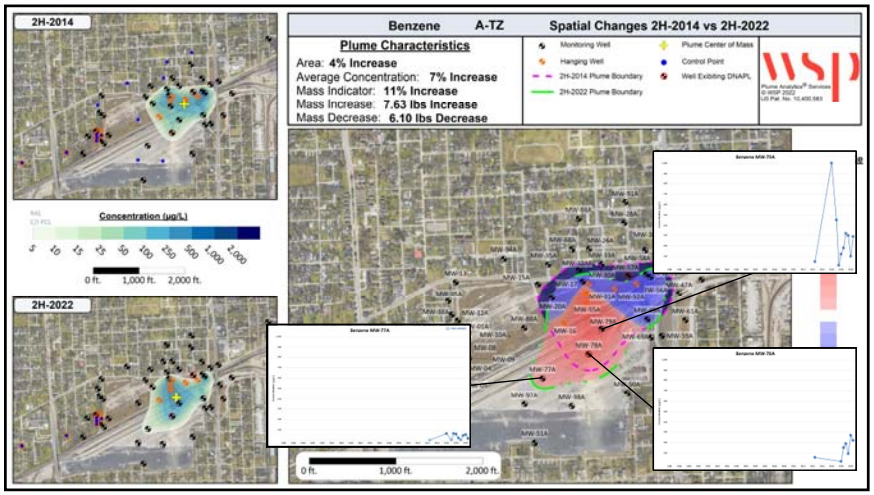
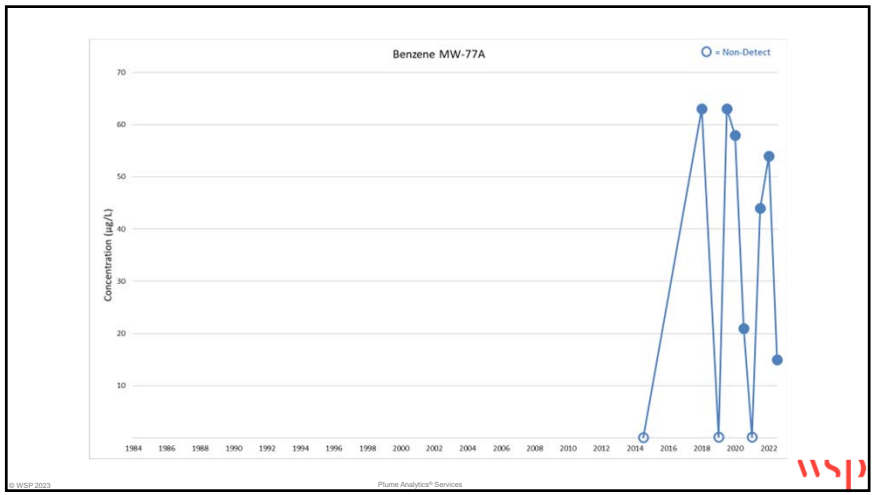

2H-2014
1H-2018
Benzene A-TZ Spatial Changes 2H-2014 vs 1H-2018
Plume Characteristics
Area: 11% Increase
Average Concentration: 84% Increase
Mass Indicator: >99% Increase
Mass Increase: 19.0 lbs Increase
Mass Decrease: 4.82 lbs Decrease
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
1H-2018 Plume Boundary
Plume Center of Mass
Control Point
Well Exibiting DNAPL
Concentration (µg/L)
5 10 15 25 50 100 250 500 1,000 2,000
0 ft. 1,000 ft. 2,000 ft.
Spatial Change Indicator™
Increase
Decrease

9


2H-2014
2H-2022
Benzene A-TZ Spatial Changes 2H-2014 vs 2H-2022
Plume Characteristics
Area: 4% Increase
Average Concentration: 7% Increase
Mass Indicator: 11% Increase
Mass Increase: 7.63 lbs Increase
Mass Decrease: 6.10 lbs Decrease
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Well Exibiting DNAPL
Concentration (µg/L)
5 10 15 25 50 100 250 500 1,000 2,000
0 ft. 1,000 ft. 2,000 ft.

10


Benzene MW-77A
= Non-Detect
Concentration (ug/L)
10 20 30 40 50 60 70
1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
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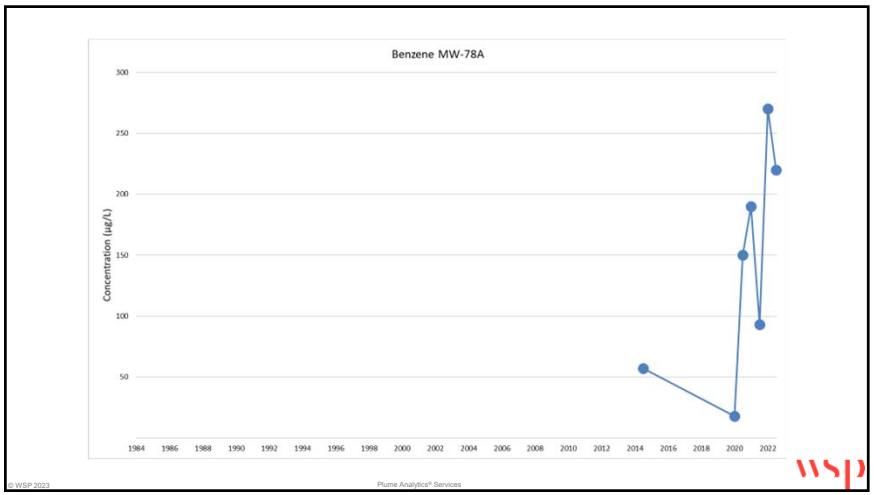
11


Benzene MW-78A
Concentration (µg/L)
50 100 150 200 250 300
1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
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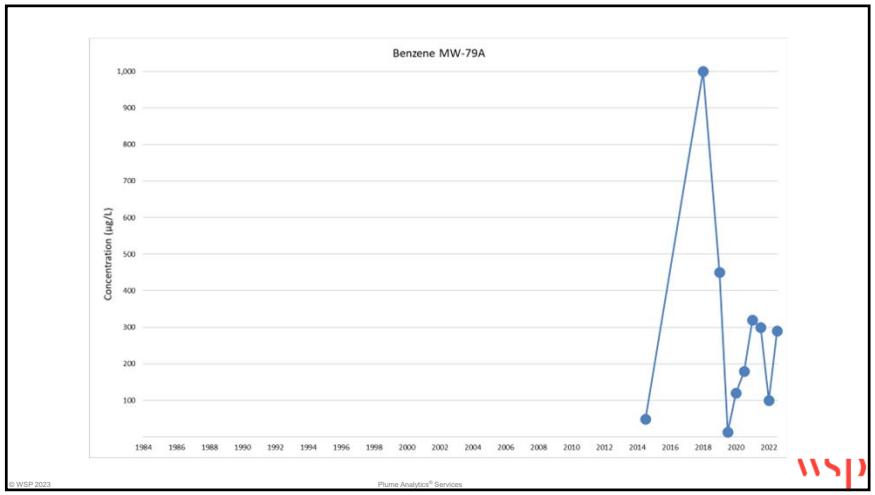
Benzene MW-79A
Concentration (µg/L)
1,000
900
800
700
600
500
400
300
200
100
1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
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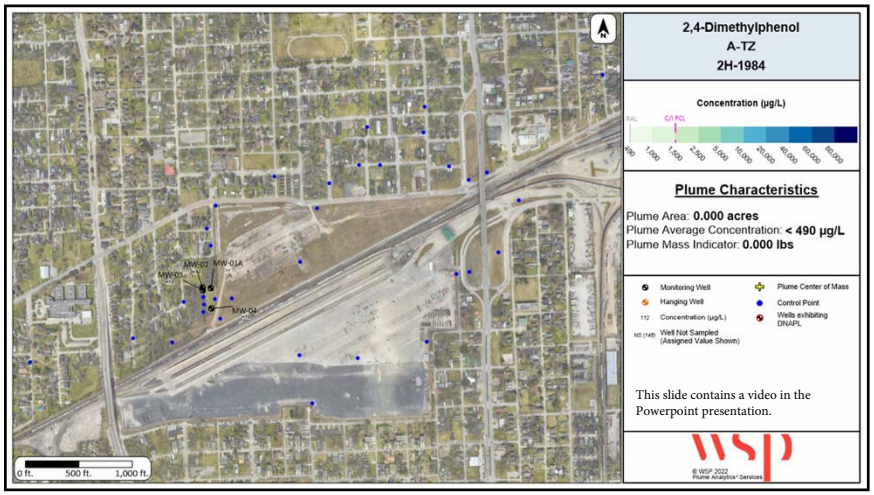
13


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
Monitoring Well
Hanging Well
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
MW-01A
MW-02
MW-03
MW-04
0 ft. 500 ft. 1,000 ft.
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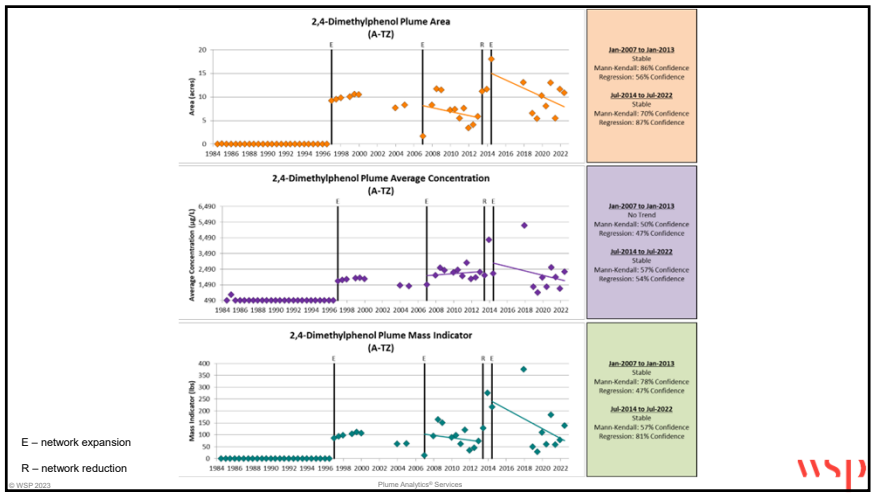
2,4-Dimethylphenol Plume Area
(A-TZ)
Area (acres)
Jan-2007 to Jan-2013
Stable
Mann-Kendall: 86% Confidence
Regression: 56% Confidence
Jul-2014 to Jul-2022
Stable
Mann-Kendall: 70% Confidence
Regression: 87% Confidence
2,4-Dimethylphenol Plume Average Concentration
(A-TZ)
Average Concentration (µg/L)
Jan-2007 to Jan-2013
No Trend
Mann-Kendall: 50% Confidence
Regression: 47% Confidence
Jul-2014 to Jul-2022
Stable
Mann-Kendall: 57% Confidence
Regression: 54% Confidence
2,4-Dimethylphenol Plume Mass Indicator
(A-TZ)
Mass Indicator (lbs)
Jan-2007 to Jan-2013
Stable
Mann-Kendall: 78% Confidence
Regression: 47% Confidence
Jul-2014 to Jul-2022
Stable
Mann-Kendall: 57% Confidence
Regression: 81% Confidence
E – network expansion
R – network reduction
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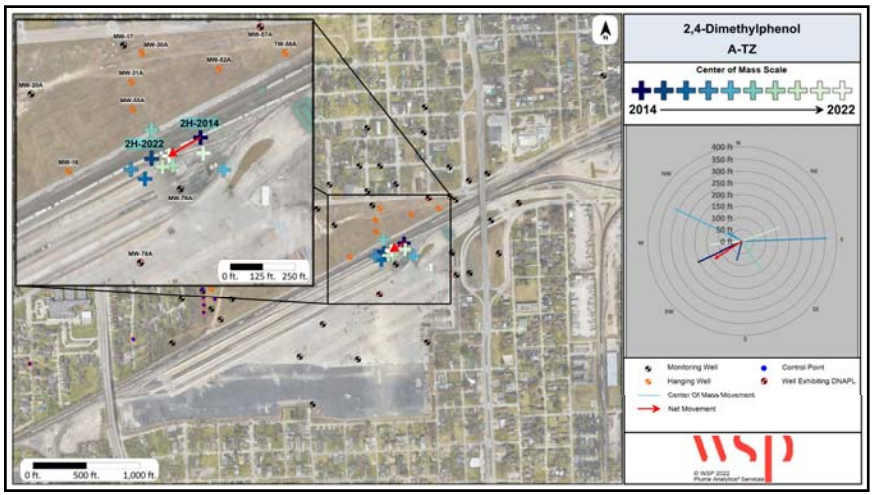
2,4-Dimethylphenol
A-TZ
Center of Mass Scale
2014
2022
2H-2014
2H-2022
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
0 ft. 125 ft. 250 ft.
0 ft. 500 ft. 1,000 ft.
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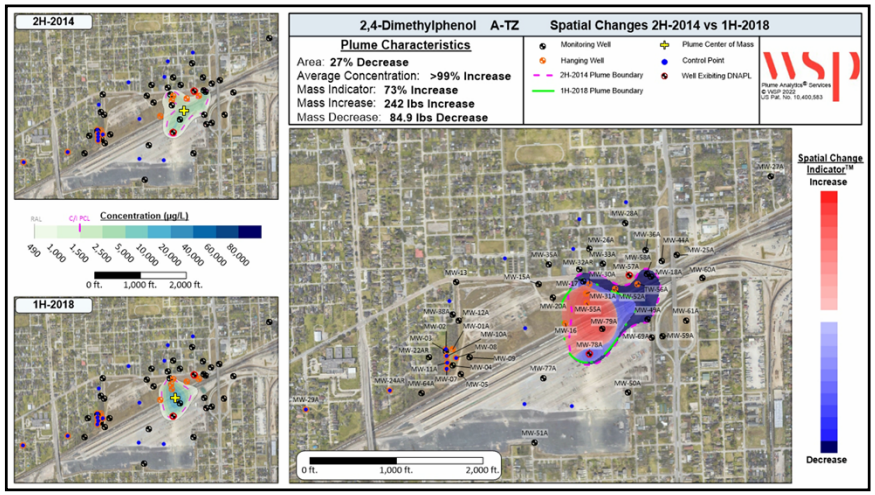
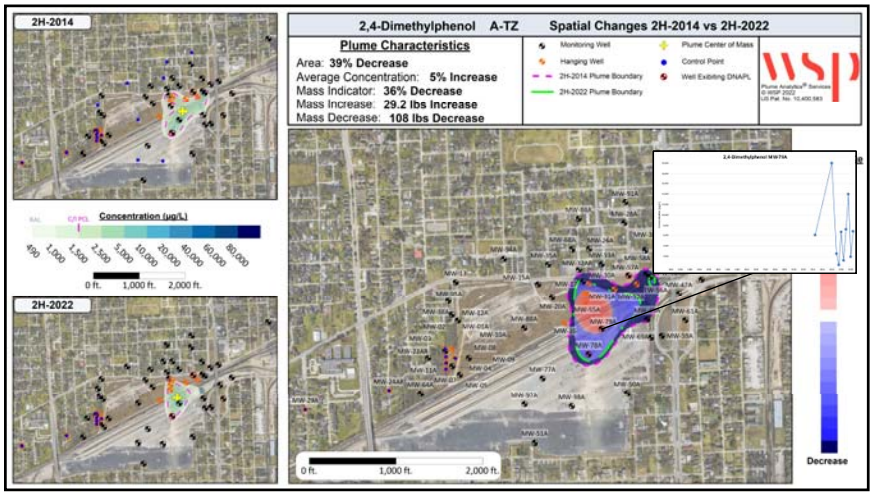
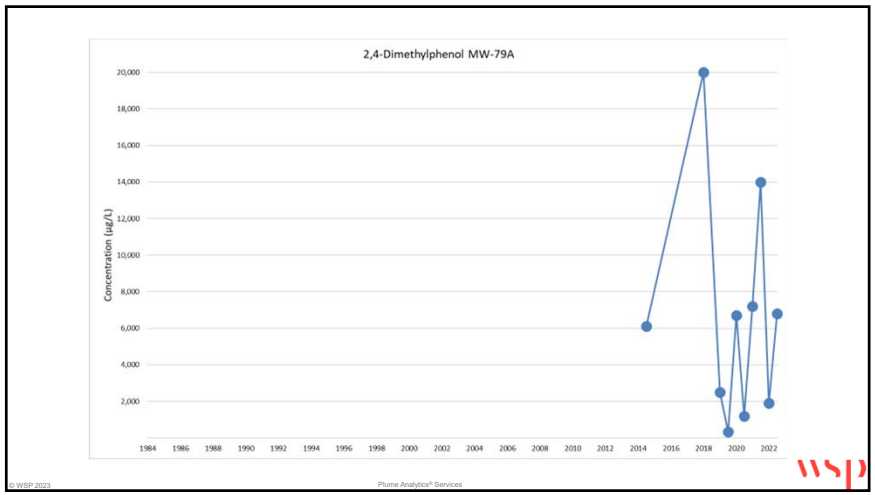

2H-2014
1H-2018
2,4-Dimethylphenol A-TZ Spatial Changes 2H-2014 vs 1H-2018
Plume Characteristics
Area: 27% Decrease
Average Concentration: >99% Increase
Mass Indicator: 73% Increase
Mass Increase: 242 lbs Increase
Mass Decrease: 84.9 lbs Decrease
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
1H-2018 Plume Boundary
Plume Center of Mass
Control Point
Well Exibiting DNAPL
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

17


2H-2014
2H-2022
2,4-Dimethylphenol A-TZ Spatial Changes 2H-2014 vs 2H-2022
Plume Characteristics
Area: 39% Decrease
Average Concentration: 5% Increase
Mass Indicator: 36% Decrease
Mass Increase: 29.2 lbs Increase
Mass Decrease: 108 lbs Decrease
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Well Exibiting DNAPL
Concentration (µg/L)
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

18


2,4-Dimethylphenol MW-79A
Concentration (µg/L)
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022

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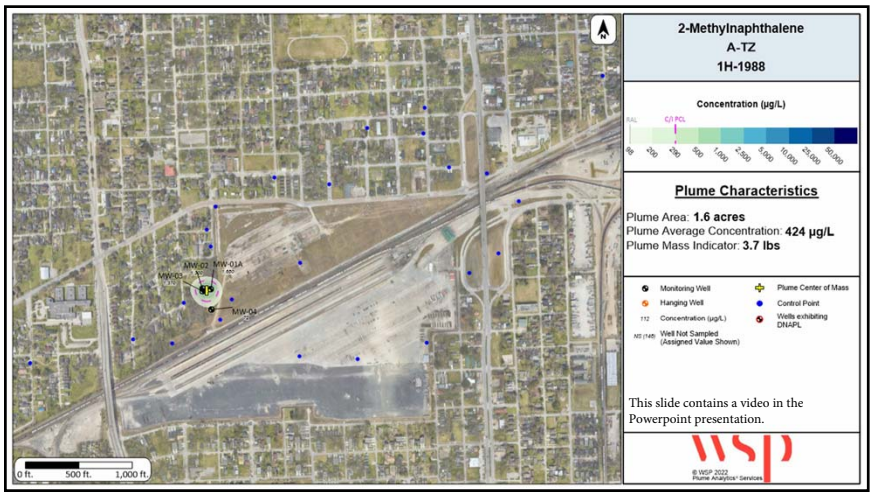
2-Methylnaphthalene
A-TZ
1H-1988
Concentration (µg/L)
Plume Characteristics
Plume Area: 1.6 acres
Plume Average Concentration: 424 µg/L
Plume Mass Indicator: 3.7 lbs
Monitoring Well
Hanging Well
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
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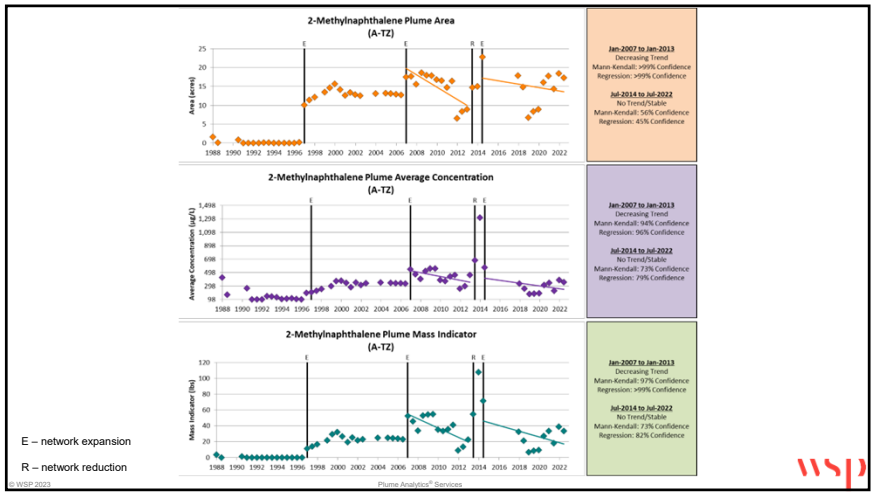
0 ft. 500 ft. 1,000 ft.

20


2-Methylnaphthalene Plume Area
(A-TZ)
Area (acres)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 56% Confidence
Regression: 45% Confidence
2-Methylnaphthalene Plume Average Concentration
(A-TZ)
Average Concentration (µg/L)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: 94% Confidence
Regression: 96% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 73% Confidence
Regression: 79% Confidence
2-Methylnaphthalene Plume Mass Indicator
(A-TZ)
Mass Indicator (lbs)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: 97% Confidence
Regression: >99% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 73% Confidence
Regression: 82% Confidence
E – network expansion
R – network reduction
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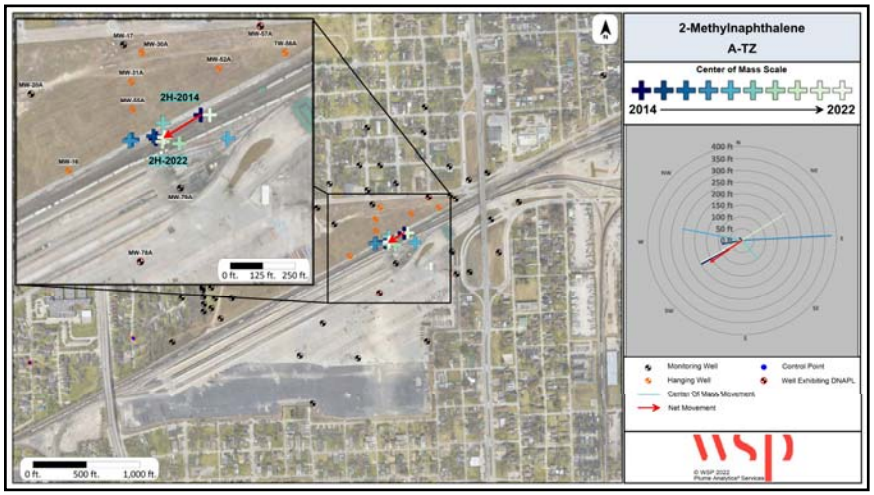
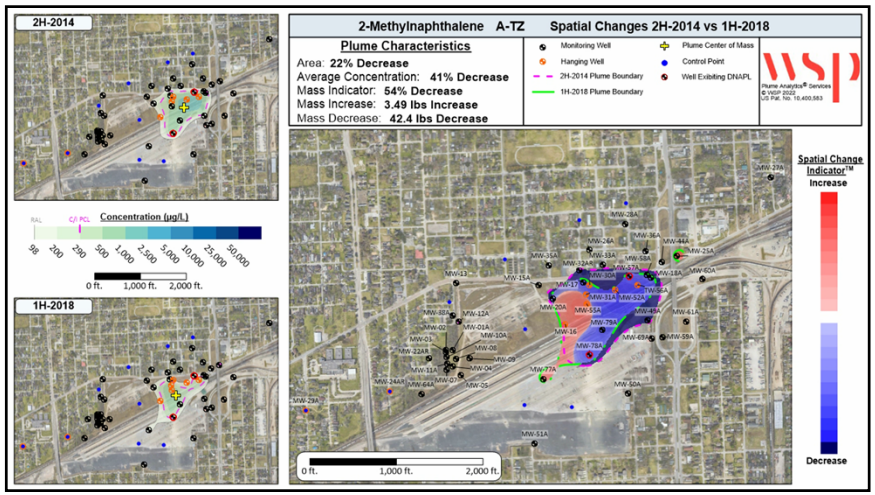
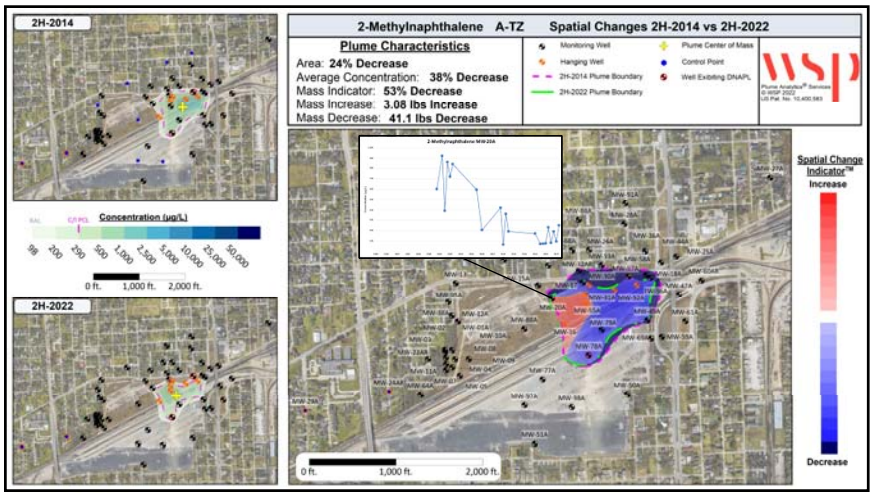
21


2H-2014
2H-2022
2-Methylnaphthalene
A-TZ
Center of Mass Scale
2014
2022
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
0 ft. 125 ft. 250 ft
0 ft. 500 ft. 1,000 ft.

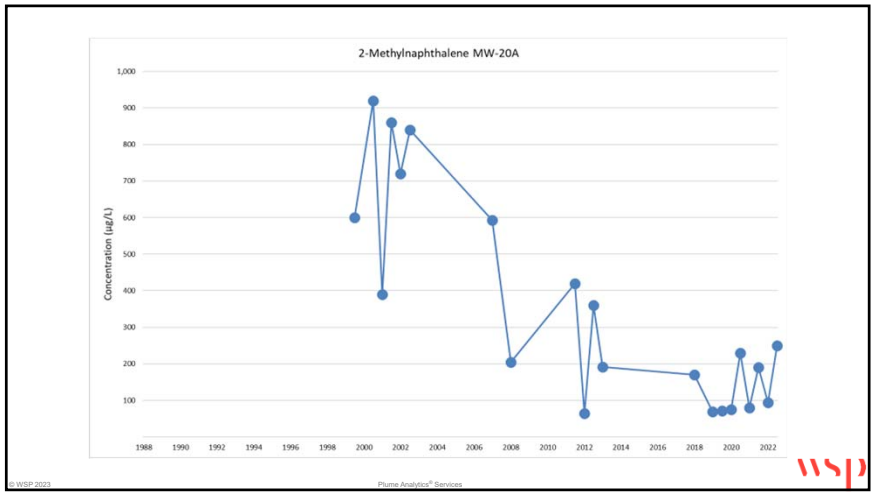
22


2H-2014
1H-2018
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
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
1H-2018 Plume Boundary
Plume Center of Mass
Control Point
Well Exhibiting DNAPL
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

23


2H-2014
2H-2022
2-Methylnaphthalene A-TZ Spatial Changes 2H-2014 vs 2H-2022
Plume Characteristics
Area: 24% Decrease
Average Concentration: 38% Decrease
Mass Indicator: 53% Decrease
Mass Increase: 3.08 lbs Increase
Mass Decrease: 41.1 lbs Decrease
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Well Exhibiting DNAPL
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

24


2-Methylnaphthalene MW-20A
Concentration (µg/L)
1,000
900
800
700
600
500
400
300
200
100
1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
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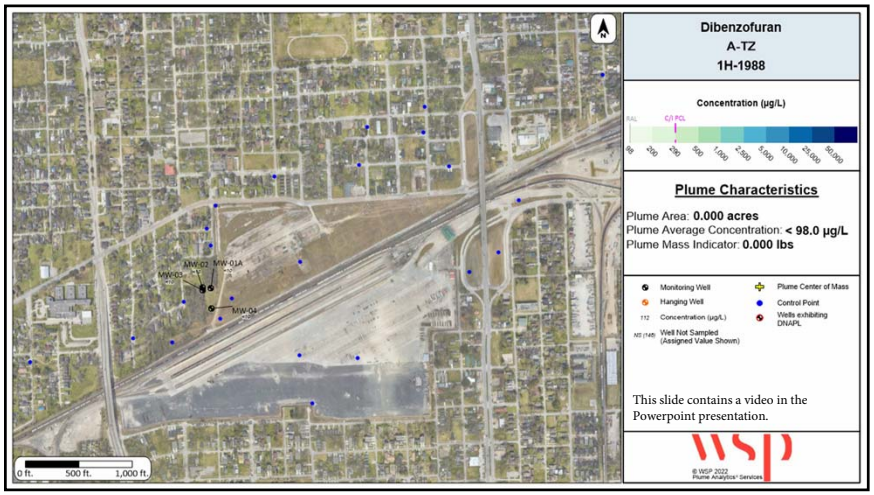
Dibenzofuran
A-TZ
1H-1988
Concentration (µg/L)
RAL
C/I PCL
98
200
250
500
1,000
2,500
5,000
10,000
25,000
50,000
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs
Monitoring Well
Hanging Well
112
Concentration (µg/L)
NS (148)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
MW-02
MW-01A
MW-01
MW-04
0 ft.
500 ft.
1,000 ft.
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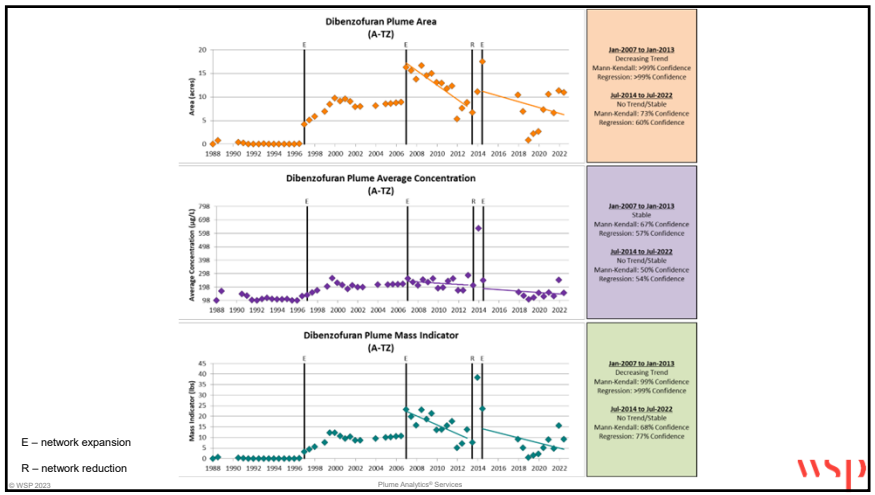
Dibenzofuran Plume Area
(A-TZ)
Area (acres)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 73% Confidence
Regression: 60% Confidence
Dibenzofuran Plume Average Concentration
(A-TZ)
Average Concentration (µg/L)
Jan-2007 to Jan-2013
Stable
Mann-Kendall: 67% Confidence
Regression: 57% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 50% Confidence
Regression: 54% Confidence
Dibenzofuran Plume Mass Indicator
(A-TZ)
Mass Indicator (lbs)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: 99% Confidence
Regression: >99% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 68% Confidence
Regression: 77% Confidence
1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
E – network expansion
R – network reduction
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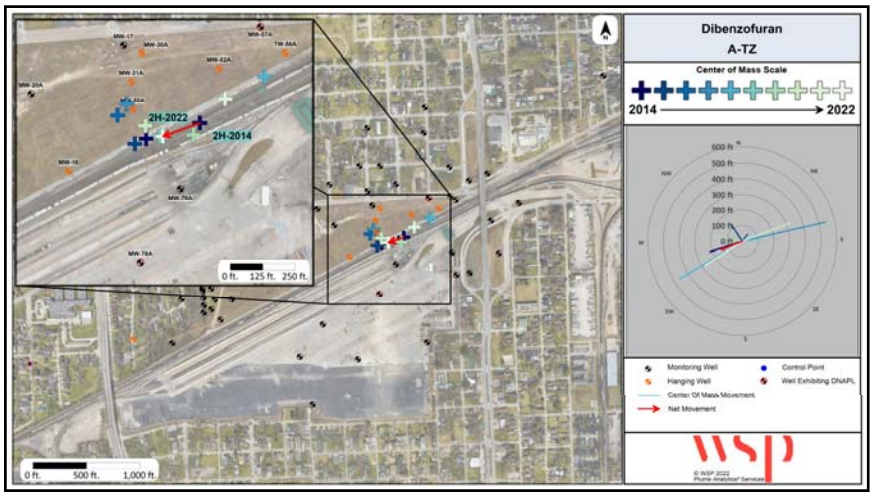
27


Dibenzofuran
A-TZ
Center of Mass Scale
2014
2022
2H-2022
2H-2014
0 ft.
125 ft.
250 ft.
600 ft
500 ft
400 ft
300 ft
200 ft
100 ft
0 ft
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
0 ft.
500 ft.
1,000 ft.
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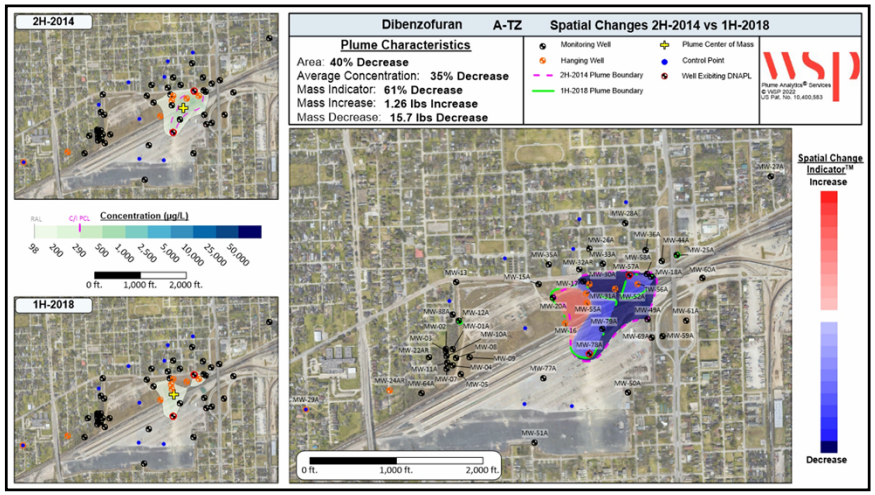
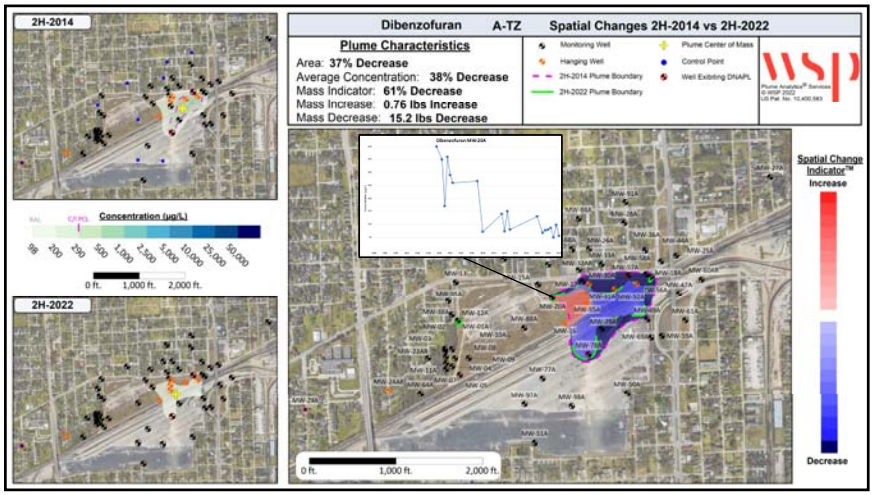
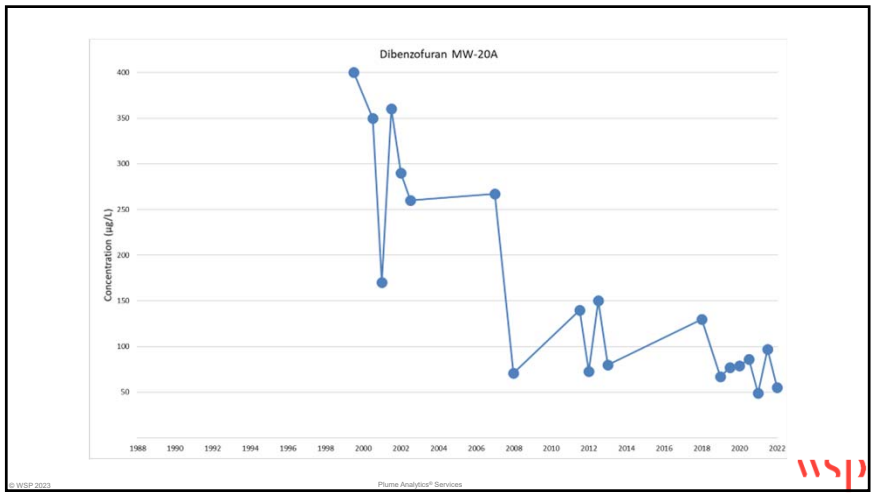
28


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
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
1H-2018 Plume Boundary
Plume Center of Mass
Control Point
Well Exibiting DNAPL
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

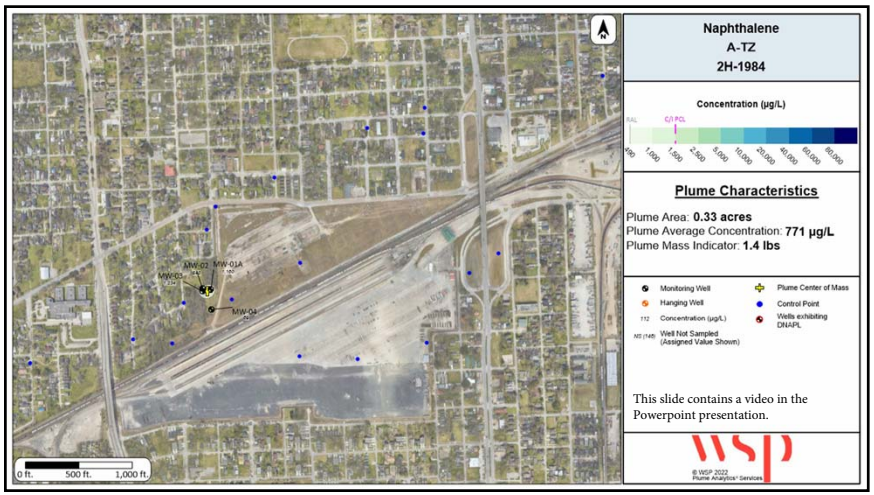
29


2H-2014
2H-2022
Dibenzofuran A-TZ Spatial Changes 2H-2014 vs 2H-2022
Plume Characteristics
Area: 37% Decrease
Average Concentration: 38% Decrease
Mass Indicator: 61% Decrease
Mass Increase: 0.76 lbs Increase
Mass Decrease: 15.2 lbs Decrease
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Well Exibiting DNAPL
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

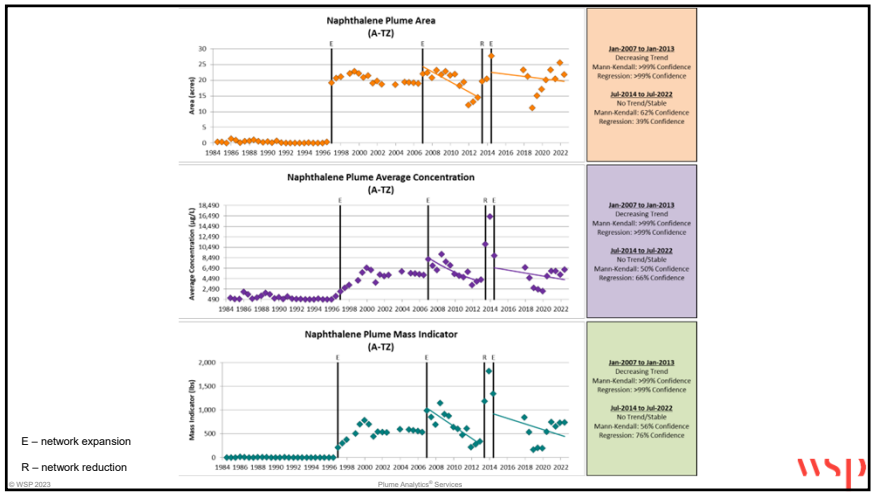
30


Dibenzofuran MW-20A
Concentration (µg/L)
400
350
300
250
200
150
100
50
1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022

31


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
Monitoring Well
Hanging Well
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
0 ft. 500 ft. 1,000 ft.

32


Naphthalene Plume Area
(A-TZ)
Area (acres)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 62% Confidence
Regression: 39% Confidence
Naphthalene Plume Average Concentration
(A-TZ)
Average Concentration (µg/L)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 50% Confidence
Regression: 66% Confidence
Naphthalene Plume Mass Indicator
(A-TZ)
Mass Indicator (lbs)
Jan-2007 to Jan-2013
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
Jul-2014 to Jul-2022
No Trend/Stable
Mann-Kendall: 56% Confidence
Regression: 76% Confidence
E – network expansion
R – network reduction
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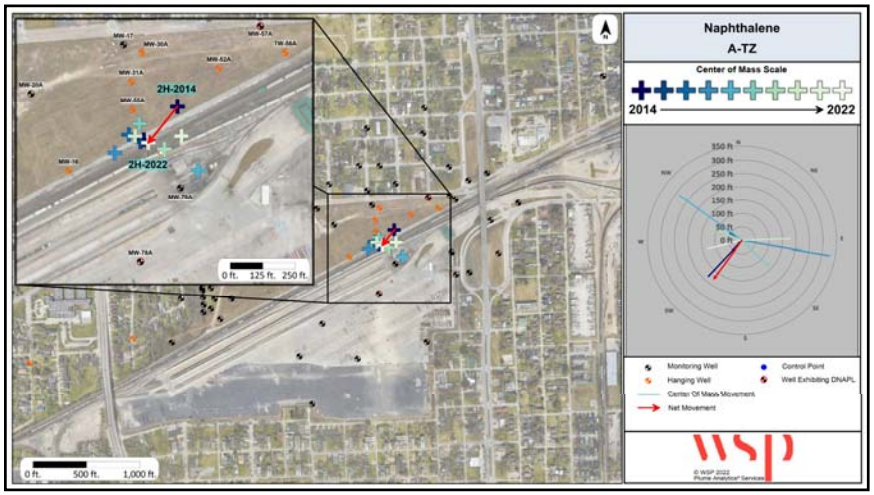
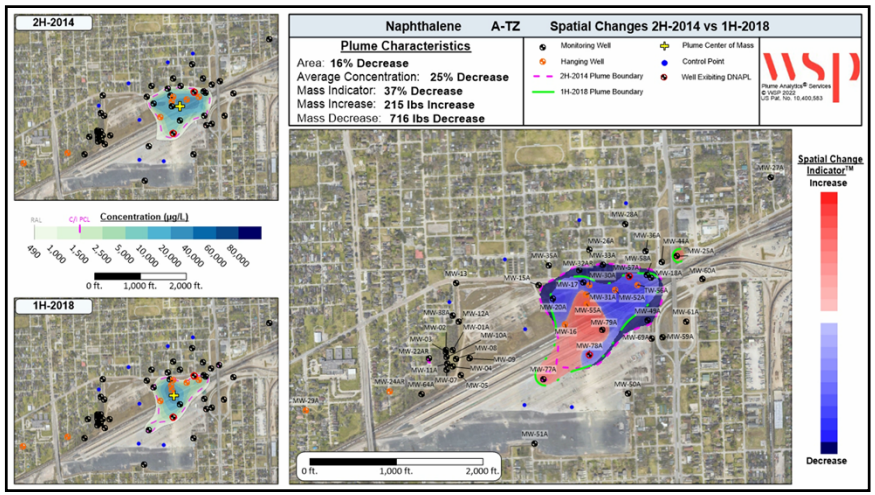
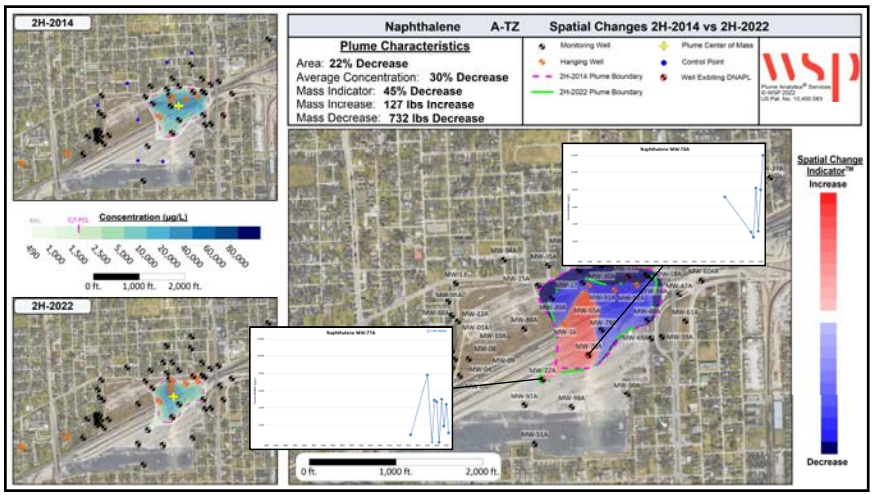

2H-2014
2H-2022
0 ft. 125 ft. 250 ft
0 ft. 500 ft. 1,000 ft.
Naphthalene
A-TZ
Center of Mass Scale
2014
2022
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL

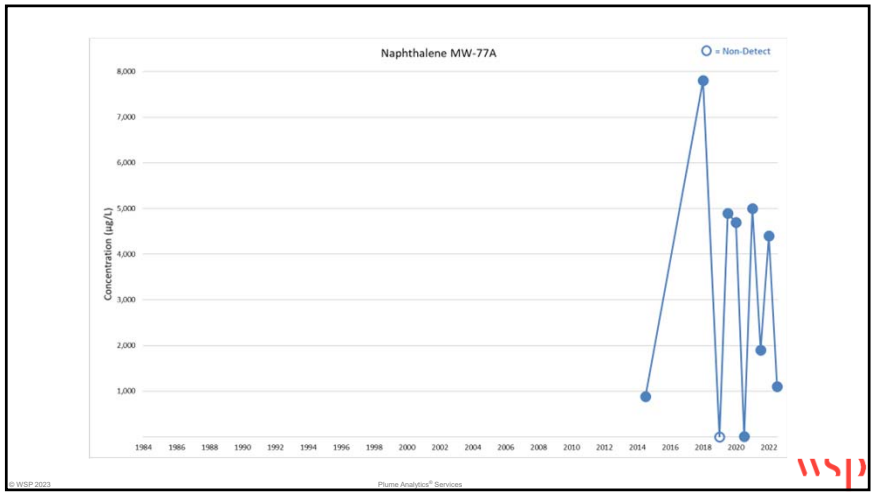
34


2H-2014
1H-2018
Concentration (µg/L)
0 ft. 1,000 ft. 2,000 ft.
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
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
1H-2018 Plume Boundary
Plume Center of Mass
Control Point
Well Exhibiting DNAPL
Spatial Change Indicator™
Increase
Decrease

35


2H-2014
2H-2022
Concentration (µg/L)
0 ft. 1,000 ft. 2,000 ft.
Naphthalene A-TZ Spatial Changes 2H-2014 vs 2H-2022
Plume Characteristics
Area: 22% Decrease
Average Concentration: 30% Decrease
Mass Indicator: 45% Decrease
Mass Increase: 127 lbs Increase
Mass Decrease: 732 lbs Decrease
Monitoring Well
Hanging Well
2H-2014 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Well Exhibiting DNAPL
Spatial Change Indicator™
Increase
Decrease

36


Naphthalene MW-77A
= Non-Detect
Concentration (µg/L)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
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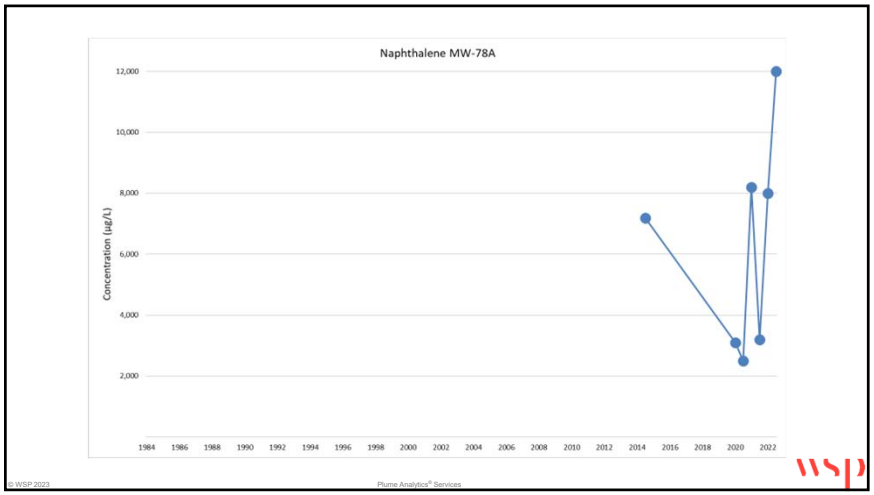
Naphthalene MW-78A
Concentration (µg/L)
12,000
10,000
8,000
6,000
4,000
2,000
1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
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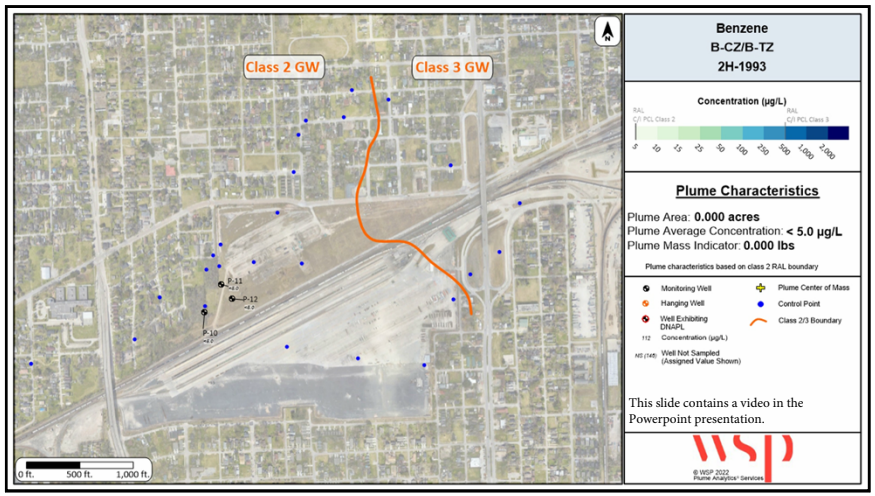
Class 2 GW
Class 3 GW
P-11
P-12
P-10
0 ft.
500 ft.
1,000 ft.
Benzene
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
RAL C/I PCL Class 2
RAL C/I PCL Class 3
5
10
15
25
50
100
250
500
1,000
2,000
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 5.0 µg/L
Plume Mass Indicator: 0.000 lbs
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
Well Exhibiting DNAPL
112 Concentration (µg/L)
NS (145) Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Class 2/3 Boundary
This slide contains a video in the Powerpoint presentation.
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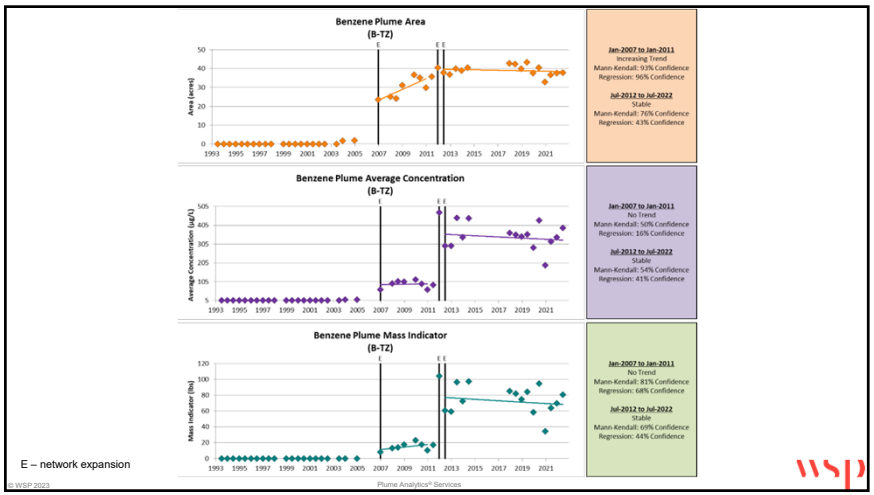
Benzene Plume Area
(B-TZ)
Area (acres)
Jan-2007 to Jan-2011
Increasing Trend
Mann-Kendall: 93% Confidence
Regression: 96% Confidence
Jul-2012 to Jul-2022
Stable
Mann-Kendall: 76% Confidence
Regression: 43% Confidence
Benzene Plume Average Concentration
(B-TZ)
Average Concentration (µg/L)
Jan-2007 to Jan-2011
No Trend
Mann-Kendall: 50% Confidence
Regression: 16% Confidence
Jul-2012 to Jul-2022
Stable
Mann-Kendall: 54% Confidence
Regression: 41% Confidence
Benzene Plume Mass Indicator
(B-TZ)
Mass Indicator (lbs)
Jan-2007 to Jan-2011
No Trend
Mann-Kendall: 81% Confidence
Regression: 68% Confidence
Jul-2012 to Jul-2022
Stable
Mann-Kendall: 69% Confidence
Regression: 44% Confidence
E – network expansion
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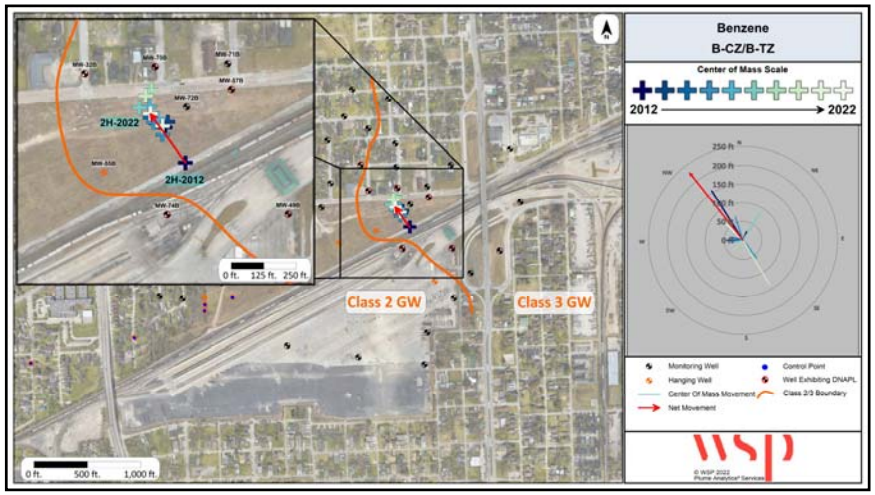
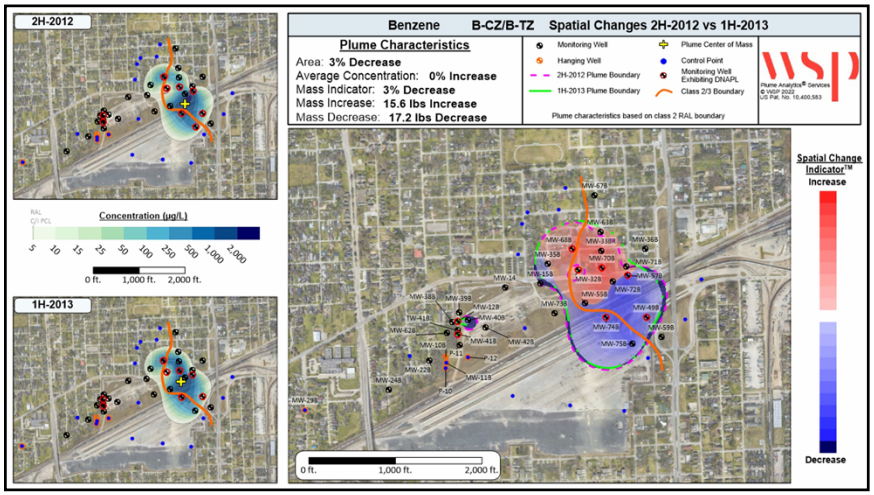
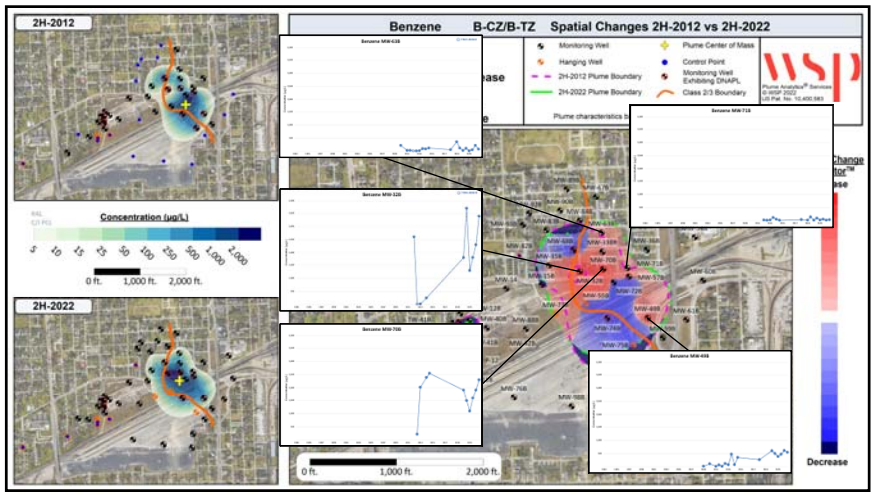

Benzene
B-CZ/B-TZ
Center of Mass Scale
2012
2022
2H-2022
2H-2012
Class 2 GW
Class 3 GW
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
Class 2/3 Boundary
0 ft. 125 ft. 250 ft.
0 ft. 500 ft. 1,000 ft.

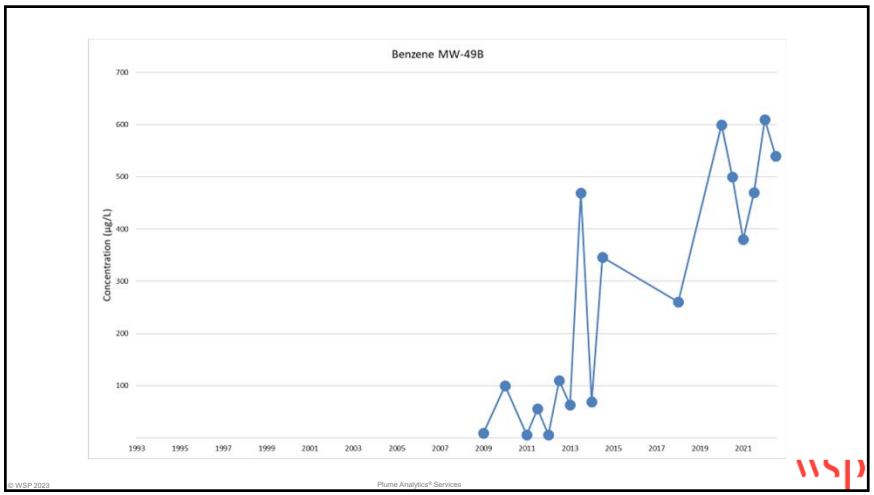
41


2H-2012
1H-2013
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
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
1H-2013 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

42


2H-2012
2H-2022
Benzene B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2022
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Concentration (µg/L)
Decrease
0 ft. 1,000 ft. 2,000 ft.

43


Benzene MW-49B
Concentration (µg/L)
700
600
500
400
300
200
100
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
Plume Analytics® Services

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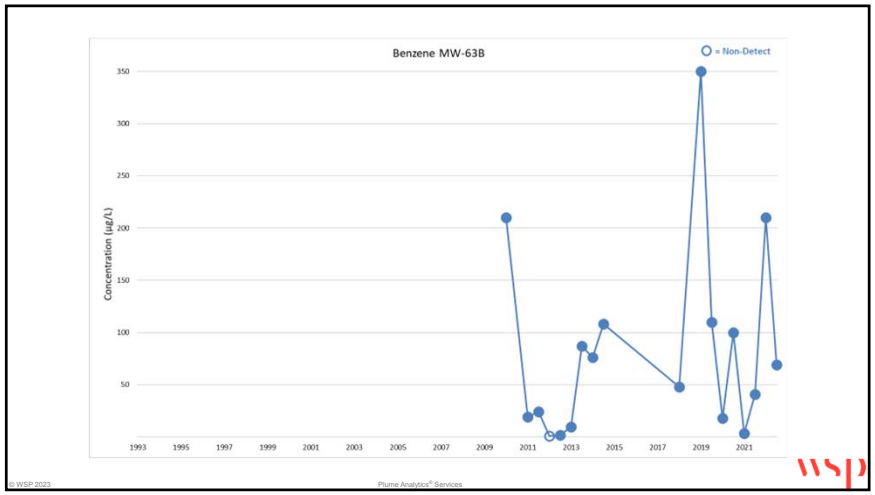
Benzene MW-63B
= Non-Detect
Concentration (µg/L)
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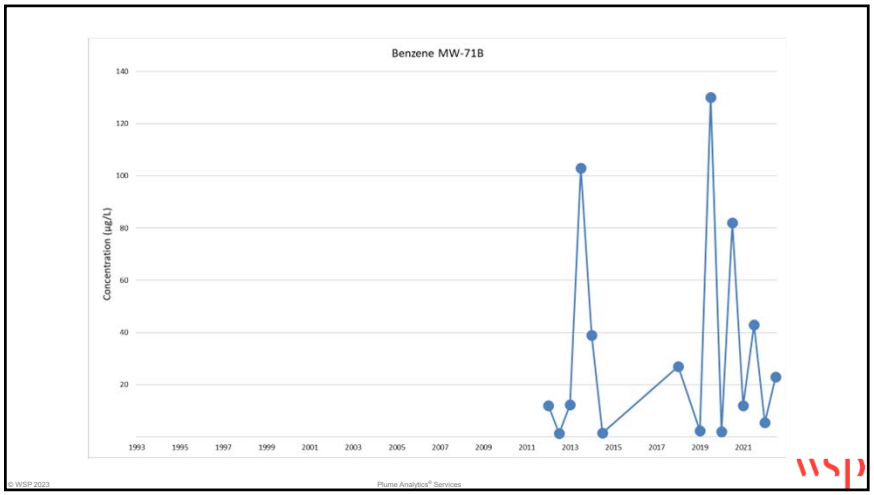
Benzene MW-71B
Concentration (µg/L)
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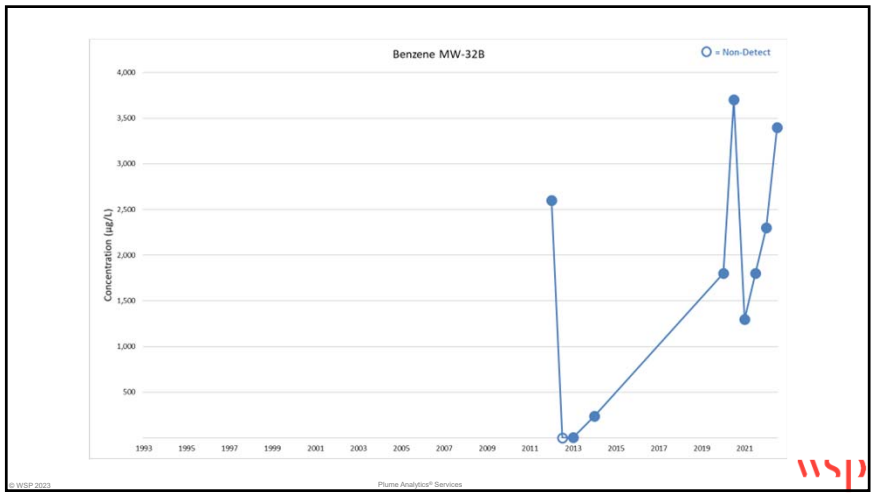
Benzene MW-32B
= Non-Detect
Concentration (µg/L)
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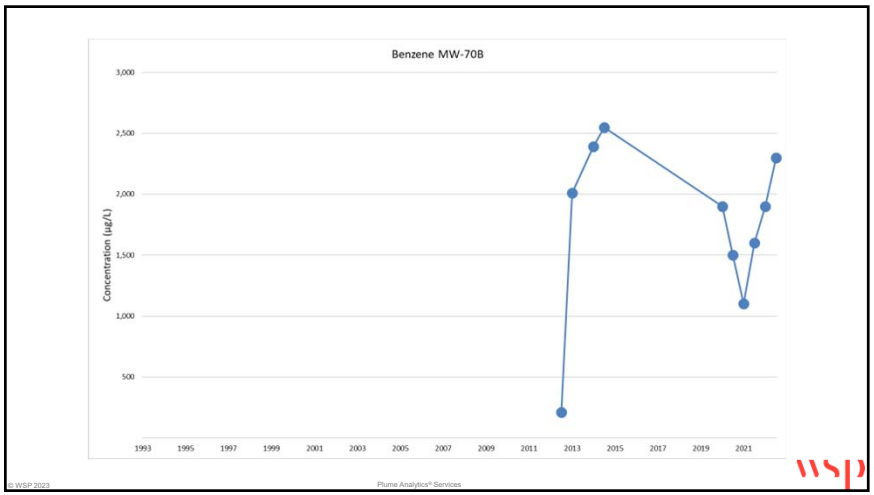
Benzene MW-70B
Concentration (µg/L)
© WSP 2023
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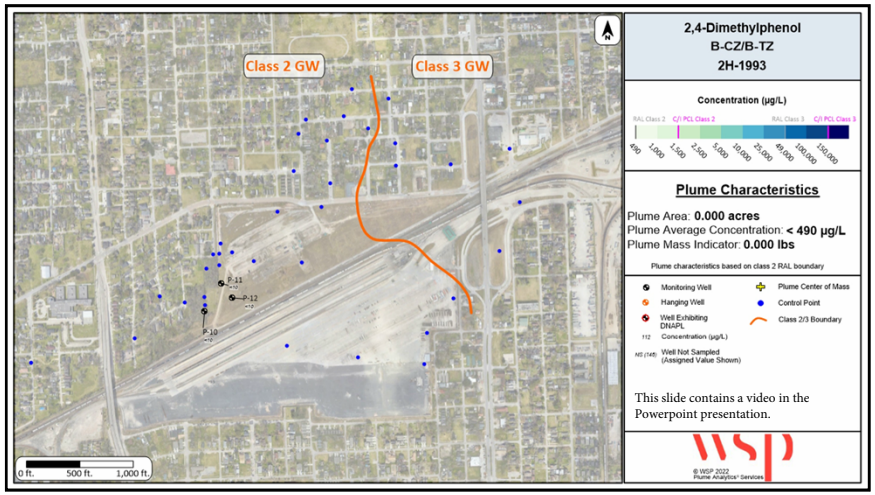
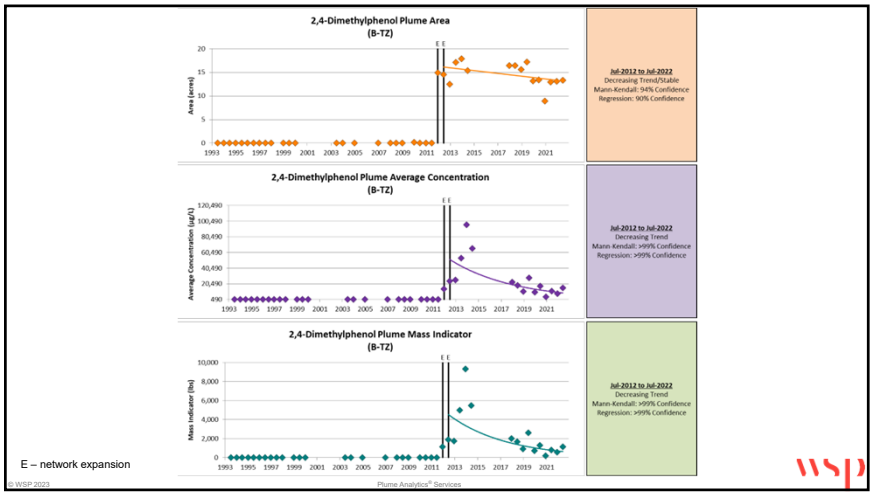
48


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
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
Well Exhibiting DNAPL
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Class 2/3 Boundary
This slide contains a video in the Powerpoint presentation.
0 ft. 500 ft. 1,000 ft.

49


2,4-Dimethylphenol Plume Area
(B-TZ)
Area (acres)
Jul-2012 to Jul-2022
Decreasing Trend/Stable
Mann-Kendall: 94% Confidence
Regression: 90% Confidence
2,4-Dimethylphenol Plume Average Concentration
(B-TZ)
Average Concentration (µg/L)
Jul-2012 to Jul-2022
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
2,4-Dimethylphenol Plume Mass Indicator
(B-TZ)
Mass Indicator (lbs)
Jul-2012 to Jul-2022
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
E – network expansion
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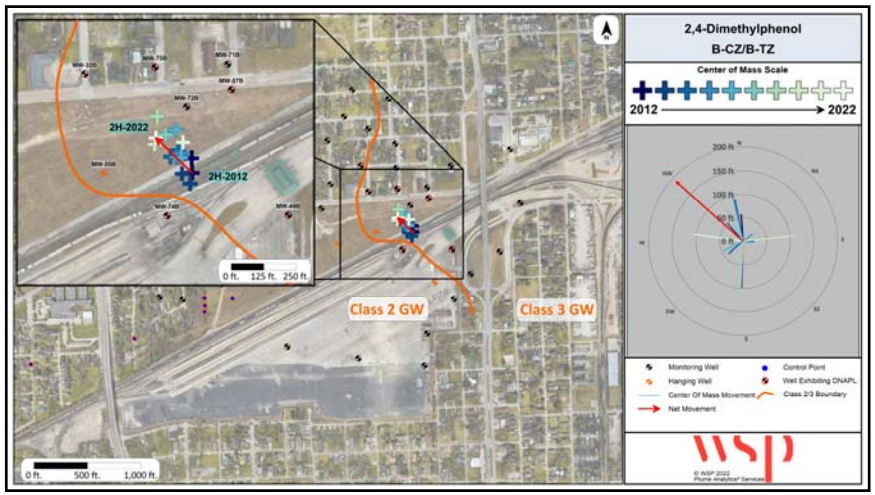
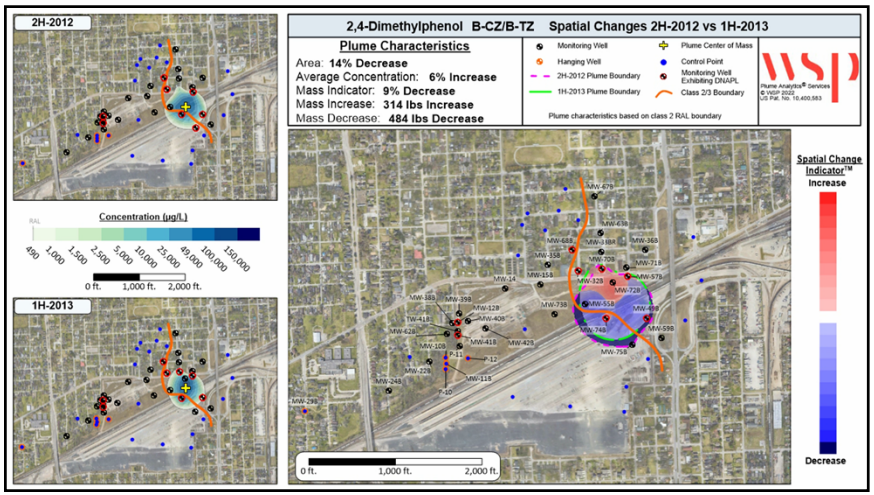
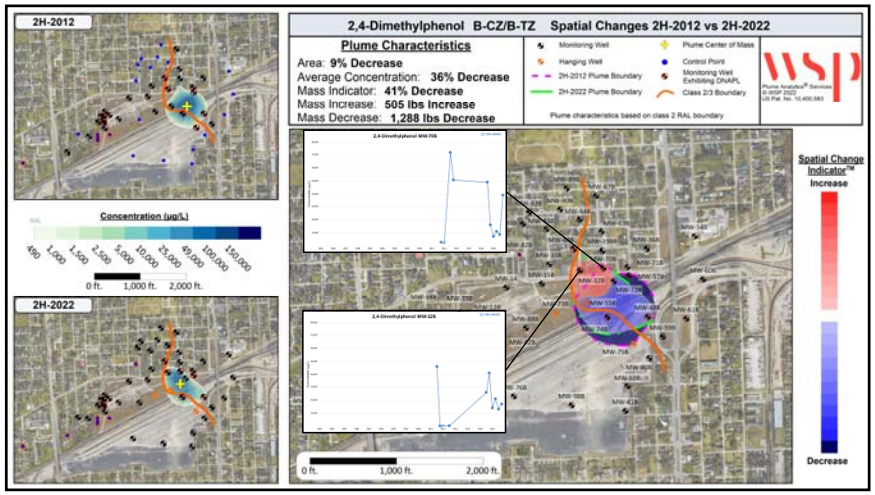

2,4-Dimethylphenol
B-CZ/B-TZ
Center of Mass Scale
2012
2022
2H-2022
2H-2012
Class 2 GW
Class 3 GW
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
Class 2/3 Boundary
0 ft. 500 ft. 1,000 ft.
0 ft. 125 ft. 250 ft.

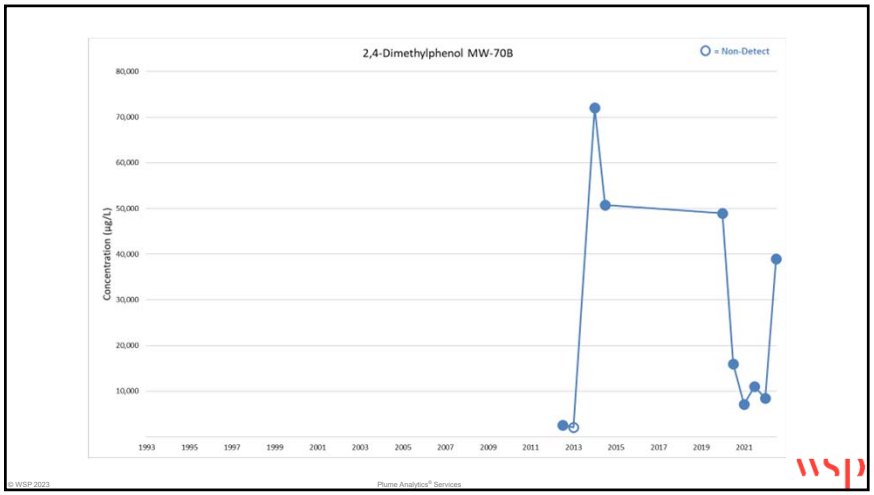
51


2H-2012
1H-2013
Concentration (µg/L)
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
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
1H-2013 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

52


2H-2012
2H-2022
2,4-Dimethylphenol B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2022
Plume Characteristics
Area: 9% Decrease
Average Concentration: 36% Decrease
Mass Indicator: 41% Decrease
Mass Increase: 505 lbs Increase
Mass Decrease: 1,288 lbs Decrease
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Plume characteristics based on class 2 RAL boundary
Concentration (µg/L)
400
1,000
1,500
2,500
5,000
10,000
25,000
49,000
100,000
150,000
0 ft.
1,000 ft.
2,000 ft.
Spatial Change Indicator™
Increase
Decrease

53


2,4-Dimethylphenol MW-70B
= Non-Detect
Concentration (µg/L)
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
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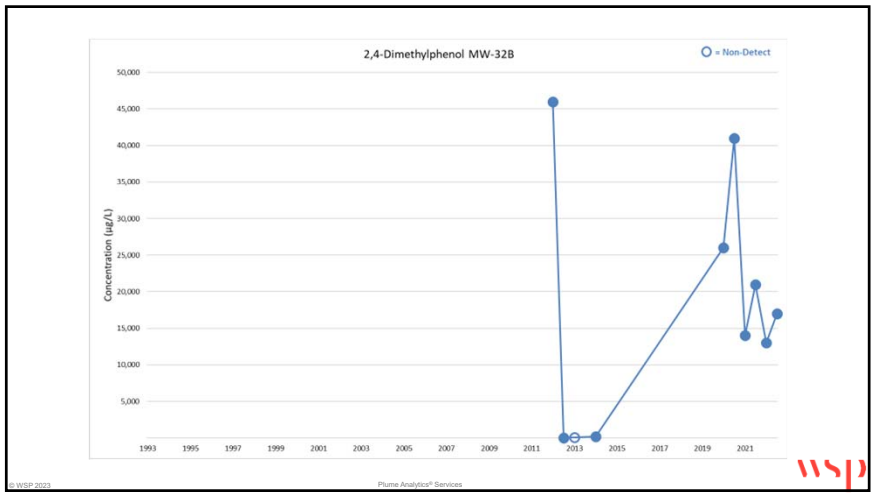
2,4-Dimethylphenol MW-32B
= Non-Detect
Concentration (µg/L)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
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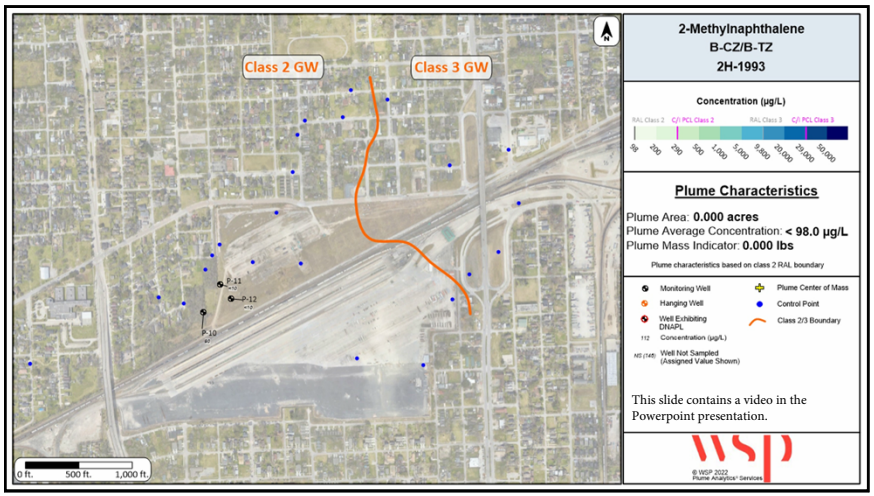
Class 2 GW
Class 3 GW
2-Methylnaphthalene
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
Well Exhibiting DNAPL
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Class 2/3 Boundary
This slide contains a video in the Powerpoint presentation.
0 ft.
500 ft.
1,000 ft.
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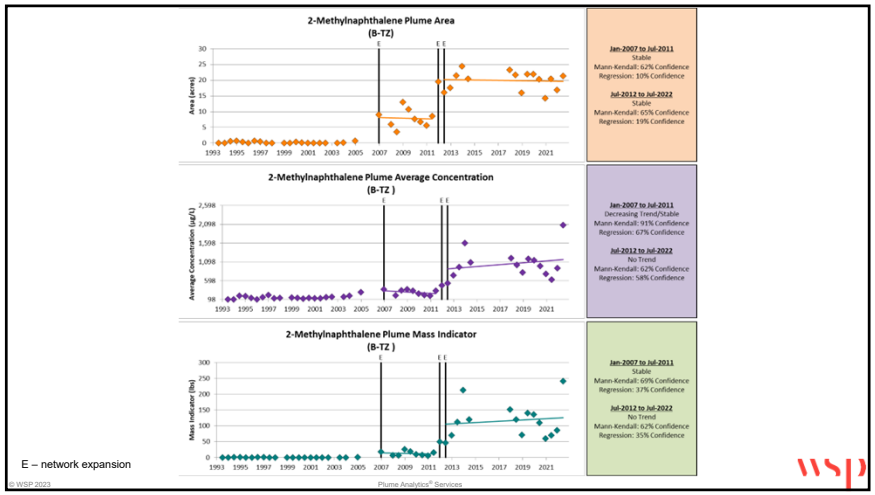
2-Methylnaphthalene Plume Area
(B-TZ)
Area (acres)
Jan-2007 to Jul-2011
Stable
Mann-Kendall: 62% Confidence
Regression: 10% Confidence
Jul-2012 to Jul-2022
Stable
Mann-Kendall: 65% Confidence
Regression: 19% Confidence
2-Methylnaphthalene Plume Average Concentration
(B-TZ)
Average Concentration (µg/L)
Jan-2007 to Jul-2011
Decreasing Trend/Stable
Mann-Kendall: 91% Confidence
Regression: 67% Confidence
Jul-2012 to Jul-2022
No Trend
Mann-Kendall: 62% Confidence
Regression: 58% Confidence
2-Methylnaphthalene Plume Mass Indicator
(B-TZ)
Mass Indicator (lbs)
Jan-2007 to Jul-2011
Stable
Mann-Kendall: 69% Confidence
Regression: 37% Confidence
Jul-2012 to Jul-2022
No Trend
Mann-Kendall: 82% Confidence
Regression: 35% Confidence
E – network expansion
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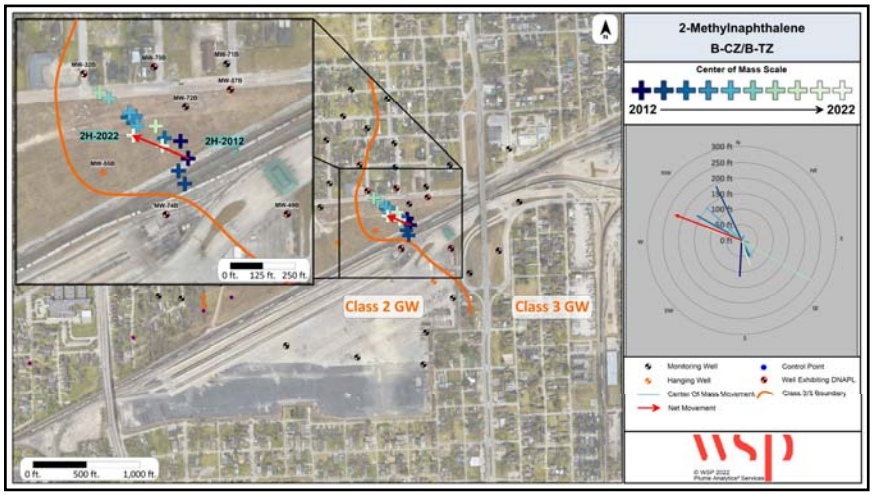
2-Methylnaphthalene
B-CZ/B-TZ
Center of Mass Scale
2012
2022
2H-2022
2H-2012
Class 2 GW
Class 3 GW
0 ft. 125 ft. 250 ft
0 ft. 500 ft. 1,000 ft
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
Class 2/3 Boundary
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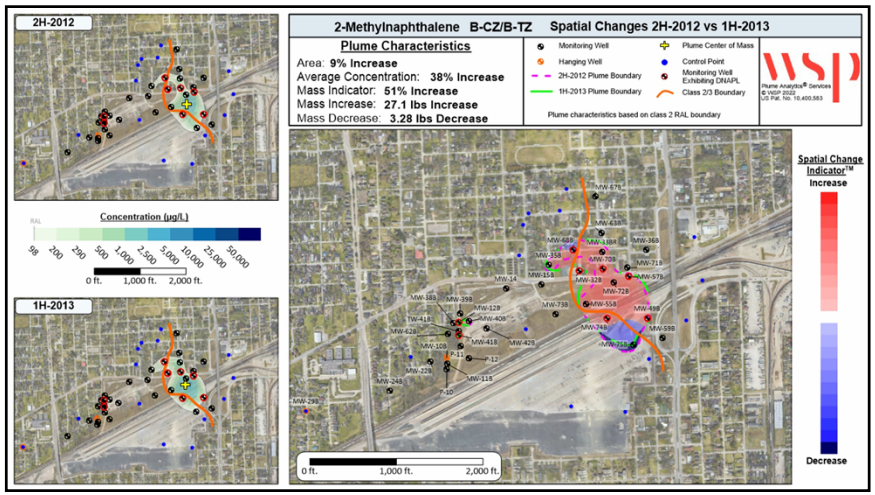
2H-2012
1H-2013
2-Methylnaphthalene B-CZ/B-TZ Spatial Changes 2H-2012 vs 1H-2013
Plume Characteristics
Area: 9% Increase
Average Concentration: 38% Increase
Mass Indicator: 51% Increase
Mass Increase: 27.1 lbs Increase
Mass Decrease: 3.28 lbs Decrease
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
1H-2013 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Plume characteristics based on class 2 RAL boundary
Concentration (µg/L)
RAL
98 200 290 500 1,000 2,500 5,000 10,000 25,000 50,000
0 ft. 1,000 ft. 2,000 ft.
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.
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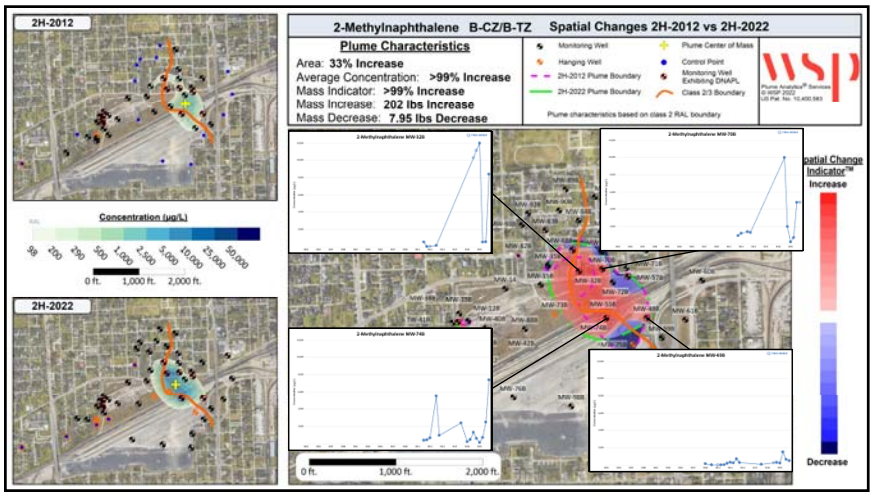
2H-2012
2H-2022
2-Methylnaphthalene B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2022
Plume Characteristics
Area: 33% Increase
Average Concentration: >99% Increase
Mass Indicator: >99% Increase
Mass Increase: 202 lbs Increase
Mass Decrease: 7.95 lbs Decrease
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Plume characteristics based on class 2 RAL boundary
Concentration (µg/L)
RAL
98 200 290 500 1,000 2,500 5,000 10,000 25,000 50,000
0 ft. 1,000 ft. 2,000 ft.
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.
Plume Analytics® Services
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US Pat. No. 10,400,583

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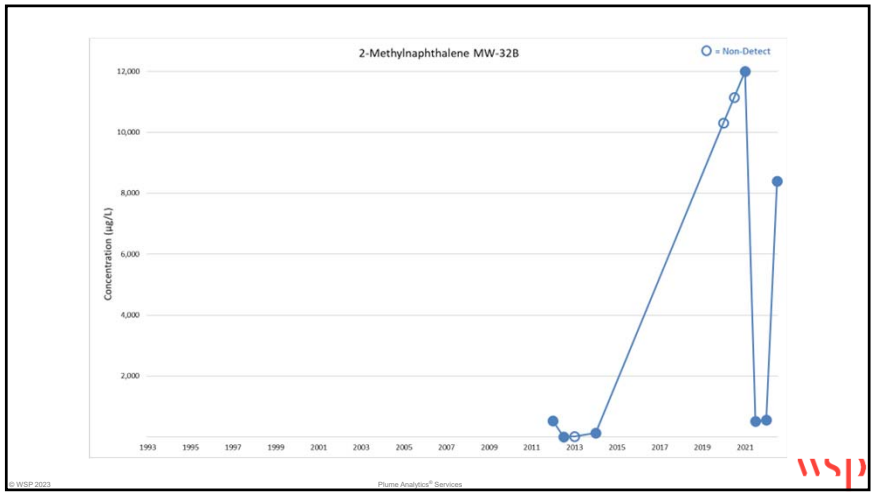
2-Methylnaphthalene MW-32B
= Non-Detect
Concentration (µg/L)
12,000
10,000
8,000
6,000
4,000
2,000
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
© WSP 2023
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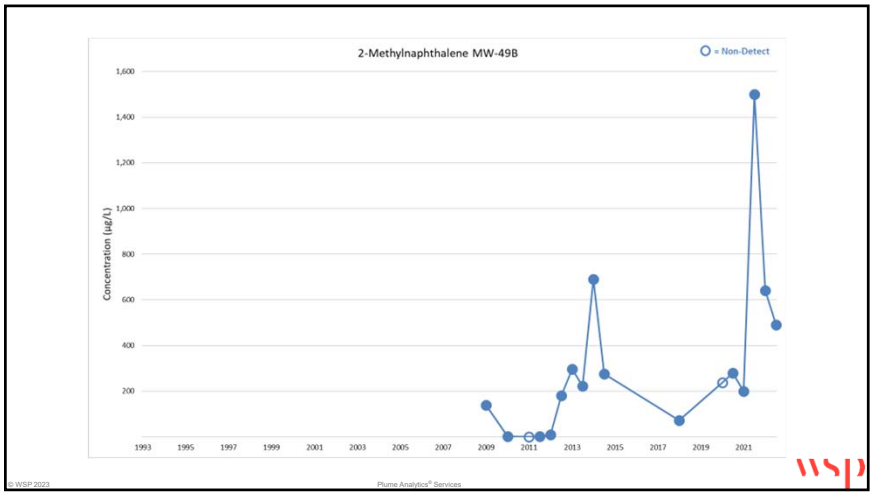
2-Methylnaphthalene MW-49B
= Non-Detect
Concentration (µg/L)
1,600
1,400
1,200
1,000
800
600
400
200
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
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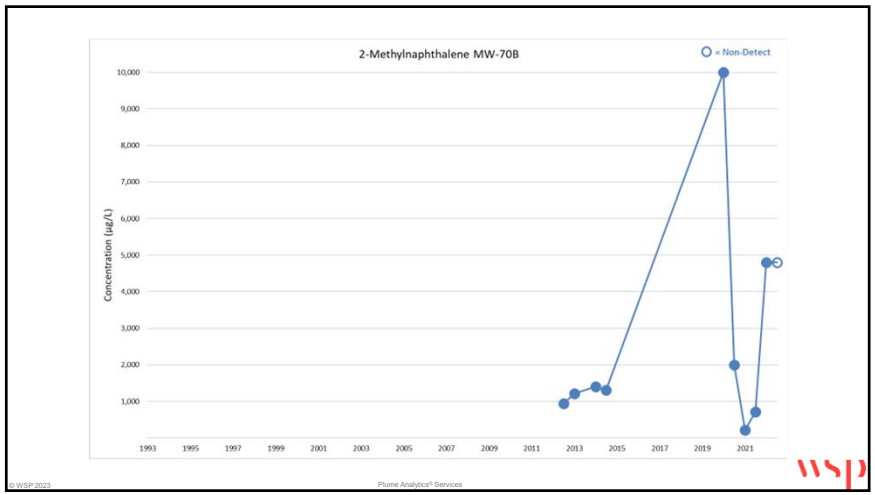
2-Methylnaphthalene MW-70B
= Non-Detect
Concentration (µg/L)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
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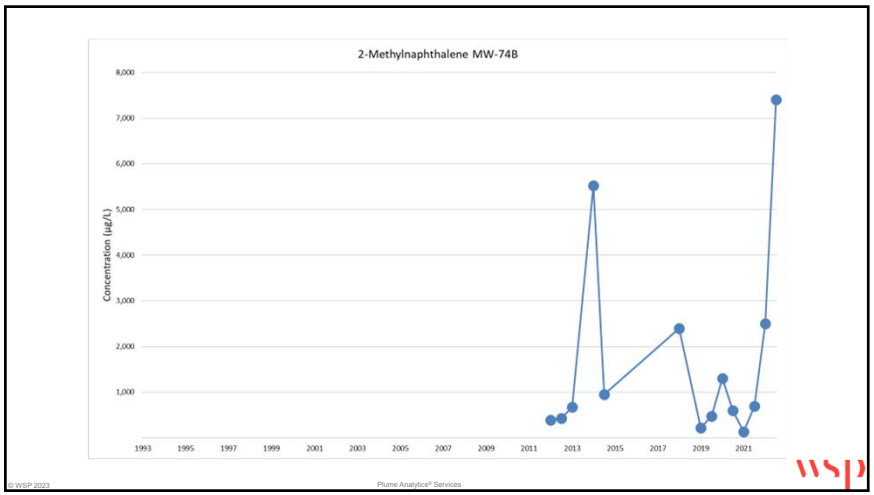
2-Methylnaphthalene MW-74B
Concentration (µg/L)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
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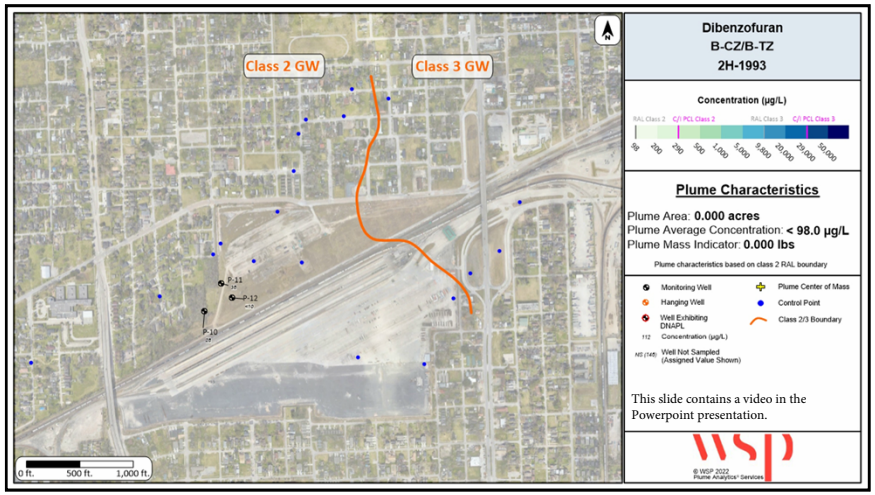
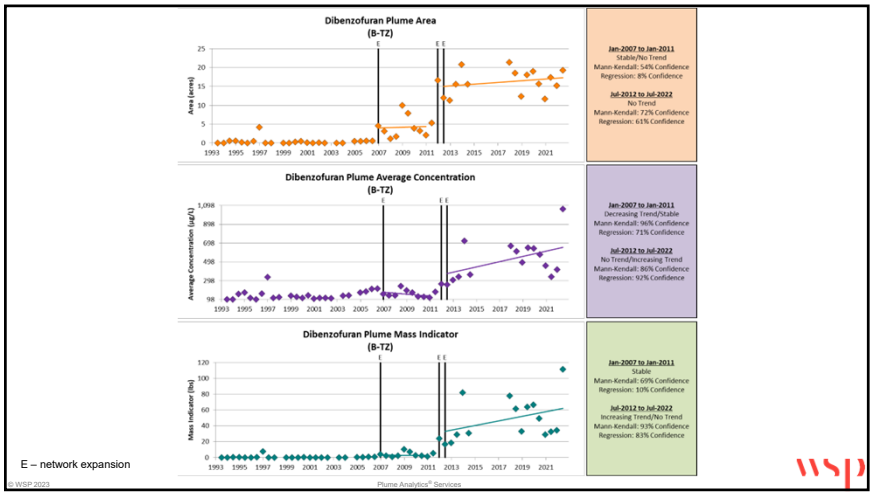

Class 2 GW
Class 3 GW
Dibenzofuran
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
Well Exhibiting DNAPL
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Class 2/3 Boundary
This slide contains a video in the Powerpoint presentation.
0 ft. 500 ft. 1,000 ft.

65


Dibenzofuran Plume Area
(B-TZ)
Area (acres)
Jan-2007 to Jan-2011
Stable/No Trend
Mann-Kendall: 54% Confidence
Regression: 8% Confidence
Jul-2012 to Jul-2022
No Trend
Mann-Kendall: 72% Confidence
Regression: 61% Confidence
Dibenzofuran Plume Average Concentration
(B-TZ)
Average Concentration (µg/L)
Jan-2007 to Jan-2011
Decreasing Trend/Stable
Mann-Kendall: 96% Confidence
Regression: 71% Confidence
Jul-2012 to Jul-2022
No Trend/Increasing Trend
Mann-Kendall: 86% Confidence
Regression: 92% Confidence
Dibenzofuran Plume Mass Indicator
(B-TZ)
Mass Indicator (lbs)
Jan-2007 to Jan-2011
Stable
Mann-Kendall: 69% Confidence
Regression: 10% Confidence
Jul-2012 to Jul-2022
Increasing Trend/No Trend
Mann-Kendall: 93% Confidence
Regression: 83% Confidence
E – network expansion
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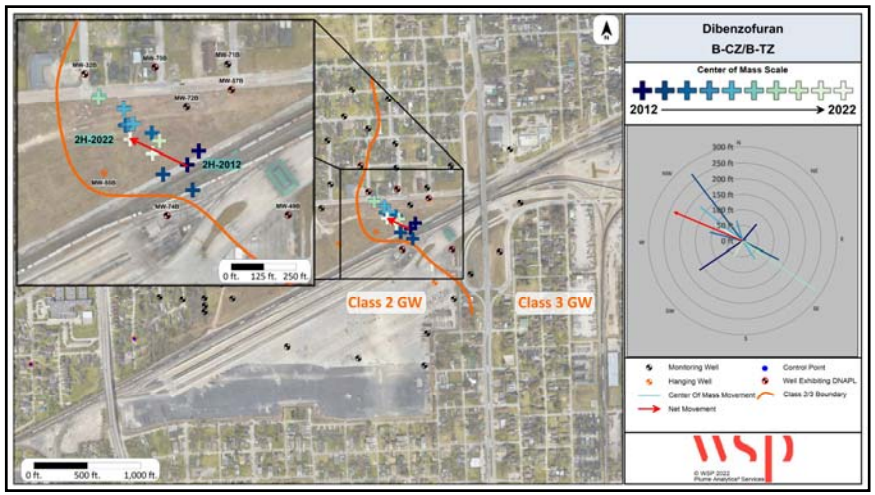
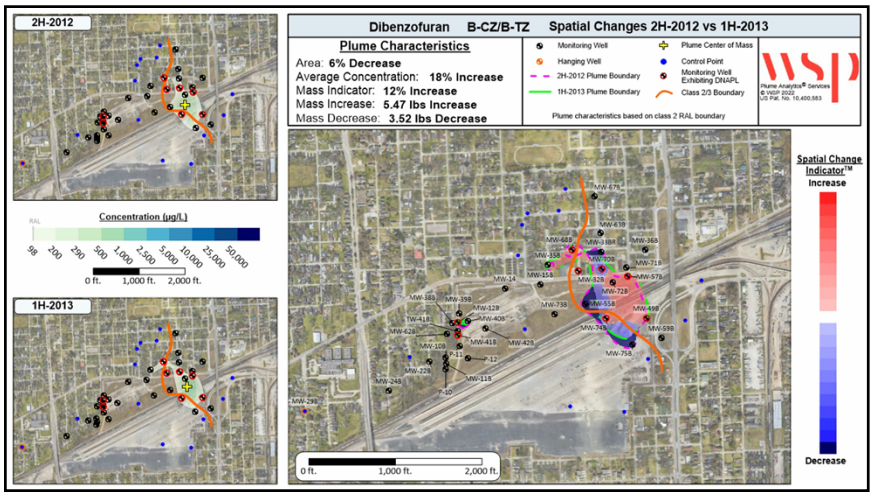
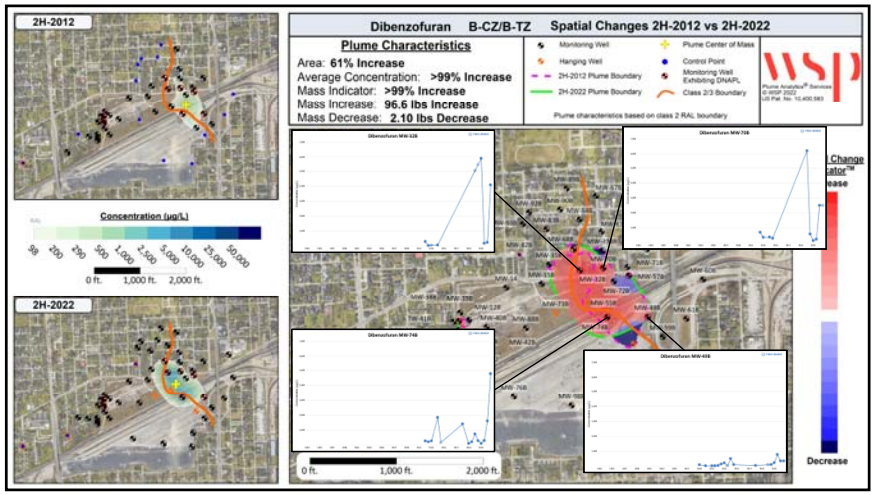
66


Dibenzofuran
B-CZ/B-TZ
Center of Mass Scale
2012
2022
2H-2022
2H-2012
Class 2 GW
Class 3 GW
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
Class 2/3 Boundary
0 ft. 125 ft. 250 ft.
0 ft. 500 ft. 1,000 ft.

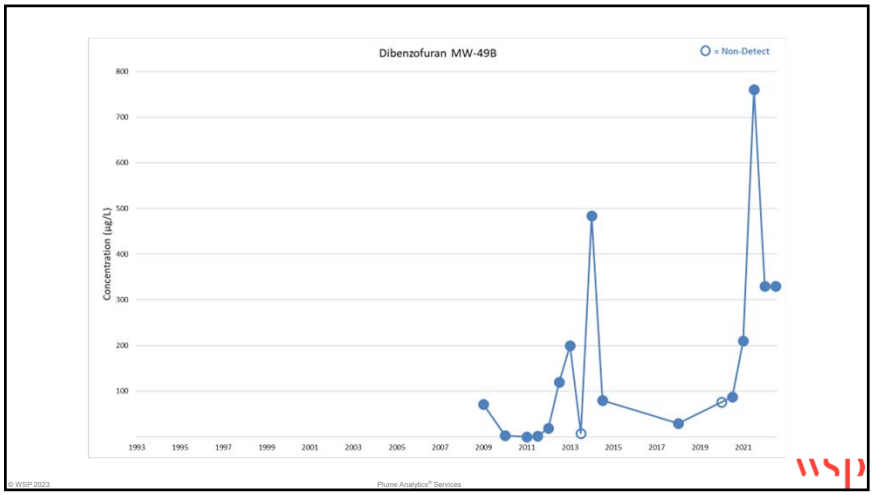
67


2H-2012
1H-2013
Concentration (µg/L)
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
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
1H-2013 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

68


2H-2012
2H-2022
Dibenzofuran B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2022
Plume Characteristics
Area: 61% Increase
Average Concentration: >99% Increase
Mass Indicator: >99% Increase
Mass Increase: 96.6 lbs Increase
Mass Decrease: 2.10 lbs Decrease
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Plume characteristics based on class 2 RAL boundary
Concentration (µg/L)
0 ft.
1,000 ft.
2,000 ft.
Decrease

69


Dibenzofuran MW-49B
= Non-Detect
Concentration (µg/L)
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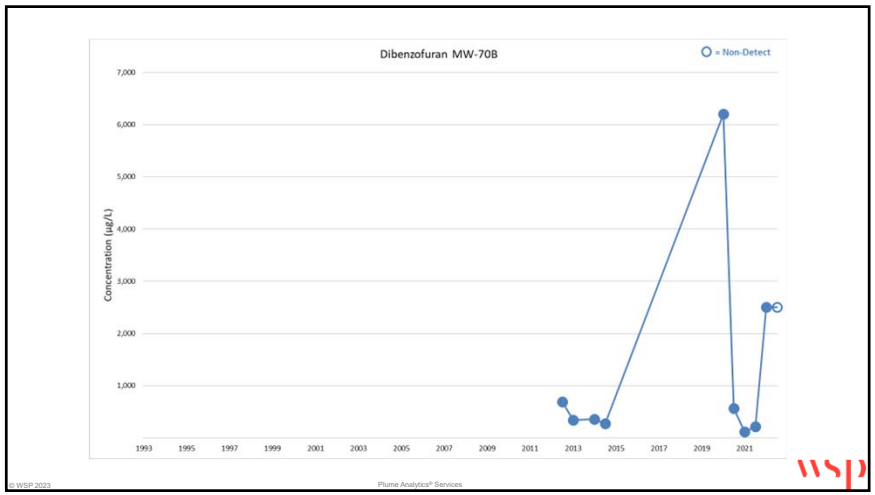
Dibenzofuran MW-70B
= Non-Detect
Concentration (µg/L)
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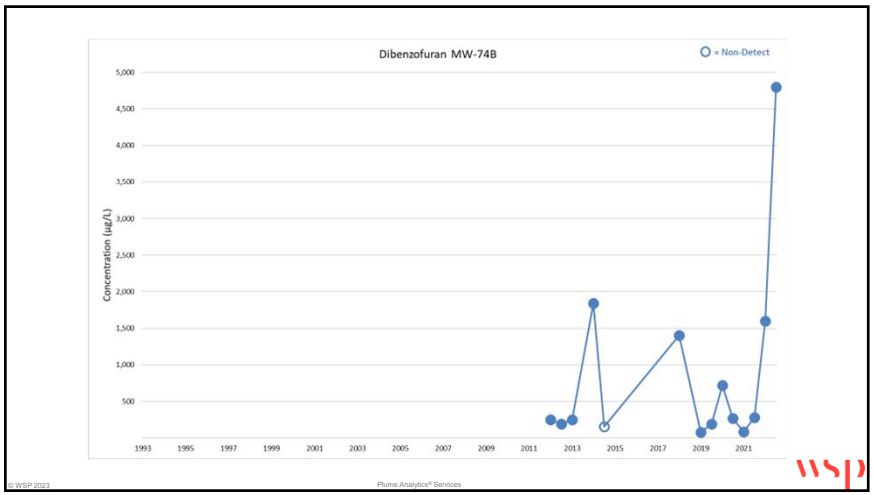
Dibenzofuran MW-74B
= Non-Detect
Concentration (µg/L)
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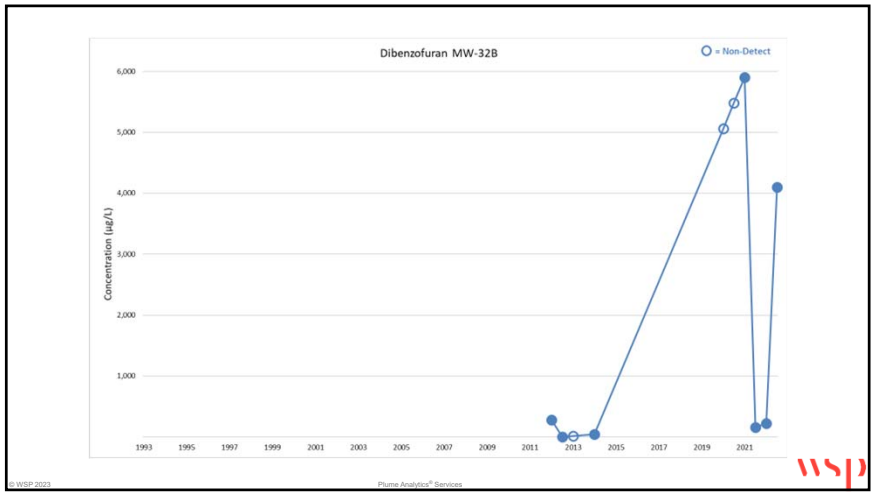
Dibenzofuran MW-32B
○ = Non-Detect
Concentration (µg/L)
6,000
5,000
4,000
3,000
2,000
1,000
1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021
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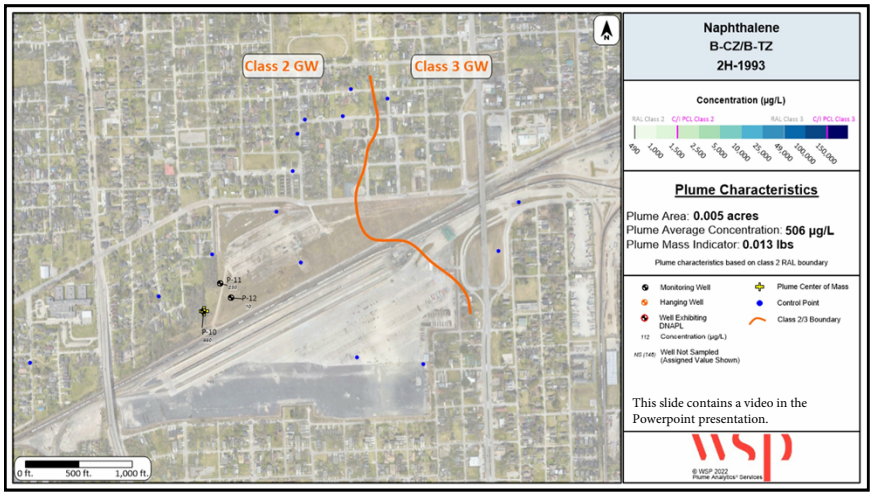
Class 2 GW
Class 3 GW
Naphthalene
B-CZ/B-TZ
2H-1993
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.005 acres
Plume Average Concentration: 506 µg/L
Plume Mass Indicator: 0.013 lbs
Plume characteristics based on class 2 RAL boundary
Monitoring Well
Hanging Well
Well Exhibiting DNAPL
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Class 2/3 Boundary
This slide contains a video in the Powerpoint presentation.
0 ft. 500 ft. 1,000 ft.
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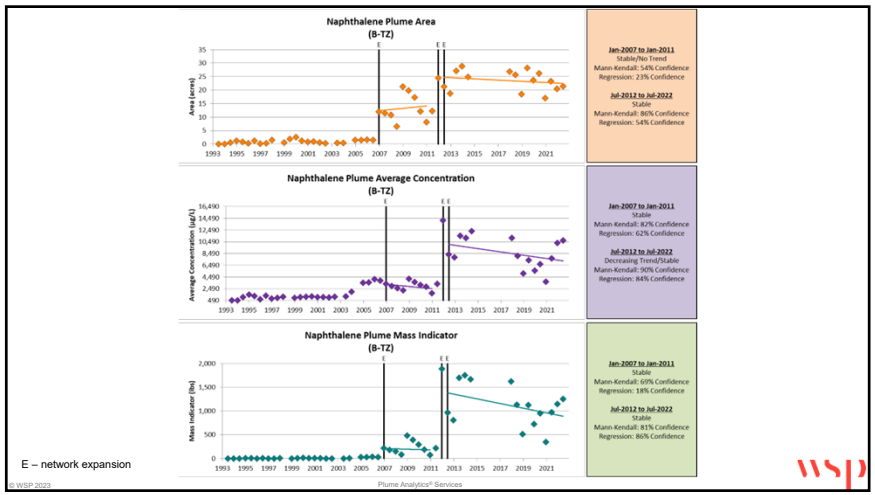
Naphthalene Plume Area
(B-TZ)
Area (acres)
Jan-2007 to Jan-2011
Stable/No Trend
Mann-Kendall: 54% Confidence
Regression: 23% Confidence
Jul-2012 to Jul-2022
Stable
Mann-Kendall: 86% Confidence
Regression: 54% Confidence
Naphthalene Plume Average Concentration
(B-TZ)
Average Concentration (µg/L)
Jan-2007 to Jan-2011
Stable
Mann-Kendall: 82% Confidence
Regression: 62% Confidence
Jul-2012 to Jul-2022
Decreasing Trend/Stable
Mann-Kendall: 90% Confidence
Regression: 84% Confidence
Naphthalene Plume Mass Indicator
(B-TZ)
Mass Indicator (lbs)
Jan-2007 to Jan-2011
Stable
Mann-Kendall: 69% Confidence
Regression: 18% Confidence
Jul-2012 to Jul-2022
Stable
Mann-Kendall: 81% Confidence
Regression: 86% Confidence
E – network expansion
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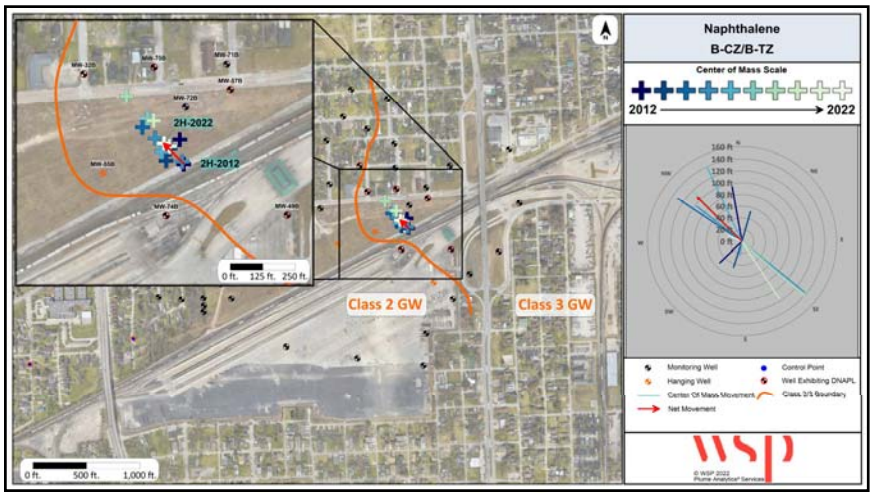
Naphthalene
B-CZ/B-TZ
Center of Mass Scale
2012
2022
2H-2022
2H-2012
Class 2 GW
Class 3 GW
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Well Exhibiting DNAPL
Class 2/3 Boundary
0 ft. 125 ft. 250 ft.
0 ft. 500 ft. 1,000 ft.
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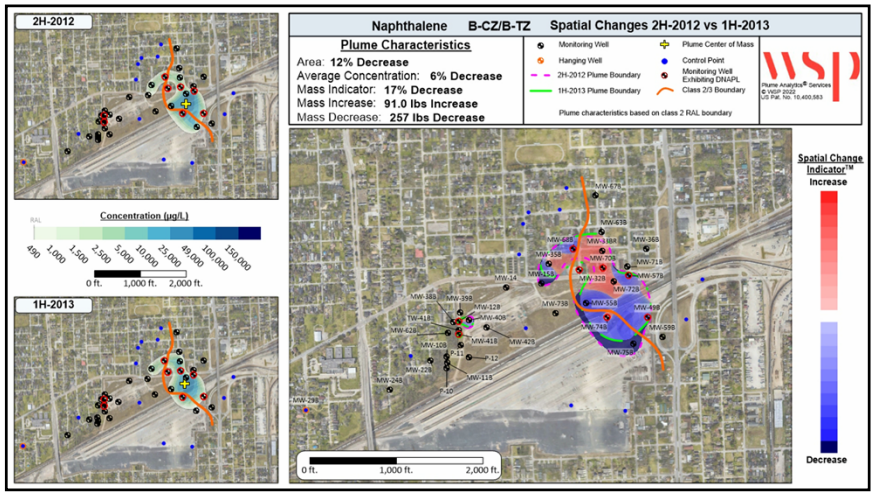
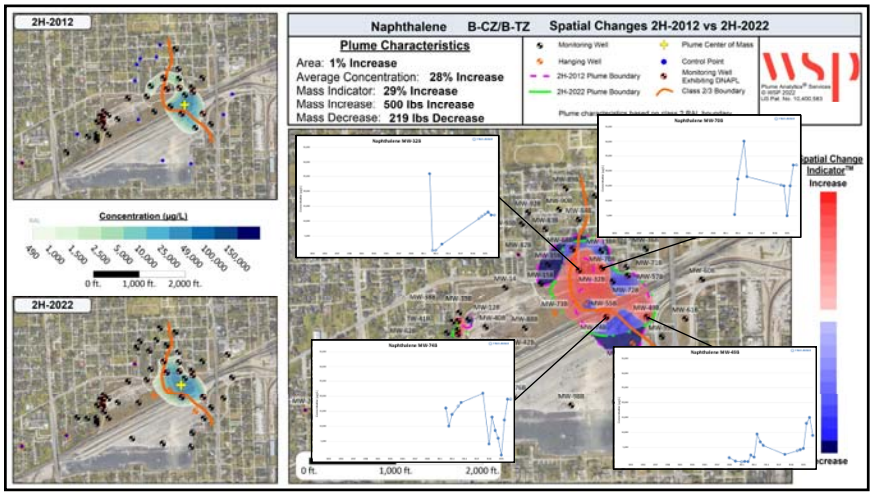
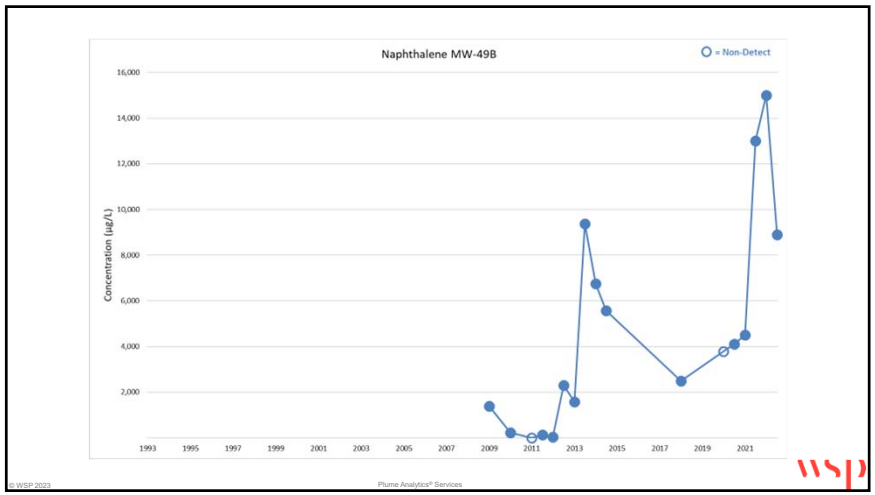
76


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
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
1H-2013 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Plume characteristics based on class 2 RAL boundary
Concentration (µg/L)
RAL
490
1,000
1,500
2,500
5,000
10,000
25,000
49,000
100,000
150,000
0 ft.
1,000 ft.
2,000 ft.
Spatial Change Indicator™
Increase
Decrease

77


2H-2012
2H-2022
Naphthalene B-CZ/B-TZ Spatial Changes 2H-2012 vs 2H-2022
Plume Characteristics
Area: 1% Increase
Average Concentration: 28% Increase
Mass Indicator: 29% Increase
Mass Increase: 500 lbs Increase
Mass Decrease: 219 lbs Decrease
Monitoring Well
Hanging Well
2H-2012 Plume Boundary
2H-2022 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Concentration (µg/L)
490
1,000
1,500
2,500
5,000
10,000
25,000
49,000
100,000
150,000
0 ft.
1,000 ft.
2,000 ft.
Spatial Change Indicator™
Increase

78


Naphthalene MW-49B
= Non-Detect
Concentration (µg/L)
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
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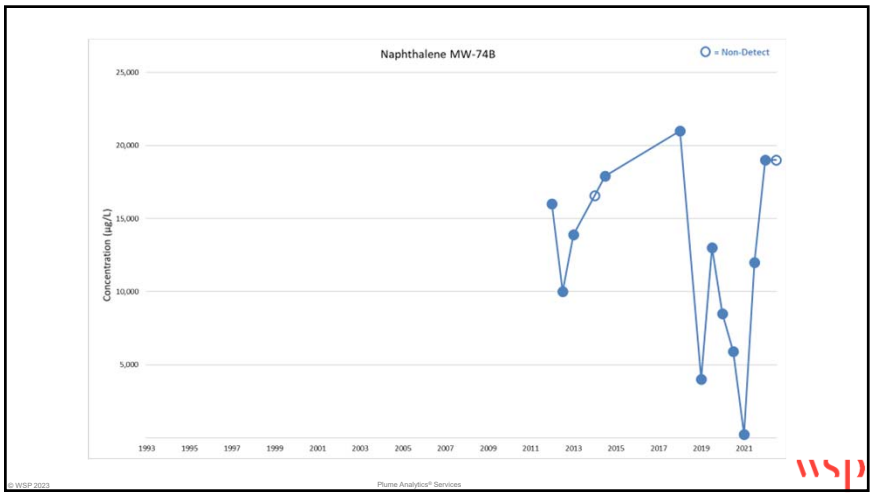
Naphthalene MW-74B
= Non-Detect
Concentration (µg/L)
25,000
20,000
15,000
10,000
5,000
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
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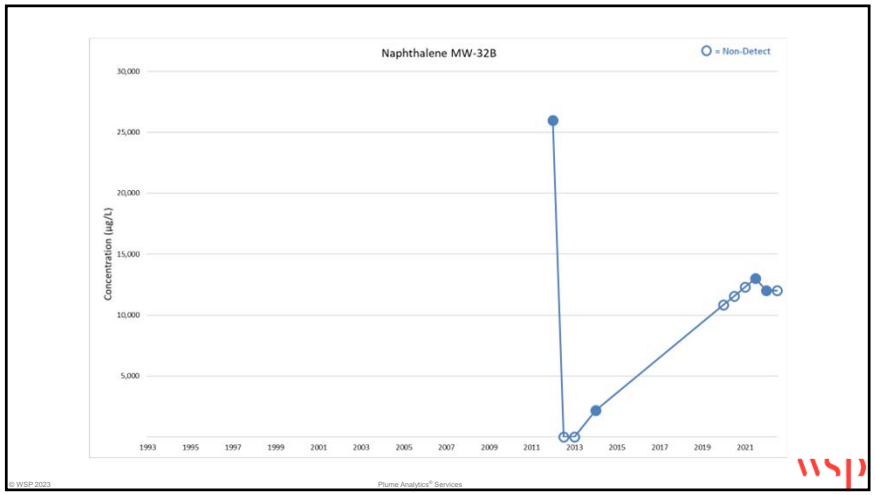
80


Naphthalene MW-32B
= Non-Detect
Concentration (µg/L)
30,000
25,000
20,000
15,000
10,000
5,000
1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021
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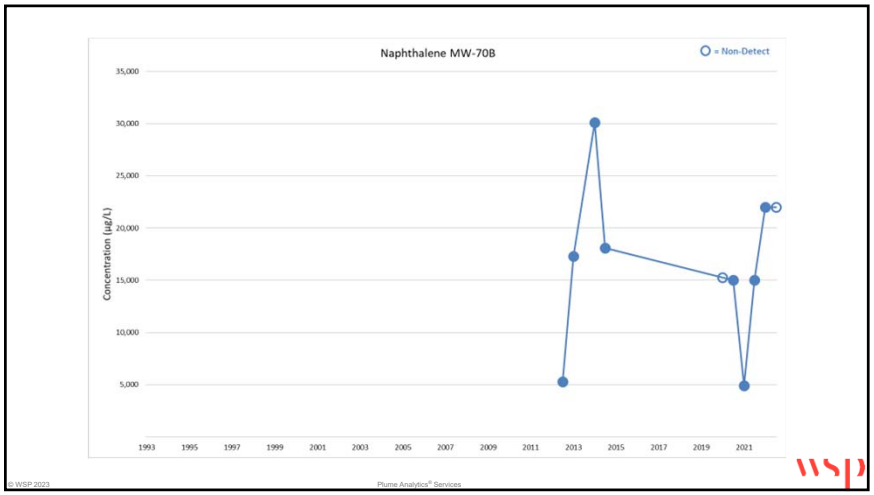
81


Naphthalene MW-70B
= Non-Detect
Concentration (µg/L)
35,000
30,000
25,000
20,000
15,000
10,000
5,000
1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021
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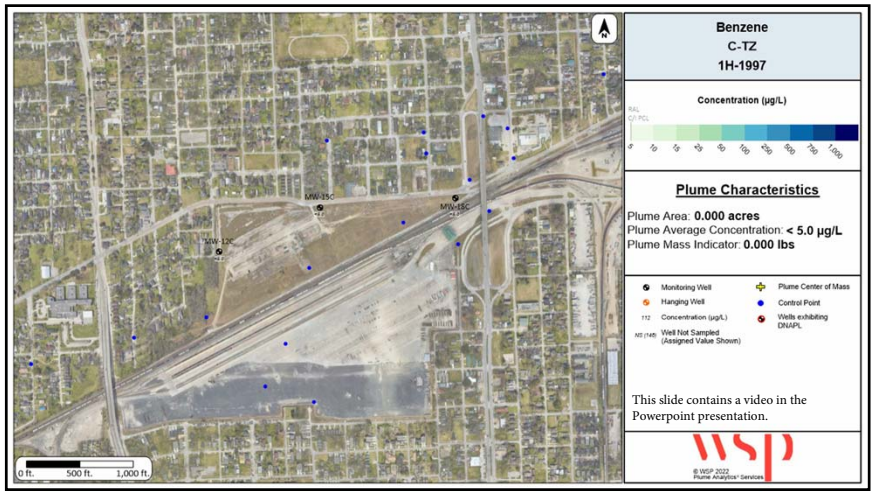
Benzene
C-TZ
1H-1997
Concentration (µg/L)
RAL
GA PCL
5 10 15 25 50 100 250 500 750 1,000
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 5.0 µg/L
Plume Mass Indicator: 0.000 lbs
Monitoring Well
Hanging Well
112 Concentration (µg/L)
NS (145) Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
MW-35C
MW-36C
MW-12C
0 ft. 500 ft. 1,000 ft.
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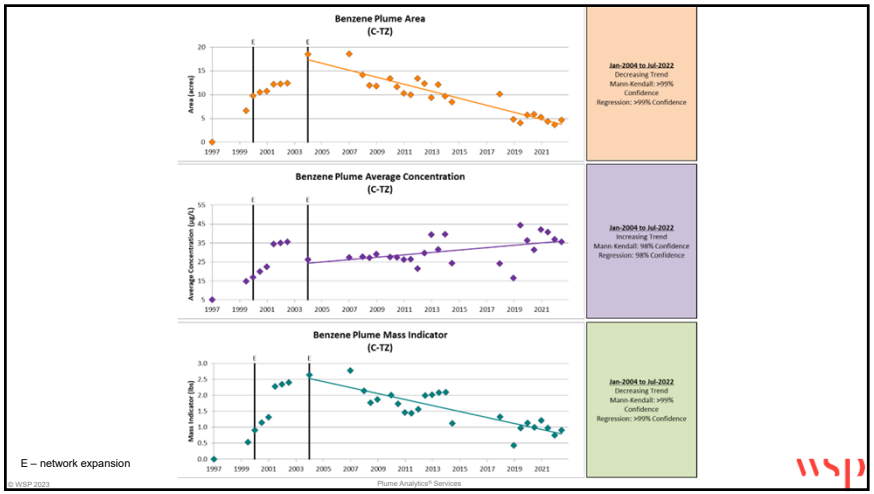
Benzene Plume Area
(C-TZ)
Area (acres)
Jan-2004 to Jul-2022
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
Benzene Plume Average Concentration
(C-TZ)
Average Concentration (µg/L)
Jan-2004 to Jul-2022
Increasing Trend
Mann-Kendall: 98% Confidence
Regression: 98% Confidence
Benzene Plume Mass Indicator
(C-TZ)
Mass Indicator (lbs)
Jan-2004 to Jul-2022
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
E – network expansion
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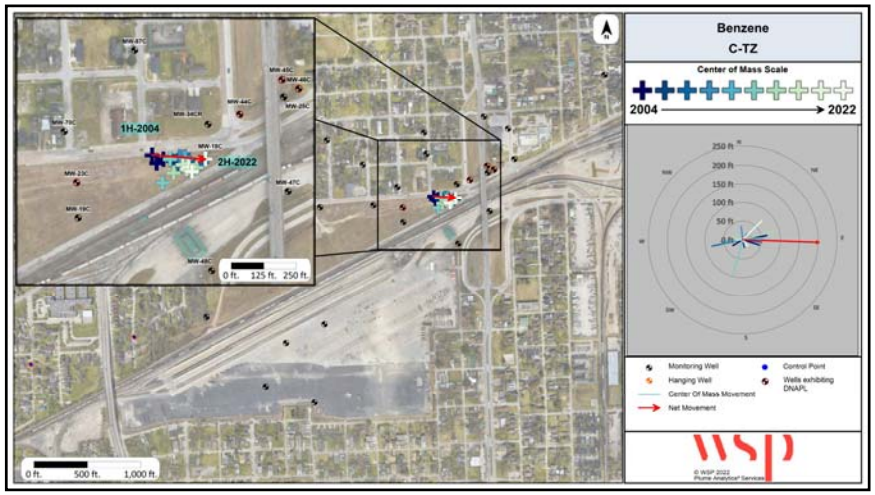
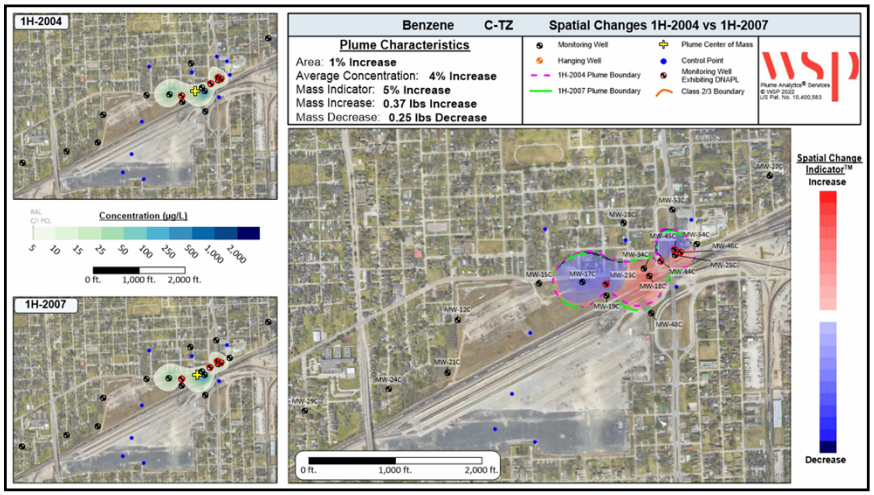
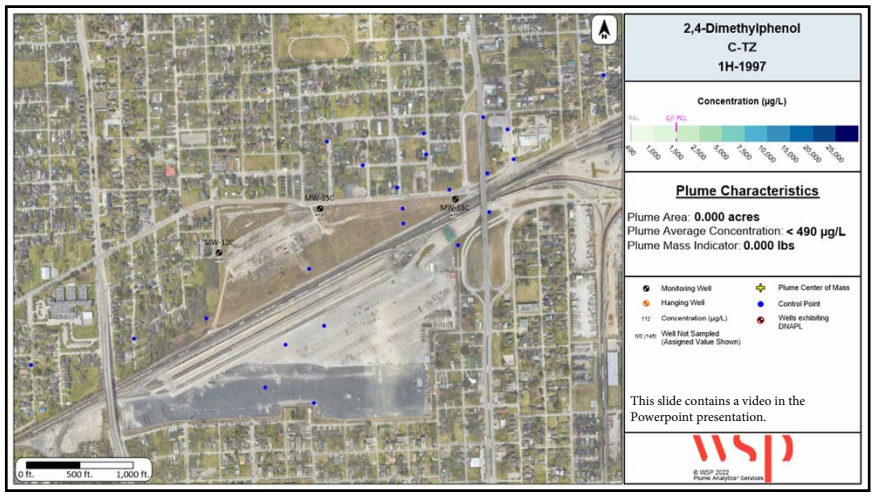

Benzene
C-TZ
Center of Mass Scale
2004
2022
1H-2004
2H-2022
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Wells exhibiting DNAPL
0 ft. 500 ft. 1,000 ft.

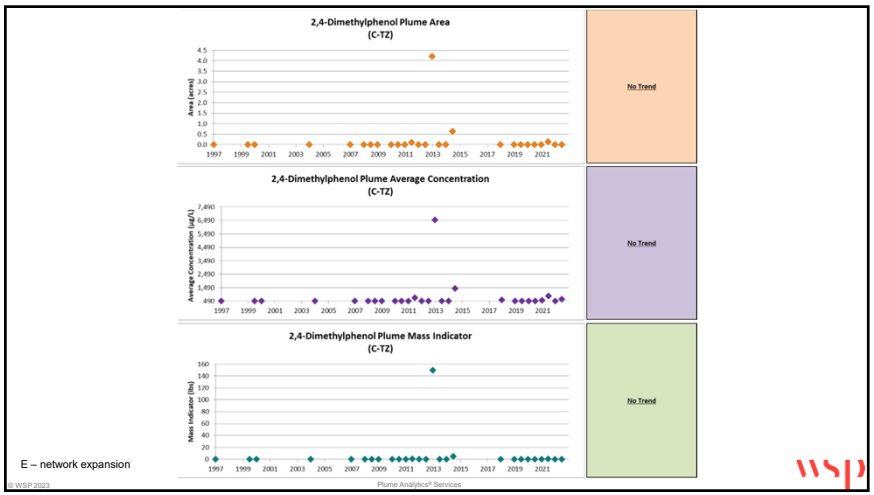
85


1H-2004
1H-2007
Benzene C-TZ Spatial Changes 1H-2004 vs 1H-2007
Plume Characteristics
Area: 1% Increase
Average Concentration: 4% Increase
Mass Indicator: 5% Increase
Mass Increase: 0.37 lbs Increase
Mass Decrease: 0.25 lbs Decrease
Monitoring Well
Hanging Well
1H-2004 Plume Boundary
1H-2007 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

86


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
Monitoring Well
Hanging Well
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
0 ft. 500 ft. 1,000 ft.

87


2,4-Dimethylphenol Plume Area (C-TZ)
Area (acres)
No Trend
2,4-Dimethylphenol Plume Average Concentration (C-TZ)
Average Concentration (µg/L)
No Trend
2,4-Dimethylphenol Plume Mass Indicator (C-TZ)
Mass Indicator (lbs)
No Trend
E – network expansion

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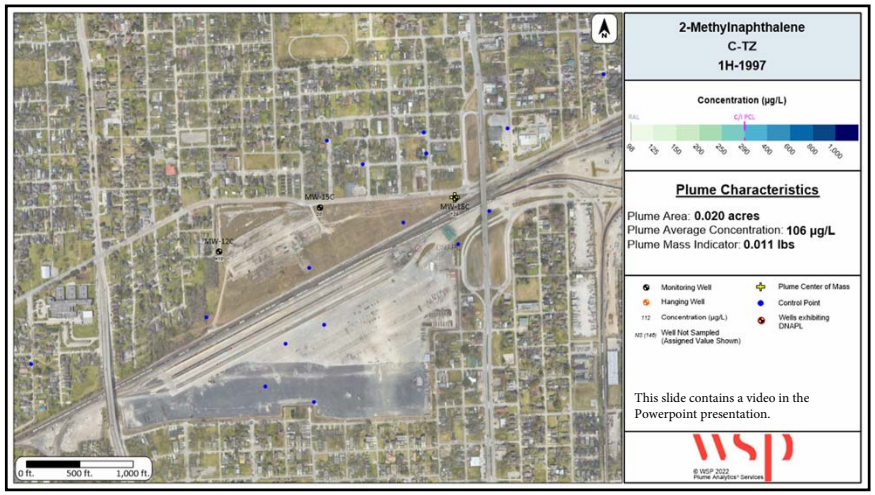
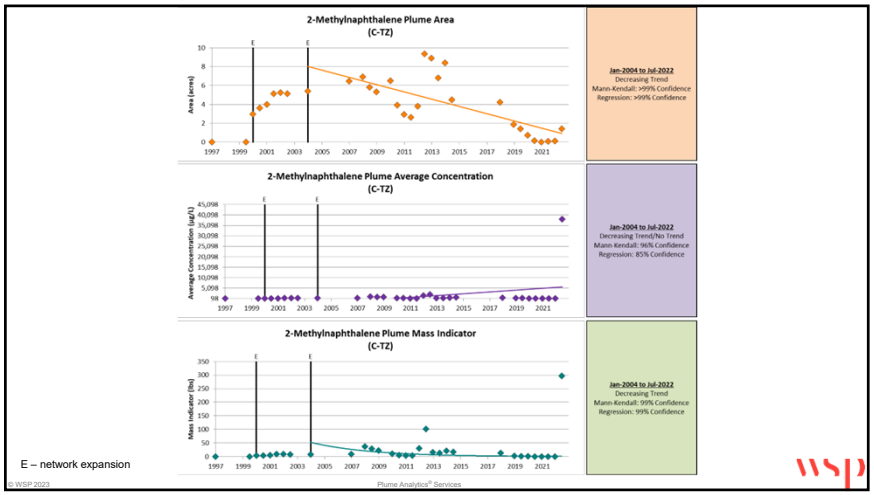

2-Methylnaphthalene
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.020 acres
Plume Average Concentration: 106 µg/L
Plume Mass Indicator: 0.011 lbs
Monitoring Well
Hanging Well
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
0 ft. 500 ft. 1,000 ft.

89


2-Methylnaphthalene Plume Area
(C-TZ)
Area (acres)
Jan-2004 to Jul-2022
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
2-Methylnaphthalene Plume Average Concentration
(C-TZ)
Average Concentration (µg/L)
Jan-2004 to Jul-2022
Decreasing Trend/No Trend
Mann-Kendall: 96% Confidence
Regression: 85% Confidence
2-Methylnaphthalene Plume Mass Indicator
(C-TZ)
Mass Indicator (lbs)
Jan-2004 to Jul-2022
Decreasing Trend
Mann-Kendall: 99% Confidence
Regression: 99% Confidence
E – network expansion
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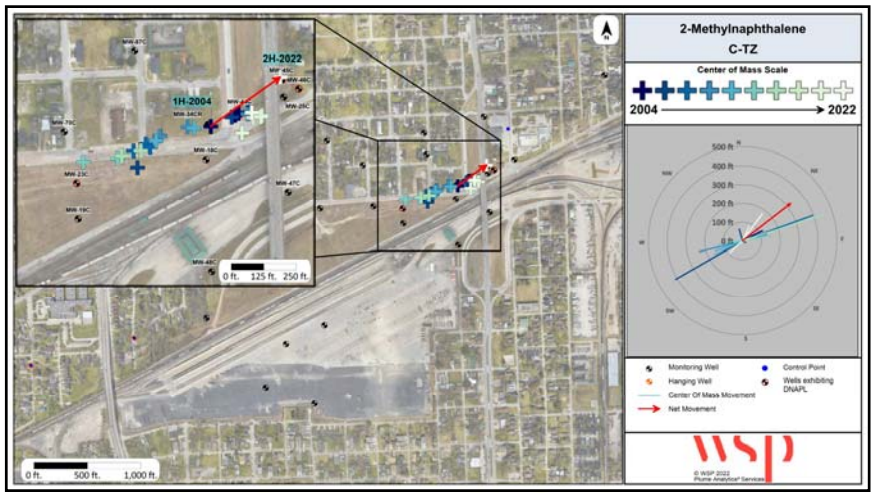
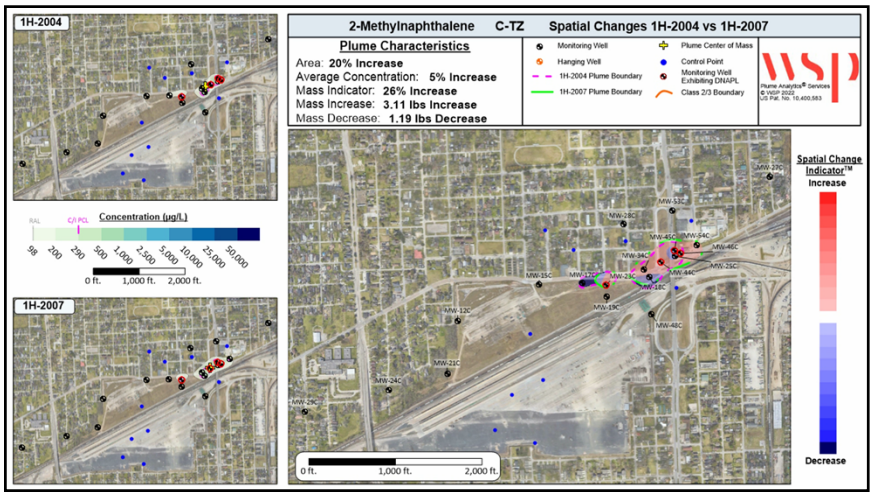
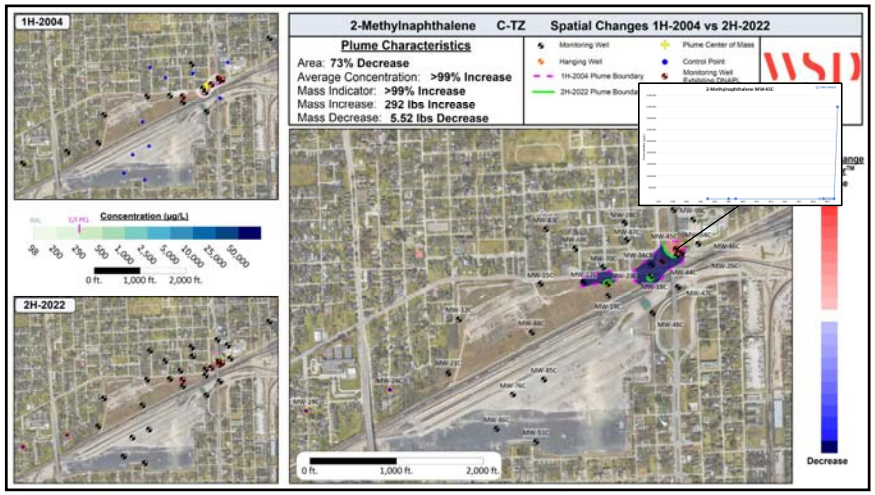

2-Methylnaphthalene
C-TZ
2H-2022
1H-2004
Center of Mass Scale
2004
2022
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Wells exhibiting DNAPL
0 ft. 125 ft. 250 ft.
0 ft. 500 ft. 1,000 ft.

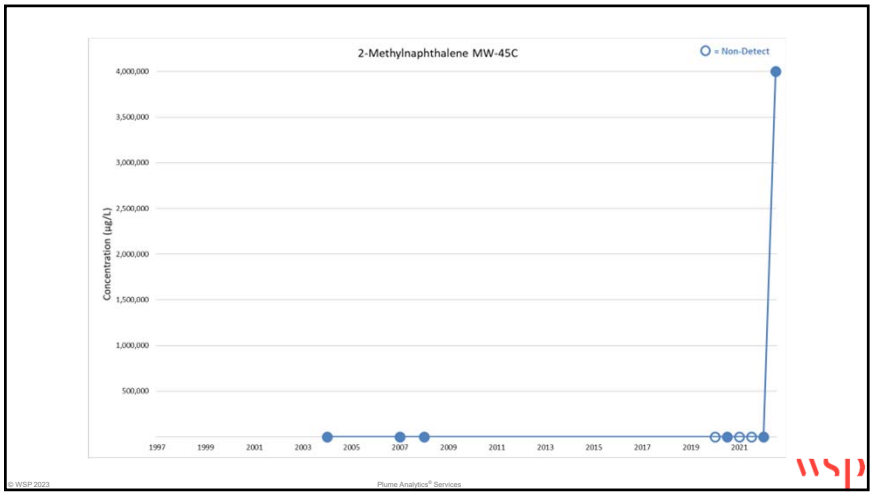
91


1H-2004
1H-2007
2-Methylnaphthalene C-TZ Spatial Changes 1H-2004 vs 1H-2007
Plume Characteristics
Area: 20% Increase
Average Concentration: 5% Increase
Mass Indicator: 26% Increase
Mass Increase: 3.11 lbs Increase
Mass Decrease: 1.19 lbs Decrease
Monitoring Well
Hanging Well
1H-2004 Plume Boundary
1H-2007 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Concentration (µg/L)
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

92


1H-2004
2H-2022
2-Methylnaphthalene C-TZ Spatial Changes 1H-2004 vs 2H-2022
Plume Characteristics
Area: 73% Decrease
Average Concentration: >99% Increase
Mass Indicator: >99% Increase
Mass Increase: 292 lbs Increase
Mass Decrease: 5.52 lbs Decrease
Concentration (µg/L)
Decrease
0 ft. 1,000 ft. 2,000 ft.

93


2-Methylnaphthalene MW-45C
= Non-Detect
Concentration (µg/L)
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021
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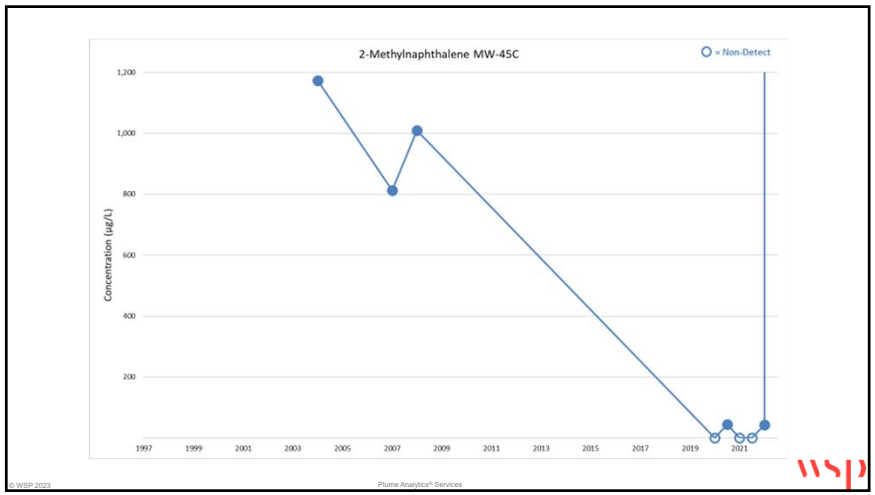
2-Methylnaphthalene MW-45C
= Non-Detect
Concentration (µg/L)
1,200
1,000
800
600
400
200
1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021
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Dibenzofuran
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.000 acres
Plume Average Concentration: < 98.0 µg/L
Plume Mass Indicator: 0.000 lbs
Monitoring Well
Hanging Well
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
MW-35C
MW-45C
MW-12C
0 ft. 500 ft. 1,000 ft.
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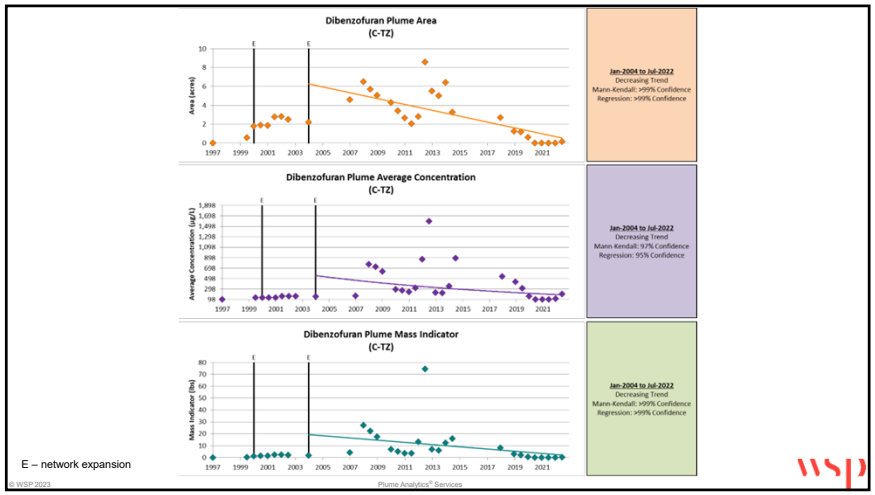
96


Dibenzofuran Plume Area
(C-TZ)
Area (acres)
Jan-2004 to Jul-2022
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
Dibenzofuran Plume Average Concentration
(C-TZ)
Average Concentration (µg/L)
Jan-2004 to Jul-2022
Decreasing Trend
Mann-Kendall: 97% Confidence
Regression: 95% Confidence
Dibenzofuran Plume Mass Indicator
(C-TZ)
Mass Indicator (lbs)
Jan-2004 to Jul-2022
Decreasing Trend
Mann-Kendall: >99% Confidence
Regression: >99% Confidence
E – network expansion
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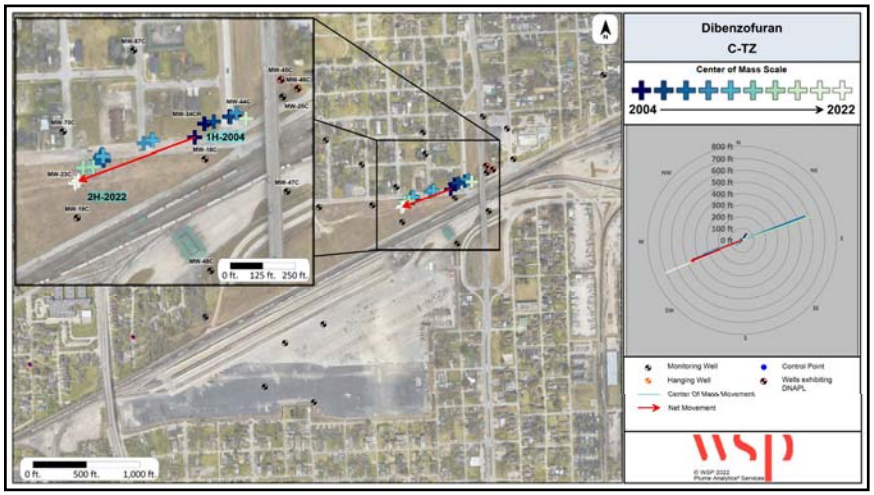
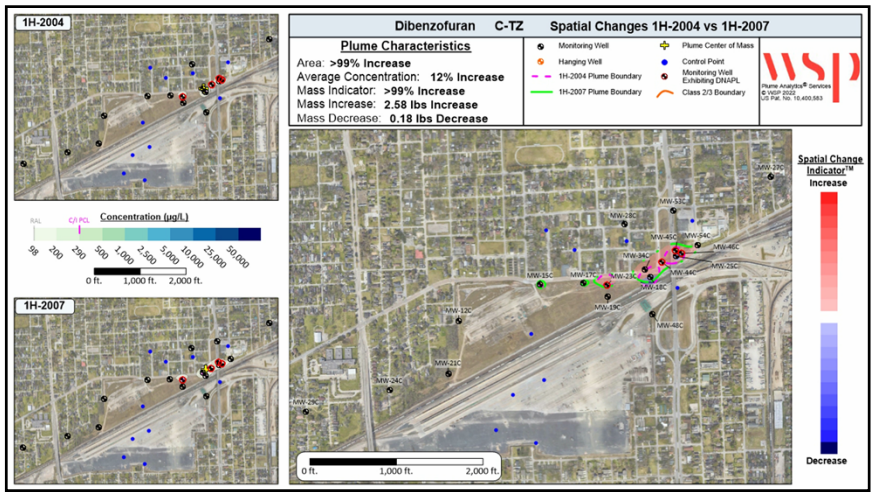
97


Dibenzofuran
C-TZ
Center of Mass Scale
2004
2022
1H-2004
2H-2022
0 ft. 125 ft. 250 ft.
0 ft. 500 ft. 1,000 ft.
Monitoring Well
Hanging Well
Center Of Mass Movement
Net Movement
Control Point
Wells exhibiting DNAPL

98


1H-2004
1H-2007
Concentration (µg/L)
0 ft. 1,000 ft. 2,000 ft.
Dibenzofuran C-TZ Spatial Changes 1H-2004 vs 1H-2007
Plume Characteristics
Area: >99% Increase
Average Concentration: 12% Increase
Mass Indicator: >99% Increase
Mass Increase: 2.58 lbs Increase
Mass Decrease: 0.18 lbs Decrease
Monitoring Well
Hanging Well
1H-2004 Plume Boundary
1H-2007 Plume Boundary
Plume Center of Mass
Control Point
Monitoring Well Exhibiting DNAPL
Class 2/3 Boundary
Spatial Change Indicator™
Increase
Decrease
0 ft. 1,000 ft. 2,000 ft.

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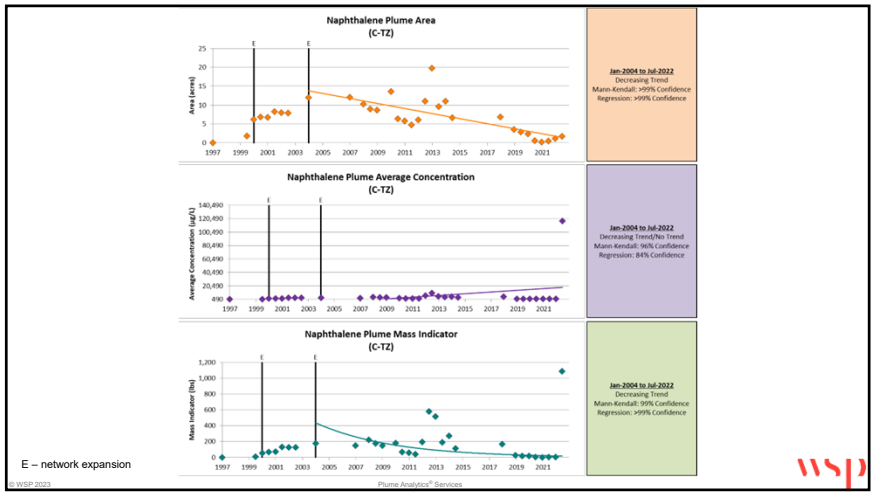
Naphthalene
C-TZ
1H-1997
Concentration (µg/L)
Plume Characteristics
Plume Area: 0.082 acres
Plume Average Concentration: 602 µg/L
Plume Mass Indicator: 0.27 lbs
Monitoring Well
Hanging Well
Concentration (µg/L)
Well Not Sampled (Assigned Value Shown)
Plume Center of Mass
Control Point
Wells exhibiting DNAPL
This slide contains a video in the Powerpoint presentation.
0 ft. 500 ft. 1,000 ft.

100



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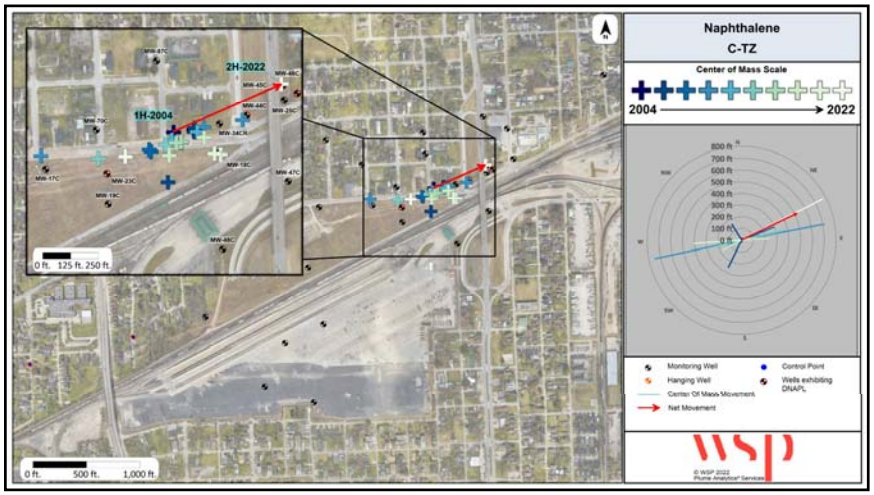
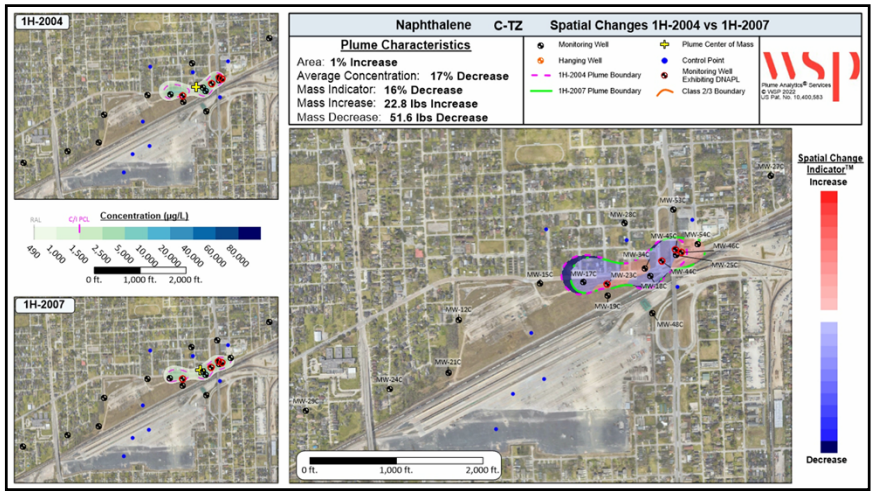


102



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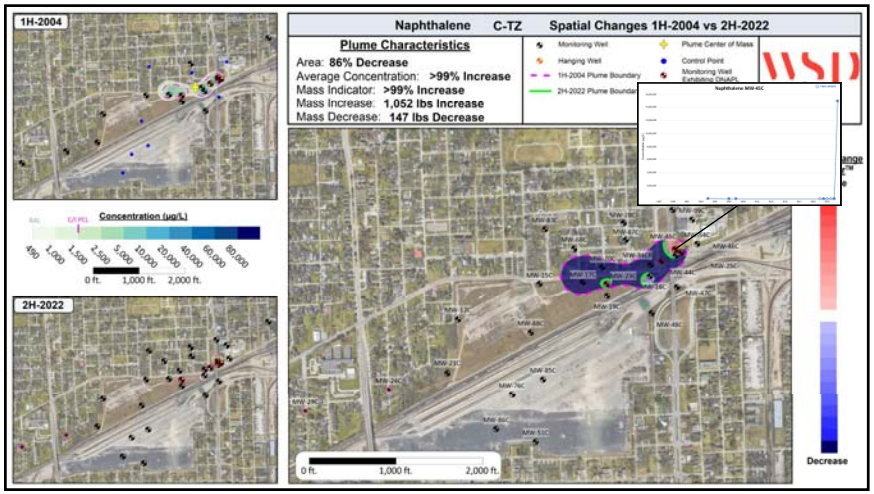

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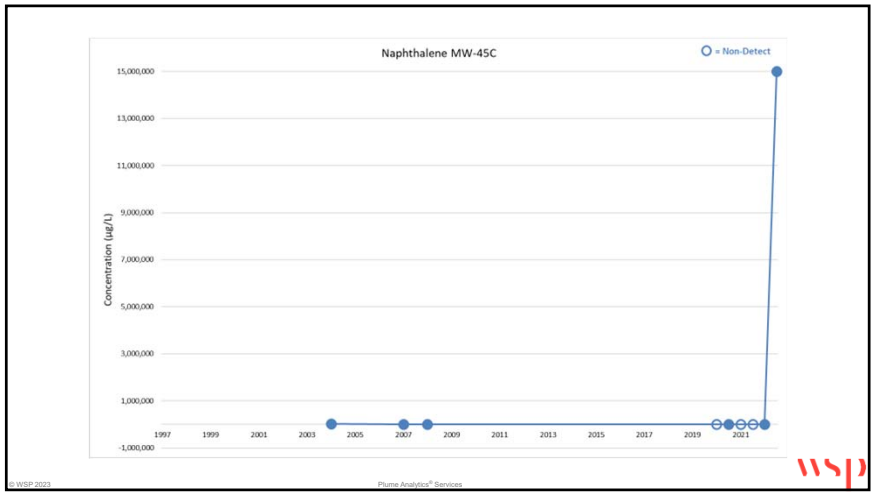

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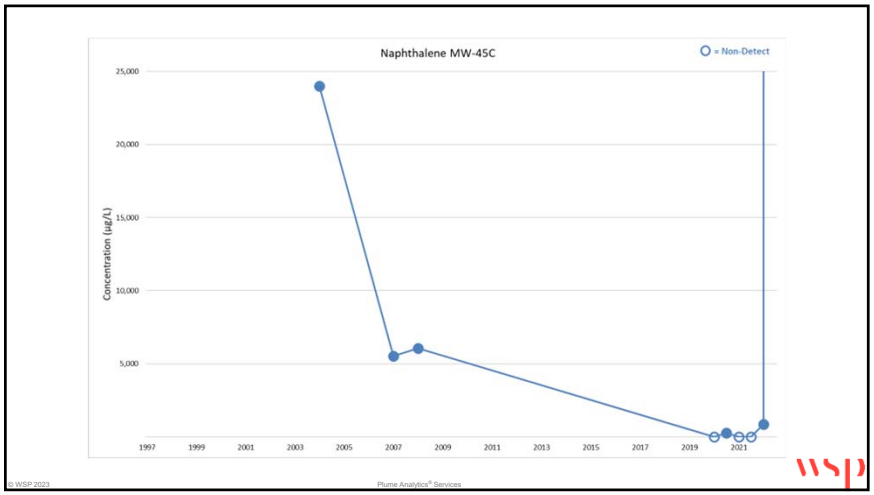

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Ricker Method® Spatial Change Indicator Metrics
Benzene - A-TZ

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	4% Increase	7% Increase	11% Increase	7.63 lbs	6.10 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	5% Increase	36% Decrease	29.2 lbs	108 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

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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

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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

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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	1% Decrease	16% Increase	15% Increase	30.4 lbs	21.5 lbs
2H-2022	0% Decrease	33% Increase	32% Increase	44.2 lbs	24.4 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	10% Decrease	68% Decrease	71% Decrease	129 lbs	1,477 lbs
2H-2022	9% Decrease	36% Decrease	41% Decrease	505 lbs	1,288 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	5% Increase	74% Increase	84% Increase	50.1 lbs	11.2 lbs
2H-2022	33% Increase	>99% Increase	>99% Increase	202 lbs	7.95 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	27% Increase	62% Increase	>99% Increase	21.7 lbs	4.06 lbs
2H-2022	61% Increase	>99% Increase	>99% Increase	96.6 lbs	2.10 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 lb	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% Decrease	23% Increase	19% Increase	428 lbs	250 lbs
2H-2022	1% Increase	28% Increase	29% Increase	500 lbs	219 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-2004			Base Date		
1H-2007	1% Increase	4% Increase	5% Increase	0.37 lbs	0.25 lbs
1H-2008	23% Decrease	6% Increase	19% Decrease	0.20 lbs	0.70 lbs
2H-2008	35% Decrease	3% Increase	33% Decrease	0.06 lbs	0.94 lbs
1H-2009	36% Decrease	10% Increase	29% Decrease	0.17 lbs	0.94 lbs
1H-2010	27% Decrease	5% Increase	24% Decrease	0.25 lbs	0.90 lbs
2H-2010	37% Decrease	4% Increase	34% Decrease	0.14 lbs	1.05 lbs
1H-2011	44% Decrease	0% Decrease	45% Decrease	0.07 lbs	1.25 lbs
2H-2011	46% Decrease	0% Increase	46% Decrease	0.13 lbs	1.33 lbs
1H-2012	27% Decrease	19% Decrease	41% Decrease	0.19 lbs	1.27 lbs
2H-2012	33% Decrease	13% Increase	24% Decrease	0.42 lbs	1.06 lbs
1H-2013	49% Decrease	50% Increase	24% Decrease	0.63 lbs	1.25 lbs
2H-2013	34% Decrease	20% Increase	21% Decrease	0.53 lbs	1.09 lbs
1H-2014	47% Decrease	51% Increase	21% Decrease	0.63 lbs	1.19 lbs
2H-2014	54% Decrease	8% Decrease	58% Decrease	0.05 lbs	1.58 lbs
1H-2018	45% Decrease	8% Decrease	50% Decrease	0.13 lbs	1.44 lbs
1H-2019	74% Decrease	37% Decrease	84% Decrease	0.00 lbs	2.21 lbs
2H-2019	78% Decrease	68% Increase	63% Decrease	0.02 lbs	1.69 lbs
1H-2020	69% Decrease	38% Increase	57% Decrease	0.03 lbs	1.55 lbs
2H-2020	68% Decrease	19% Increase	62% Decrease	0.00 lbs	1.65 lbs
1H-2021	71% Decrease	60% Increase	54% Decrease	0.10 lbs	1.52 lbs
2H-2021	76% Decrease	55% Increase	63% Decrease	0.02 lbs	1.69 lbs
1H-2022	80% Decrease	40% Increase	72% Decrease	0.00 lbs	1.90 lbs
2H-2022	75% Decrease	35% Increase	66% Decrease	0.00 lbs	1.73 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-2004			Base Date		
1H-2007	20% Increase	5% Increase	26% Increase	3.11 lbs	1.19 lbs
1H-2008	28% Increase	>99% Increase	>99% Increase	31.3 lbs	2.16 lbs
2H-2008	8% Increase	>99% Increase	>99% Increase	23.6 lbs	2.69 lbs
1H-2009	1% Decrease	>99% Increase	>99% Increase	17.7 lbs	2.79 lbs
1H-2010	21% Increase	13% Increase	36% Increase	6.91 lbs	4.24 lbs
2H-2010	27% Decrease	5% Increase	24% Decrease	2.92 lbs	4.68 lbs
1H-2011	45% Decrease	6% Decrease	49% Decrease	1.51 lbs	5.09 lbs
2H-2011	51% Decrease	9% Decrease	55% Decrease	1.39 lbs	5.46 lbs
1H-2012	29% Decrease	>99% Increase	>99% Increase	26.4 lbs	3.15 lbs
2H-2012	74% Increase	>99% Increase	>99% Increase	95.2 lbs	0.94 lbs
1H-2013	65% Increase	25% Increase	>99% Increase	8.80 lbs	0.93 lbs
2H-2013	27% Increase	39% Increase	76% Increase	6.55 lbs	0.99 lbs
1H-2014	56% Increase	83% Increase	>99% Increase	14.4 lbs	0.72 lbs
2H-2014	16% Decrease	>99% Increase	>99% Increase	13.2 lbs	3.62 lbs
1H-2018	22% Decrease	>99% Increase	75% Increase	10.2 lbs	4.69 lbs
1H-2019	65% Decrease	23% Increase	57% Decrease	1.66 lbs	5.84 lbs
2H-2019	74% Decrease	1% Decrease	74% Decrease	0.66 lbs	6.07 lbs
1H-2020	87% Decrease	19% Decrease	89% Decrease	0.23 lbs	6.79 lbs
2H-2020	97% Decrease	32% Decrease	98% Decrease	0.00 lbs	7.19 lbs
1H-2021	>99% Decrease	48% Decrease	>99% Decrease	0.00 lbs	7.33 lbs
2H-2021	98% Decrease	47% Decrease	>99% Decrease	0.00 lbs	7.29 lbs
1H-2022	98% Decrease	45% Decrease	99% Decrease	0.00 lbs	7.26 lbs
2H-2022	73% Decrease	>99% Increase	>99% Increase	292 lbs	5.52 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-2004			Base Date		
1H-2007	>99% Increase	12% Increase	>99% Increase	2.58 lbs	0.18 lbs
1H-2008	>99% Increase	>99% Increase	>99% Increase	25.7 lbs	0.27 lbs
2H-2008	>99% Increase	>99% Increase	>99% Increase	20.9 lbs	0.34 lbs
1H-2009	>99% Increase	>99% Increase	>99% Increase	16.2 lbs	0.49 lbs
1H-2010	93% Increase	93% Increase	>99% Increase	5.92 lbs	0.88 lbs
2H-2010	54% Increase	79% Increase	>99% Increase	4.14 lbs	0.89 lbs
1H-2011	19% Increase	61% Increase	92% Increase	2.62 lbs	0.94 lbs
2H-2011	7% Decrease	>99% Increase	97% Increase	3.03 lbs	1.22 lbs
1H-2012	26% Increase	>99% Increase	>99% Increase	12.3 lbs	0.86 lbs
2H-2012	>99% Increase	>99% Increase	>99% Increase	72.9 lbs	0.40 lbs
1H-2013	>99% Increase	50% Increase	>99% Increase	5.39 lbs	0.38 lbs
2H-2013	>99% Increase	46% Increase	>99% Increase	4.54 lbs	0.37 lbs
1H-2014	>99% Increase	>99% Increase	>99% Increase	11.3 lbs	0.73 lbs
2H-2014	47% Increase	>99% Increase	>99% Increase	14.8 lbs	0.83 lbs
1H-2018	22% Increase	>99% Increase	>99% Increase	7.25 lbs	1.06 lbs
1H-2019	43% Decrease	>99% Increase	63% Increase	2.51 lbs	1.34 lbs
2H-2019	47% Decrease	>99% Increase	7% Increase	1.44 lbs	1.31 lbs
1H-2020	73% Decrease	6% Increase	71% Decrease	0.25 lbs	1.56 lbs
2H-2020	>99% Decrease	36% Decrease	>99% Decrease	0.00 lbs	1.85 lbs
1H-2021	>99% Decrease	36% Decrease	>99% Decrease	0.00 lbs	1.85 lbs
2H-2021	>99% Decrease	36% Decrease	>99% Decrease	0.00 lbs	1.85 lbs
1H-2022	99% Decrease	24% Decrease	99% Decrease	0.00 lbs	1.84 lbs
2H-2022	92% Decrease	35% Increase	90% Decrease	0.08 lbs	1.74 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-2004			Base Date		
1H-2007	1% Increase	17% Decrease	16% Decrease	22.8 lbs	51.6 lbs
1H-2008	14% Decrease	46% Increase	25% Increase	111 lbs	66.9 lbs
2H-2008	25% Decrease	32% Increase	1% Decrease	74.1 lbs	75.8 lbs
1H-2009	28% Decrease	17% Increase	15% Decrease	59.1 lbs	86.1 lbs
1H-2010	14% Increase	10% Decrease	3% Increase	108 lbs	104 lbs
2H-2010	47% Decrease	28% Decrease	62% Decrease	7.00 lbs	117 lbs
1H-2011	51% Decrease	30% Decrease	66% Decrease	1.66 lbs	118 lbs
2H-2011	60% Decrease	42% Decrease	77% Decrease	1.93 lbs	138 lbs
1H-2012	49% Decrease	>99% Increase	11% Increase	126 lbs	107 lbs
2H-2012	8% Decrease	>99% Increase	>99% Increase	439 lbs	37.6 lbs
1H-2013	65% Increase	76% Increase	>99% Increase	372 lbs	36.5 lbs
2H-2013	20% Decrease	35% Increase	8% Increase	64.8 lbs	50.4 lbs
1H-2014	8% Decrease	65% Increase	52% Increase	130 lbs	37.7 lbs
2H-2014	44% Decrease	15% Increase	36% Decrease	42.6 lbs	106 lbs
1H-2018	43% Decrease	65% Increase	5% Decrease	85.7 lbs	95.2 lbs
1H-2019	70% Decrease	49% Decrease	85% Decrease	0.31 lbs	151 lbs
2H-2019	76% Decrease	54% Decrease	89% Decrease	0.00 lbs	157 lbs
1H-2020	80% Decrease	48% Decrease	89% Decrease	1.99 lbs	160 lbs
2H-2020	95% Decrease	56% Decrease	98% Decrease	0.00 lbs	173 lbs
1H-2021	98% Decrease	51% Decrease	99% Decrease	0.00 lbs	175 lbs
2H-2021	96% Decrease	50% Decrease	98% Decrease	0.00 lbs	173 lbs
1H-2022	90% Decrease	62% Decrease	96% Decrease	0.00 lbs	171 lbs
2H-2022	86% Decrease	>99% Increase	>99% Increase	1,052 lbs	147 lbs

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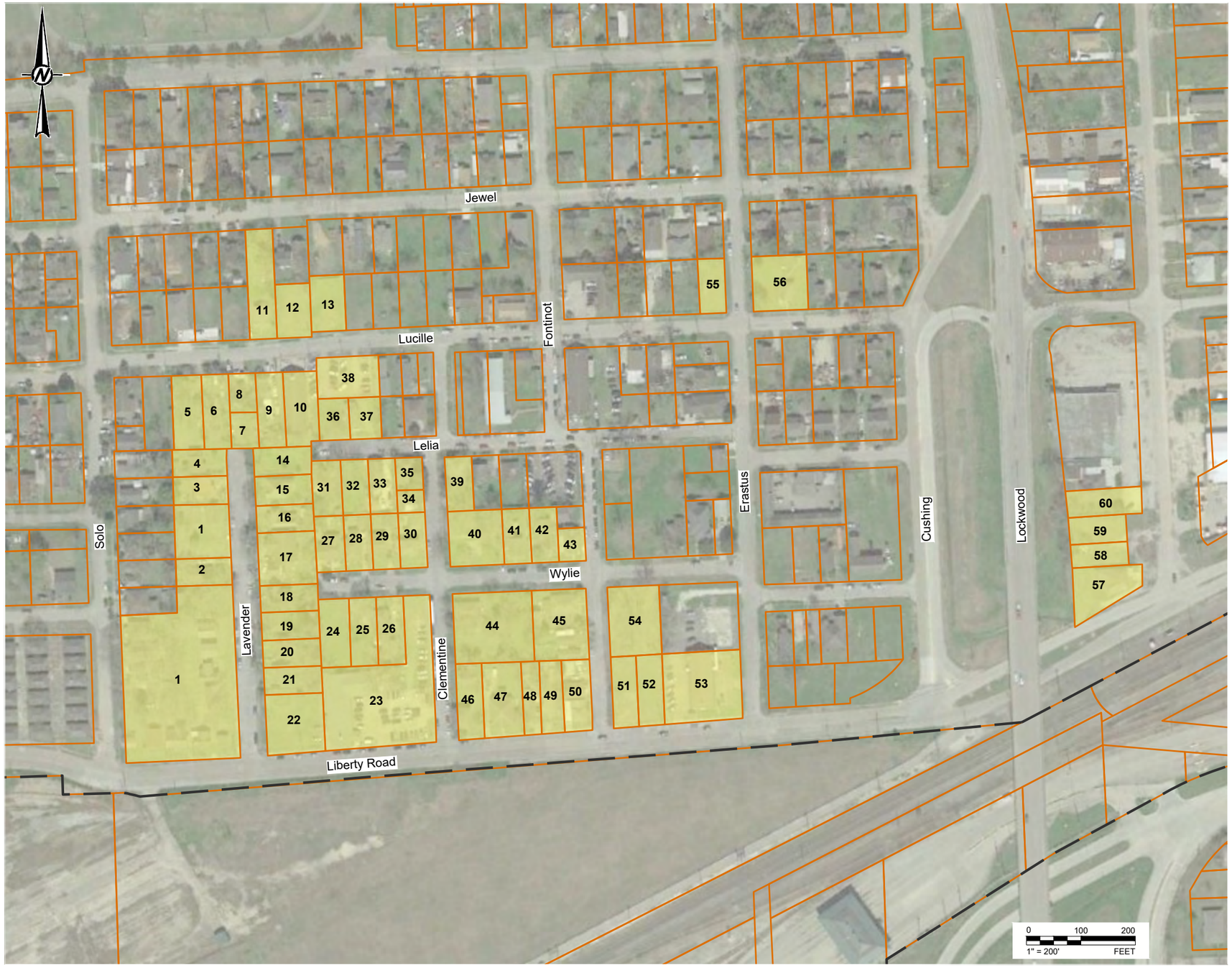
ATTACHMENT E

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	4910 LUCILLE ST	WHITEHEAD, SHIRLEY A
6	5002 LUCILLE ST	TOLEDANO, ARISTEO
7	2943 LAVENDER ST	APOGEE REAL ESTATE PARTNERS LLC
8	5004 LUCILLE ST	FUENTES MARIA I , FUENTES SAUL V
9	5006 LUCILLE ST	BARRIENTOS, EINE
10	5008 LUCILLE ST	NORTON MEMORIAL TEMPLE COGIC
11	5005 LUCILLE ST	BRYANT MICHAEL A, WHITE KAREN Y, WHITE DAVID A
12	5007 LUCILLE ST	NORTON MEMORIAL TEMPLE COGIC
13	5009 LUCILLE ST	NORTON MEMORIAL TEMPLE
14	2942 LAVENDER ST	HERNANDEZ, ROBERTO G
15	2938 LAVENDER ST	HUTCHINS, ESSIE LEE
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	CARRINGTON, RAY
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	0 LELIA ST	AYELE ADDISU F
37	5009 LELIA ST	CURRENT OWNER
38	5012 LUCILLE	NORTON'S TEMPLE CHURCH OF GON IN CHRIST INC
39	2918 CLEMENTINE ST	AZIMPOOR JAVAD
40	5107 WYLIE ST	POTTS, MARYLAND ESTATE
41	5107 WYLIE ST	TOLBERT, REGINALD & LETICIA
42	5111 WYLIE ST	PEREZ, AQUILINA ESTATE OF
43	5119 WYLIE ST	GILLIAM, MARTHA
44	2820 CLEMENTINE ST	CONSTRUMEX INMOBILIARIA LLC
45	2813 FONTINOT ST	COTO, JOSE A & REINA I, COTO CHRISTIAN A AND ROBIN H
46	5101 LIBERTY RD	LONGORIA, WALLACE R & JANIE
47	5105 LIBERTY RD	GONZALEZ, ALEJANDRO
48	5109 LIBERTY RD	MARTINEZ, JOE H
49	5113 LIBERTY RD	MEDINA, CLAUDIA ELIZABETH DELAPORTIL, LEAL, JORGE DANIEL RIVERA
50	5117 LIBERTY RD	RIVERA, JORGE D
51	5201 LIBERTY RD	FULL GOSPEL CHRISTIAN ASSN
52	5201 LIBERTY RD	FULL GOSPEL CHRISTIAN ASSN
53	2809 ERASTUS ST # 1	CHARITY BAPTIST CHURCH % REV F W MCILVEEN
54	5201 WYLIE ST	CHARITY BAPTIST CHURCH
55	3101 ERASTUS ST	VITAL, PERCY
56	5303 LUCILLE ST	GARCIA, CARLOTTA C
57	3300 E LOCKWOOD DR	DAMIAN, ROBERT
58	3300 E LOCKWOOD DR	DAMIAN, ROBERT
59	3300 E LOCKWOOD DR	DAMIAN, ROBERT
60	3319 E LOCKWOOD DR #1	FLAKE, KATHERINE & ANDREW



REFERENCE(S)
AERIAL PHOTO FROM GOOGLE EARTH, IMAGERY DATED 2/23/19, AND PROPERTY INFORMATION FROM HARRIS COUNTY APPRAISAL DISTRICT (HCAD), 2018.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

CONSULTANT
wsp

YYYY-MM-DD	2023-06-06
DESIGNED	AJD
PREPARED	AJD
REVIEWED	MH
APPROVED	ECM

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

1 in

0

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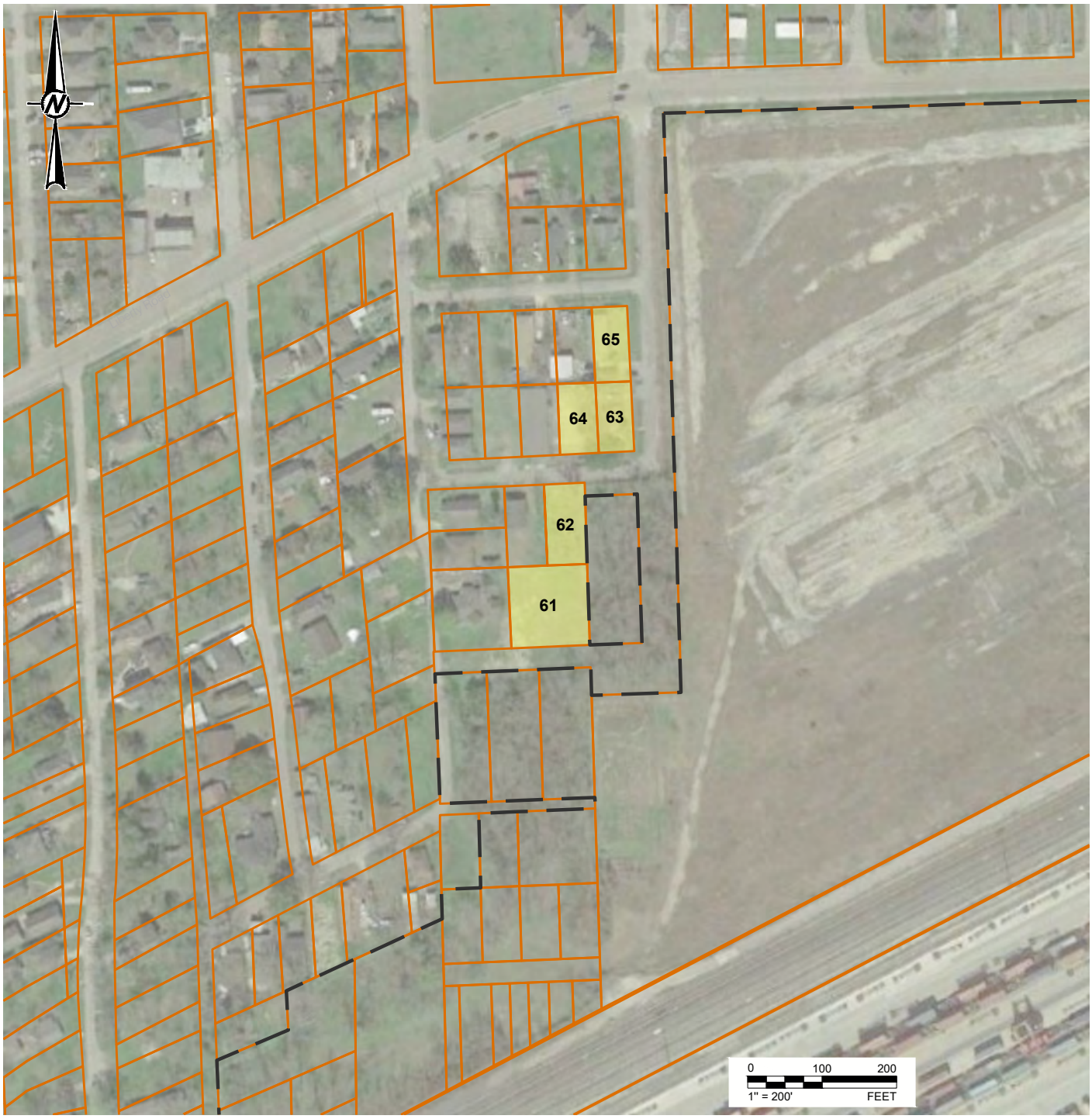

MAP ID	PARCEL ADDRESS	PARCEL OWNER
61	0 RANCH ST	PRINCE, JAMES A
62	4508 EDDIE ST	DELCAMPO, RAFAEL
63	2803 KASHMERE ST	WHITEHEAD, SHIRLEY A
64	4511 EDDIE ST	GREATER MOUNT NEBO BAPTIST CHURCH
65	4518 COURTNEY ST	ROSIGNON ANTHONY TYRONE

REFERENCE(S)

AERIAL PHOTO FROM GOOGLE EARTH, IMAGERY DATED 2/23/19, AND PROPERTY INFORMATION FROM HARRIS COUNTY APPRAISAL DISTRICT (HCAD), 2018.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
OFF-SITE NOTIFICATION PROPERTIES

CONSULTANT

wsp

YYYY-MM-DD	2023-06-06
DESIGNED	AJD
PREPARED	AJD
REVIEWED	MH
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

0 1 in

Last Edited By: adiamond Date: 2023-06-06 Time:5:23:23 PM | Printed By: adiamond Date: 2023-06-06 Time:5:42:10 PM
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